

The Decision Sciences Institute

2015 Annual Meeting Program

Decision Sciences in the 21st Century:
Theoretical Impact and Practical Relevance



DECISION SCIENCES INSTITUTE

Seattle, Washington
46th Annual Meeting
November 21 – 24, 2015

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Welcome to the **2015 Annual Meeting of the Decision Sciences Institute** in Seattle, Washington.

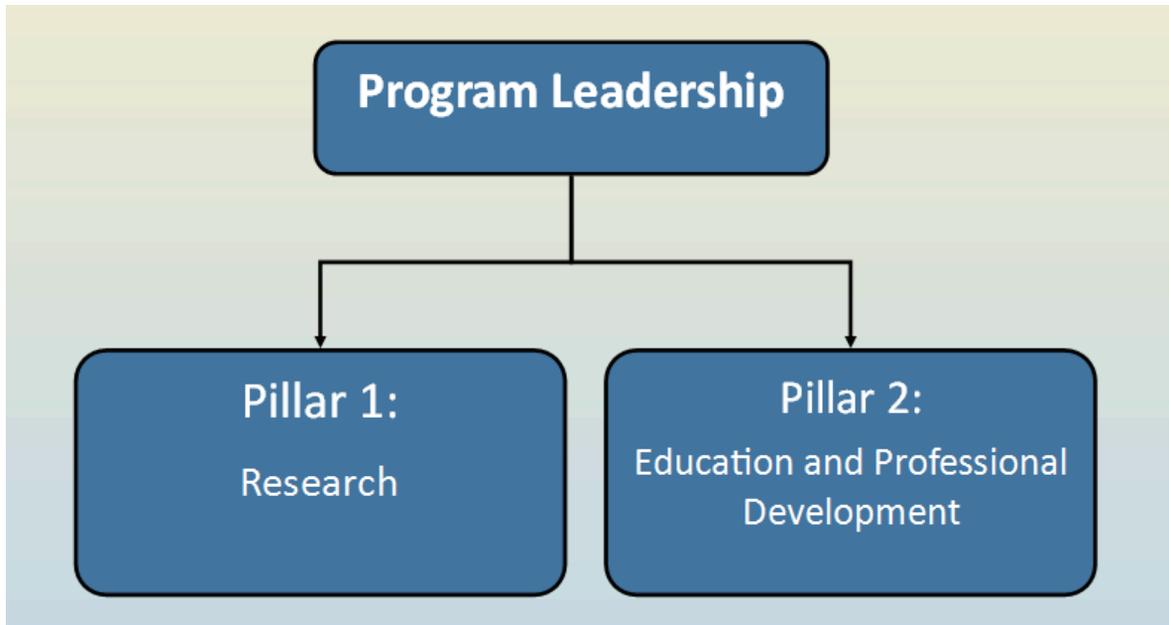
The Program Team for this year has worked diligently to ensure that the conference theme, **Decision Sciences in the 21st Century: Theoretical Impact and Practical Relevance**, is appropriately embodied in the 320+ sessions for the 800+ submissions of abstracts, full papers, panels, and workshops that have been received. The Home Office has engaged with the Seattle Sheraton Hotel to ensure that the annual meeting meets our expectations for rooms and meals.

In the sections to follow, some exciting events are highlighted. We are confident that you will find many of these sessions to not only be opportunities for thought-provoking conversations and reflections but also channels to learn new topical knowledge to share with students, new research methods to deploy in your scientific inquiries, or new pedagogical approaches to help students learn better.

A promotional poster for the 2015 Annual Meeting of the Decision Sciences Institute in Seattle. The background is a gradient of light blue and yellow, with a central image of the Space Needle tower. The text is arranged as follows:
SEATTLE!
2015 Annual Meeting of the Decision Sciences Institute
Decision Sciences Theoretical Impact in the 21st Century: and Practical Relevance
November 21st - 24th
Program Co-Chair: Shawnee K. Vickery Michigan State University
Program Co-Chair: Natasa Christodoulidou California State University, Dominguez Hills

The 2015 Annual Meeting of the Decision Sciences Institute adopted an efficient Program Team structure to create the organization chart shown below. This Program Team structure created opportunities for individuals globally and across functions to participate in making the 2015 Annual Meeting of the Decision Sciences Institute a success. We are grateful to the dedicated individuals below for their time and contributions.

Organization Chart



Program Committee Leadership		
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Responsibility	Name	Affiliation
Co-Program Chair	Shawnee Vickery	Michigan State University (USA)
Co-Program Chair	Natasia Christodoulidou	California State University, Dominguez Hills (USA)
Proceedings Coordinator	Alan Mackelprang	Georgia Southern University
Annual Meeting Webmaster & CMS Manager	Stephen Ostrom	Arizona State University (USA)
2015 DSI Annual Meeting Regional Contacts: Asia	Honghui Deng	University of Nevada Las Vegas (USA)
2015 DSI Annual Meeting Regional Contacts: Europe	Constantin Blome	University of Sussex (UK)

Research Tracks and Track Chairs

Responsibility	Name	Affiliation
Accounting	Sheldon Smith	Utah Valley University (USA)
Consumer Behavior	Berna Devezer	University of Idaho (USA)
Data Analytics	Sriram Narayanan	Michigan State University (USA)
Decision Models in Finance	Mark Schroder	Michigan State University (USA)
Decision Models in Logistics	Hakan Yildiz	Michigan State University (USA)
Decision Models in Operations & Manufacturing	Srinivas Talluri	Michigan State University (USA)
Decision Models in Procurement	W.C. Benton	The Ohio State University (USA)
	Sean Handley	University of Notre Dame (USA)
Distribution, Order Fulfillment, & Logistics Service Performance	Dianne Mollenkopf	University of Tennessee, Knoxville (USA)
	Stephan M. Wagner	Swiss Federal Institute of Technology (Switzerland)
Emerging Information Technologies	Pankaj Setia	University of Arkansas (USA)
Entrepreneurship	Tayyeb Shabbir	California State University, Dominguez Hills (USA)
Ethics	Dara G. Schniederjans	University of Rhode Island (USA)
Global Supply Chain Management	John Bell	University of Tennessee, Knoxville (USA)
	Lisa M. Ellram	Babson College (USA)
	Wendy Tate	University of Tennessee, Knoxville (USA)
Healthcare Management	Neset Hikmet	University of South Carolina (USA)
	Anand Nair	Michigan State University (USA)

Research Tracks and Track Chairs (Continued)

Responsibility	Name	Affiliation
Hospitality Management and Marketing	Orie Berezan	California State University, Dominguez Hills (USA)
	Carola Raab	University of Nevada, Las Vegas (USA)
Human Resources	Alexis Saveriades	Cyprus University Of Technology (Cyprus)
Information Privacy and Security Risks	Ravi Behara	Florida Atlantic University (USA)
	Derrick Huang	Florida Atlantic University (USA)
Information Systems Strategy and Design	Nancy Deng	California State University, Dominguez Hills (USA)
	Ozgur Turetken	Ryerson University (Canada)
International Business and Marketing	Ahmet Kirca	Michigan State University (USA)
Investment and International Finance	Khaled Abdou	Penn State University (USA)
Lean, Quality & Six Sigma	Kevin Linderman	University of Minnesota (USA)
Marketing Strategy	Cary Countryman	Brigham Young University, Hawaii (USA)
	Meng Zhao	California State University, Dominguez Hills (USA)
New Product Development & Introduction	Debasish N. Mallick	University of St.Thomas (USA)
	David Peng	University of Houston (USA)
Operations Strategy	Barbara Flynn	Indiana University (USA)
Optimization Models in Decision Making	Eva Lee	Georgia Institute of Technology (USA)
Organizational Behavior	Donald Conlon	Michigan State University (USA)
Project Management	Gary Klien	University of Colorado, Colorado Springs (USA)

Research Tracks and Track Chairs (Continued)

Responsibility	Name	Affiliation
Public Policy	Theodore Byrne	California State University, Dominquez Hills (USA)
	Marie Palladini	California State University, Dominquez Hills (USA)
Service Design and Delivery	Kirk Karwan	Furman University (USA)
	Jeffery Smith	Florida State University (USA)
Social Media and Internet Marketing	Chen Lin	Michigan State University (USA)
Sourcing Decisions and Relationships	Thomas Kull	Arizona State University (USA)
Strategic Management	Sanjay Nadkharni	Emirates Academy Dubai (United Arab Emirates)
	Xia Zhao	California State University, Dominquez Hills (USA)
Strategic Sourcing & Supply Networks	Jan Olhager	Lund University, Sweden (Sweden)
Supply Chain Design & Integration	Jennifer Blackhurst	Iowa State University (USA)
Supply Chain Flexibility, Agility, and Resilience	Alan Mackelprang	Georgia Southern University (USA)
	Manoj Malhotra	University of South Carolina (USA)
Supply Chain Strategy and Networks	Thomas Goldsby	The Ohio State University (USA)
	Shashank Rao	Auburn University (USA)
Sustainability in Product & Process Design	Laura Forker	University of Massachusetts, Dartmouth (USA)
	Tobias Schoenherr	Michigan State University (USA)

Education Tracks and Track Chairs

Responsibility	Name	Affiliation
Assessment of Curriculum (AACSB)	Daniel Connolly	University of Denver (USA)
	Reza Torkzadeh	University of Nevada, Las Vegas (USA)
Developing & Delivering Curriculum	Albert Huang	University of the Pacific (USA)
	Kim McNutt	California State University, Dominguez Hills (USA)
Teaching Students On-line	Kaye Bragg	California State University, Dominguez Hills
Technology Related Innovations in Pedagogy	Ardavan Asef-Vaziri	California State University, Northridge (USA)
	Melissa St. James	California State University, Dominguez Hills (USA)

Consortium & Coordinators

Responsibility	Name	Affiliation
PhD Students Consortium Post-Proposal Defense Stage	G Keong Leong	California State University, Dominguez Hills (USA)
	Marcus Rothenberger	University of Nevada Las Vegas (USA)
	John Olson	University of St.Thomas (USA)
PhD Students Consortium Post-Proposal Defense Stage	Scott Swenseth	University of Nebraska (USA)
New Faculty Development Consortium	Constantin Blome	University of Sussex (UK)
	Rohit Verma	Cornell University (USA)
2015 Mid-Career Faculty Development Consortium	Gyula Vastag	National University of Public Service Hungary (Hungary)
	Amit Eynan	University of Richmond

Consortium & Coordinators (Continued)

Responsibility	Name	Affiliation
Making Statistics More Effective in Schools of Business Consortia	Robert L. Andrews	Virginia Commonwealth University
	Kellie Keeling	University of Denver
Project Management Institute Consortium	Gary Klein	University of Colorado, Colorado Springs (USA)
	Jayant Saraph	Metropolitan State University (USA)
	Susan Misterek	Metropolitan State University (USA)

Competitions & Coordinators

Responsibility	Name	Affiliation
Best Paper Awards Competition	Soumen Ghosh	Georgia Institute of Technology (USA)
Instructional Innovation Award	Mahyar Amouzegar	California State Polytechnic University, Pomona (USA)
Best Lean Enterprise Paper Awards Competition	Rita D' Angelo	D' Angelo Advantage LLC (USA)
	Sriram Narayanan	Michigan State University (USA)
Best Teaching Case Studies Awards	Tanja Mihalic	University of Ljubljana (Slovenia)
	Burhan Yavas	California State University, Dominguez Hills
Elwood S. Buffa Doctoral Dissertation Award	Anthony Ross	University of Wisconsin, Milwaukee

Workshops & Leaders

Responsibility	Name	Affiliation
How to Publish in Top Tier Journals	Ram Narasimhan	Michigan State University (USA)
How to Review to Become Editor of a Journal	Johnny Rungtusanatham	The Ohio State University (USA)
Publishing in DSJ	Nalian Suresh	University at Buffalo The State University of New York (USA)
Publishing in DSJIE	Vijay Kannan	Utah State University (USA)
Meet the Editors of DSI Publications	Thomas Stafford	Memphis State University (USA)
Meet the Editors of Non-DSI Journals	Dan Guide, Journal of Operations Management	Pennsylvania State University (USA)



2015-2016 DSI Board of Directors

Executive Committee

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Morgan Swink
Texas Christian University

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Funda Sahin
University of Houston

Immediate Past-President
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University of Nebraska-Lincoln

VP - Finance (Treasurer)
Janelle Heineke
Boston University

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Jennifer Blackhurst
University of Iowa

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Hofstra University

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Hope Baker
Kennesaw State University

VP - Professional Development

Ina Markham
James Madison University

VP - Publications

Anand Nair
Michigan State University

VP - Technology

John McQuaid
Pepperdine University

Interim Executive Director

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The Ohio State University

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Robert Pavur
University of North Texas

VP - Asia-Pacific Division

Bhimaraya A Metri
International Management Institute

VP - European Division

Constantine Blome
University of Suffex (UK)

Year	Name
2014 - 2015	Marc Schniederjans
2013 - 2014	Maling Ebrahimpour
2012 - 2013	E. Powell Robinson, Jr.
2011 - 2012	Krishna S. Dhir
2010 - 2011	G. Keong Leong
2009 - 2010	Ram Narasimhan
2008 - 2009	Norma J. Harrison
2007 - 2008	Kenneth E. Kendall
2006 - 2007	Mark M. Davis
2005 - 2006	Thomas E. Callarman
2004 - 2005	Gary L. Ragatz
2003 - 2004	Barbara B. Flynn
2002 - 2003	Thomas W. Jones
2001 - 2002	F. Robert Jacobs
2000 - 2001	Michael J. Showalter
1999 - 2000	Lee J. Krajewski
1998 - 1999	Terry R. Rakes
1997 - 1998	James R. Evans
1996 - 1997	Betty J. Whitten
1995 - 1996	John C. Anderson
1994 - 1995	K. Roscoe Davis
1993 - 1994	Larry P. Ritzman
1992 - 1993	William C. Perkins
1991 - 1992	Robert E. Markland
1990 - 1991	Ronald J. Ebert
1989 - 1990	Bernard W. Taylor, III
1988 - 1989	William L. Berry
1987 - 1988	James M. Clapper
1986 - 1987	William R. Darden*
1985 - 1986	Harvey J. Brightman
1984 - 1985	Sang M. Lee
1983 - 1984	Laurence J. Moore
1982 - 1983	Linda G. Sprague
1981 - 1982	Norman L. Chervany
1979 - 1981	D. Clay Whybark
1978 - 1979	John Neter
1977 - 1978	Charles P. Bonini
1976 - 1977	Lawrence L. Schkade
1975 - 1976	Kenneth P. Uhl*
1974 - 1975	Albert J. Simone
1973 - 1974	Gene K. Groff
1972 - 1973	Rodger D. Collons
1971 - 1972	George W. Summers*
1969 - 1971	Dennis E. Grawoig*

Keynote 1

New Frontiers for Improving Campus' Student Success: Harnessing the Power of a Structural Equation Modeling (SEM) Approach

Sunday, November 22, 2015
10:30am to 12:00pm
Seattle Sheraton Hotel, Aspen



Dr. Ellen Junn
Provost and Vice President for Academic Affairs
(California State University, Dominguez Hills)



Dr. George A. Marcoulides
Professor of Research Methodology
(University of California, Santa Barbara)

Recently, national attention is focused on universities demonstrating stronger accountability for student success. At California State University, Dominguez Hills, a campus model of student retention and graduation rates is being developed using structural equation modeling (SEM) methodology. SEM is a very popular data analytic strategy and is well suited for studying such complex institutional processes. The methodology can provide a wealth of information about the impact of different predictor variables (both observed and latent) and their relations to various considered outcome variables. This joint keynote address will provide information on this new campus methodology and share some preliminary results

Dr. Ellen Junn is the Provost and Vice President of Academic Affairs at California State University, Dominguez Hills. As the chief academic officer, she provides leadership to strive for high quality in teaching, scholarship, creative activities and service for faculty and academic programs. In that role, she is a key stakeholder and leader in working with the Academic Senate in creating and implementing university academic goals, educational policy, curriculum planning and development, program review, and faculty support. In addition, she is responsible for Academic Affairs funding and resource allocation, personnel actions pertaining to faculty and academic staff. She oversees 68 degree programs (45 undergrad, 22 graduate) with almost 15,000 students, 87% of whom are minority students, and 59% from economically disadvantaged households,

Keynote 1 (Continued)

who aspire to obtain their degrees and return to give back to their communities, as well as oversees 860 faculty and over 200 staff and administrators. As Provost, she facilitates and leads university and Academic Affairs strategic planning, budget and resource planning, enrollment management, faculty and student success, and support for curricular and program distinction.

She has 31 years of experience in higher education, with 29 years within the CSU. Her many past accomplishments have included: creating new undergraduate research initiatives, drafting university and academic strategic plans, creating institutional diversity plans, expanding research and scholarly support for faculty and undergraduates, establishing funds for departmental and faculty innovation to improve student success and graduation rates, supporting and spearheading internationalization efforts including Fulbright-Hayes grants, implementing new technology and teaching initiatives to improve student learning, founding a comprehensive faculty development center, and bringing in \$3.18M in Title V Hispanic Serving Institution undergraduate success funds.

Dr. Junn's research interests and publications include college teaching effectiveness, faculty development, educational equity and diversity issues, and early childhood education and advocacy. She has authored or co-authored over 30 peer-reviewed publications, and is co-editor of *Child Growth and Development*, an annualized reader by McGraw-Hill now in its 23rd edition. While at Fullerton, **Dr. Junn** received the Robert and Louise Lee Collaborative Teaching Award, the Jewel Plummer Cobb Diversity in Education Award, the Distinguished Educational Equity Faculty Mentor Award, the Affirming Diversity Award, and was invited by President George W. Bush to the White House Summit on Early Cognitive Development in July 2001. In 2013, she received the Chancellor Chang-Lin Tien Education Leadership Award from the Asian Pacific Fund.

Dr. George A. Marcoulides is Professor of Research Methodology in the Department of Education. He was previously a Professor of Research Methods & Statistics at the University of California, Riverside and a Professor of Statistics in the Department of Information Systems and Decision Sciences at California State University, Fullerton (CSUF). He has also been a visiting professor at the University of California-Los Angeles, the University of California-Irvine, the University of Geneva, and the University of London. He has served as a consultant to numerous educational authorities, government agencies, companies in the United States and abroad, and to various national and multi-national corporations. He has co-authored or co-edited 15 books and edited volumes, published over 200 articles in scholarly journals and books, and presented numerous times at national and international conferences. His contributions have received Best Paper Awards from the Academy of Management, the Decision Sciences Institute, and the American Educational Research Association – University Council for Educational Administration. He is a Fellow of the American Educational Research Association, a Fellow of the Royal Statistical Society, and a member of the Society of Multivariate Experimental Psychology. He is currently Editor of the journals *Structural Equation Modeling* and *Educational and Psychological Measurements*, Editor of the *Quantitative Methodology Book Series*, and on the editorial board of numerous other scholarly journals.

Keynote 2

Game Changing Technology: How One Company is Helping Hotel Owners Make More Profitable Decisions

Sunday, November 22, 2015

12:00 to 1:30pm

Seattle Sheraton Hotel, Grand Ballroom



Marco Benvenuti

Chief Analytics & Product Officer and Co-Founder at Duetto



Marco Benvenuti will demonstrate the revenue strategy application that makes it easy for hoteliers to match the right price with the right guest to maximize profits one transaction at a time. He'll then take attendees beyond the easy-to-use interface and explain the complex data science and math powering the pricing engine that is changing the hotel industry.

Marco Benvenuti is Chief Analytics & Product Officer and Co-Founder at Duetto, where he directs product vision, direction and implementation. Marco was formerly Executive Director at Wynn and Encore where he founded and managed the Enterprise Strategy Group, in which he led revenue management, data analytics, direct marketing and online channels. Prior to Wynn, Marco worked for Caesars Entertainment, Expedia and Four Seasons. Marco has patented two unique inventions: the Pricing Engine for one-to-one dynamic pricing and the Enterprise Value Algorithm for calculating the value of every customer. He holds an MMH from Cornell University, where he currently serves on the Board of the Center for Hospitality Research, and a Bachelor in Hotel Administration from UNLV. Marco is an avid college basketball fan and his favorite team is of course the UNLV Runnin' Rebels.

Keynote 3

Concurrent Production: Producing in Synch with Real Demand

Monday, November 24, 2014

10:30 to 12:00pm

Seattle Sheraton Hotel, Aspen



Dr. Anthony Joseph, MD
Chief Strategic Officer, The Healthcare
Colloquium, A Battelle Company

The reach of lean-inclined manufacturers tends to fall well short of final customers, with factories equipped without adherence to lean's concurrent-production ideal. Needed are multiple production units (cells, lines) to produce multiple orders/SKUs simultaneously in close synch with customer demand. This shrinks lead times and inventories, averts backorders, and avoids operating at excessive rates in efforts to get products out the door expeditiously. The key result, tightened links to customers, raises lean's profile from operational efficiency to competitive effectiveness. This presentation, though mainly on manufacturing, also blends in services—which, owed to customer nearness, tend more naturally to provide multiple serving resources for concurrent operations.

Richard J. Schonberger has been a practicing industrial engineer; professor, University of Nebraska; and affiliate professor, University of Washington. His 15 books include: *Japanese Manufacturing Techniques* (1982); *World Class Manufacturing* (1986); *Let's Fix It!* (2001, recipient of Shingo Prize for research); and *Best Practices in Lean Six Sigma Process Improvement* (Wiley, 2008). He is author of some 180 academic/practitioner articles on JIT/lean, quality, and related topics.

Richard's honors include: 1996 Puget Sound Engineer of the Year; 1995 Academy of the Shingo Prize; British Institution of Production Engineers' 1990 International Award in Manufacturing Management; and Institute of Industrial Engineers' 1988 Production and Inventory Control Award. He is on the editorial boards of several business/academic journals, and currently is director of the "Global Leanness Studies" and the "World Class by Principles" international benchmarking project.

For the 2015 DSI Annual Meeting, finalists for the *Elwood S. Buffa Doctoral Dissertation Award*, the *Best Teaching Cases Studies Award*, and the *Instructional Innovation Award* will be announced at the President's Gala Reception and Closing Banquet. The Elwood S. Buffa Doctoral Dissertation Award will have a live competition between the finalists.

Date, Time, & Place	LIVE Competitions & Finalists
<p>Monday November 23 5:30pm – 9:00 pm</p> <p>Seattle Sheraton Hotel, Grand Ballroom</p>	<p>Instructional Innovation Award Winner <i>Announcement at the President's Gala Reception and Closing Banquet</i></p> <ul style="list-style-type: none"> <i>Pseudo-Live Cases: Experiential Learning in Services Sourcing</i> Janet L. Hartley (Bowling Green State University) Karen Eboch (Bowling Green State University)
<p>Monday November 23 5:30pm – 9:00 pm</p> <p>Seattle Sheraton Hotel, Grand Ballroom</p>	<p>Best Teaching Cases Studies Award Winner <i>Announcement at the President's Gala Reception and Closing Banquet</i></p> <ul style="list-style-type: none"> <i>Din Tai Fung: Xiao Long Bao</i> H. Brian Hwarng (National University of Singapore) Xuchuan Yuan (Harbin Institute of Technology)
<p>Monday November 22 3:30pm – 5:00pm</p> <p>3rd Floor Ravenna A</p>	<p>Elwood S. Buffa Doctoral Dissertation Live Award Competition Sponsored by Hercher Publishing</p> <p>Judges: Michael Gorman (University of Dayton) Vaidy Jayaraman (University of Miami) Julie Kendall (Rutgers University) Jason Thatcher (Clemson University)</p> <ul style="list-style-type: none"> Combining Conformance Quality and Experiential Quality in the Delivery of Health Care Claire Senot (Tulane University) Decision Support Systems in Electronic Markets: Linguistic Aspects and System Robustness Michael Siering (Goethe University of Frankfurt) Selecting the Best Supply Chain Strategy William Ellegood (Sam Houston State University) Three Essays on Consumer Product Returns Guangzhi Shang (Florida State University)

Instructional Innovation Award

Coordinator



Mahyar Amouzegar
California State Polytechnic University, Pomona

Purpose

This competition identifies and recognizes outstanding pedagogical innovations in the classroom. New, different, and effective ways to illustrate key concepts are often what make for a memorable and enhanced learning experience.

To be eligible for consideration, a submission must meet the following criteria:

1. The submission must outline an original teaching innovation that has been used successfully in a class to highlight or clarify a key course concept. The submission should describe the teaching innovation in a way that interested readers will have sufficient information to replicate the innovation in their own classes.
2. The submission must not have been published in a peer-reviewed journal at the time of submission.
3. Finalists must register for and attend the **2015 Annual Meeting of the Decision Sciences Institute** in order to be eligible to win.

Date, Time, & Place	LIVE Competition & Finalists
Monday November 23 5:30am – 9:00pm Grand Ballroom	<p><i>Instructional Innovation Award Winner</i></p> <p>Award Presented at the President's Gala Reception and Closing Banquet</p> <ul style="list-style-type: none"> • <i>Pseudo-Live Cases: Experiential Learning in Services Sourcing</i> Janet L. Hartley (Bowling Green State University) Karen Eboch (Bowling Green State University)

Best Teaching Case Studies Awards

Co-Coordinator



Tanja Mihalic
 University of Ljubljana



Burhan Yavas
 California State University,
 Dominguez Hills

Purpose

This competition identifies and recognizes outstanding teaching case studies related to all DSI disciplines. All case authors are invited to submit their new and innovative cases to the competition

To be eligible for consideration, a submission must meet the following criteria:

1. The case cannot have won the DSI Best Teaching Case Studies Award at a previous meeting.
2. The case must have been written in the past five years (since 2009) and must **not** have been formally accepted in print or through a Case Clearing House (e.g., Darden, Ivey, etc.).
3. Finalists must register for and attend the **2015 Annual Meeting of the Decision Sciences Institute** in order to be eligible to win.

Date, Time, & Place	LIVE Competition & Finalists
Monday November 23 5:30pm – 9:00pm	<i>Best Teaching Cases Studies Award Winner</i> Award Presented at the President's Gala Reception and Closing Banquet
Grand Ballroom	<i>Din Tai Fung: Xiao Long Bao</i> H. Brian Hwang (National University of Singapore)

Elwood S. Buffa Doctoral Dissertation Award

Sunday, November 22, 2015
3:30pm – 5:00pm
3rd Floor, Ravenna A

HERCHER

Hercher Publishing

Coordinator



Anthony Ross
University of Wisconsin-Milwaukee

Purpose

This competition identifies and recognizes outstanding doctoral dissertation research, completed in the calendar year 2013, in the development of theory for the decision sciences, the development of methodology for the decision sciences, and/or the application of theory or methodology in the decision sciences.

To be eligible for consideration, a submission must meet the following criteria:

1. The doctoral dissertation has to have been accepted by the degree-granting institution within the 2013 calendar year (i.e., between January 1, 2013, and December 31, 2013). That is, the student must have met the requirements of graduation with a Ph.D. or DBA in the time period specified.
2. Finalists must register for and attend the **2015 Annual Meeting of the Decision Sciences Institute** in order to be eligible to win.

Elwood S. Buffa Doctoral Dissertation Award (Continued)

Date, Time, & Place	LIVE Competition & Finalists
<p>Sunday November 22 3:30pm – 5:00pm 3rd Floor Ravenna A</p>	<p><i>Elwood S. Buffa Doctoral Dissertation Live Award Competition</i> Sponsored by Hersher Publishing</p> <p>Judges: Michael Gorman (University of Dayton) Vaidy Jayaraman (University of Miami) Julie Kendall (Rutgers University) Jason Thatcher (Clemson University)</p> <ul style="list-style-type: none"> • Combining Conformance Quality and Experiential Quality in the Delivery of Health Care Claire Senot (Tulane University) • Decision Support Systems in Electronic Markets: Linguistic Aspects and System Robustness Michael Siering (Goethe University of Frankfurt) • Selecting the Best Supply Chain Strategy William Ellegood (Sam Houston State University) • Three Essays on Consumer Product Returns Guangzhi Shang (Florida State University)

At the annual meeting each year, a number of full paper submissions are recognized as *best papers*. For the 2015 DSI Annual Meeting, we received generous sponsorships to allow us to modify traditional best paper award categories and introduce new ones.

To be eligible for a best paper award, full paper submissions [1] must be complete, not just partially complete, at their time of submission, [2] must have been positively and unanimously reviewed by reviewers for the annual meeting, [3] consistently recommended by the Associate Program Chairs for the pillar in which the full paper entry was initially submitted, and [4] selected by a panel of judges.

The coordinators for the 2015 Best Papers Awards Competition and the 2015 Best Lean Enterprise Paper Awards Competition, Professors Soumen Ghosh (Georgia Institute of Technology), Rita D'Angelo (D'Angelo Advantage LLC), and Sriram Narayanan (Michigan State University) evaluated 28 full paper submissions and identified the Best Papers of the 2015 Best Paper Awards Competition, and the Best Lean Enterprise Paper Award Competition.

Best Lean Enterprise Paper Award Competition

Sunday November 22
3:30 to 5:00pm
Seattle Sheraton Hotel, Diamond A

Sponsored by
Michigan State University- Demmer
Center for Business Transformation
 **MICHIGAN STATE UNIVERSITY**
DEMME CENTER FOR BUSINESS TRANSFORMATION

Coordinators



Rita D'Angelo
D'Angelo Advantage LLC



Sriram Narayanan
Michigan State University
 **MICHIGAN STATE UNIVERSITY**

Best Lean Enterprise Paper Award Competition (Continued)

The Best Lean Enterprise Paper Award is a new Best Paper Category introduced in 2015. This particular category was sponsored by the Michigan State University- Demmer Center for Business Transformation.

Track chairs will nominate the best paper(s) that pertain to the theory and/or practice of lean/continuous improvement in their tracks. There is no limit on the number of papers that a track chair can nominate; the only requirement is that the track chair must consider the paper(s) deserving of consideration for the Best Lean Enterprise Paper Award. The Award coordinators will carefully review the candidate papers and decide the winner and the first runner-up.

Best Paper Award	Monetary Prize	Winner
<p><i>Best Lean Enterprise Paper Awards</i></p> <p>In Session: RESEARCH-HEALTHCARE: Leveraging Technology for Societal Health Issues</p> <p>Saturday, November 22, 2015; 1:30-3:00pm, Seattle Sheraton Hotel Aspen</p>	<p>First Place: \$3000.00</p>	<p>Testing the moderation effects of governance mechanisms on strategy, structure/processes and performance in hospitals</p> <p>David Dobrzykowski (Rutgers University), Kathleen McFadden (Northern Illinois University), and Mark Vonderembse (University of Toledo)</p>
<p><i>Best Lean Enterprise Paper Awards</i></p> <p>In Session: "RESEARCH-LEAN QUALITY SIX SIGMA: Behavioral Lean Six Sigma"</p> <p>Sunday, November 22, 2015; 8:30-10:00am Seattle Sheraton Hotel Aspen</p>	<p>Second Place: \$500</p>	<p>Lean Human Resource Management System Practices and Transformation</p> <p>David A. Marshall, (Eastern Michigan University) and Thomas J. Goldsby (The Ohio State University)</p>

Best Paper Awards Competition

Sunday November 22
8:30 to 10:00am
Seattle Sheraton Hotel, Issaquah B

Sponsored by
Wiley

WILEY

Coordinator



Soumen Ghosh
Georgia Institute of Technology



The Track chairs, based on the paper reviews and their judgment, will nominate the papers that will be the candidates for the best paper awards. It is expected that the track chair must consider the paper(s) deserving of consideration for the best paper awards. The Award coordinator, with the assistance of the awards review committee, will carefully review the candidate papers and decide the winner and the runner-up in each award category.

My thanks to the following people who helped me in reviewing the papers:

Adrian Choo, (Georgia State University)
Jeet Gupta, (Univ of Alabama – Huntsville)
Manpreet Hora, (Georgia Institute of Technology)
Brian Jacobs, (Michigan State University)
Nada Sanders, (Northeastern University)
Rachna Shah, (University of Minnesota)

The following are my recommendations for the awards, based on the reviews. Please note there were no suitable papers for the Best Theoretical/Conceptual category, which is not listed below.

Best Paper Awards Competition (Continued)

Best Paper Award	Monetary Prize	Winner
<p><i>Best Theory-Driven Empirical Research Paper</i></p> <p>Being presented in session titled "RESEARCH-SUPPLY NETWORKS: Managing Relationships in Strategic Sourcing and Supply Networks" Sunday, November 22, 2015; 10:30am-12:00 pm, Seattle Sheraton Hotel Diamond B</p>	\$500.00	<p>Responding to Suppliers Suffering Financial Distress Stephan M. Wagner, (Swiss Federal Institute of Technology, Zurich) Christoph Bode (University of Mannheim)</p>
<p><i>Best Analytical Research Paper</i></p> <p>Being presented in session titled "RESEARCH-NEW PRODUCT: Supply Chain Innovation and Strategy", Sunday, November 22, 2015; 3:30pm-5:00pm, Seattle Sheraton Hotel Meeting Jefferson B</p>	\$500.00	<p>Consumer Quality Reference and Offshoring in Product Recalls Yan Dong (University of South Carolina) Kefeng Xu (University of Texas, San Antonio) Sining Song (Arizona State University)</p>
<p><i>Best Application Paper</i></p> <p>Being presented in session titled "RESEARCH-HEALTHCARE: Managing Quality for the Sake of Patient", Monday, November 23, 2015; 3:30-5:00pm, Seattle Sheraton Hotel, Aspen</p>	\$500.00	<p>Empirical Analysis of Patient Safety Culture and Hospital Performance Using the AHRQ Survey on Patient Safety Culture Gregory N. Stock (University of Colorado, Colorado Springs) Kathleen L. McFadden (Northern Illinois University)</p>
<p><i>Best Student Paper</i></p> <p>Being presented in session titled "RESEARCH-HEALTHCARE: Driving for Quality in Healthcare", Sunday, November 22, 2015; 3:30-5:00pm, Seattle Sheraton Hotel Redwood A</p>	\$500.00	<p>Empirically Establishing Patient Care Quality Subhajit Chakraborty (Coastal Carolina University) Hale Kaynak (The University of Texas, Rio Grande Valley)</p>

For the 2015 DSI Annual Meeting, we introduced innovations to our traditional doctoral student and faculty consortia. Instead of one full-day doctoral student consortium for all Ph.D. students, we have two half-day doctoral consortia for Ph.D. students in different stages of completion (i.e., *Doctoral Student Consortium for Pre-Proposal Defense Students* and *Doctoral Student Consortium for Post-Proposal Defense Students*). Instead of one full-day faculty development consortium, we have two half-day faculty development consortia for those in different stages of their career (i.e., *New Faculty Development Consortium* and *Mid-Career Faculty Development Consortium*).

Finally, for the 2015 DSI Annual Meeting, we decided to organize and manage the *Making Statistics More Effective in Schools of Business* as a consortium. The reason is that the sessions are primarily solicited through an invitation process and managed independent of the conference management system.

Date, Time, & Place	LIVE Competition & Finalists
Saturday November 21 Seattle Sheraton Hotel, Willow	PhD. Student Consortium for Pre-Proposal Defense
Saturday, November 21, 2015 1:00 – 5:00 pm Seattle Sheraton Hotel, Cirrus Ballroom	PhD Students Consortium Post-Proposal Defense Stage
Saturday, November 21, 2015 1:00 – 5:00 pm Seattle Sheraton Hotel, Capitol Hill	New Faculty Development Consortium
Saturday, November 21, 2015 1:00 – 5:00 pm Seattle Sheraton Hotel, Willow B	Mid-Career Faculty Development Consortium
See Session Times Below	The DSI Making Statistics More Effective in Schools of Business (MSMESB) Consortium
See Session Times Below	Project Management Institute Consortium

PhD. Student Consortium for Pre-Proposal Defense

Saturday, November 21, 2015
1:00 – 5:00 pm
Seattle Sheraton Hotel, Willow A

Co-Coordina-tors



Scott Swenseth
University of Nebraska,
Lincoln



John Olson I
University of St. Thomas

Purpose

The Doctoral Student Consortium for Pre-Proposal Defense Students is designed to help guide students in early stages of doctoral programs and prepare them for the dissertation. The consortium incorporates topics ranging from the initial selection of specialization areas and supporting methodological tools to identifying dissertation topics and advisors. Everyone in the profession has had tremendous successes but not without significant hurdles along the way. Each session will incorporate risk awareness and management discussions to help navigate the hurdles and attain success.

Our goal is to help doctoral students succeed in their doctoral programs and academic careers. The format will be panel presentation and open discussion. Above all, the Doctoral Student Consortium for Pre-Proposal Defense Students will provide an initial venture into activity with the Institute and an opportunity to begin networking with your colleagues from other universities.

PhD. Student Consortium for Pre-Proposal Defense (continued)

Program

SESSION 1 (1:00-1:50 pm)

The Ph.D. Roadmap: Knowing What to Expect in the Months and Years Ahead

Expectations and time commitments for Ph.D. students are among the first hurdles that must be navigated in doctoral programs. Class time, class preparation, meetings with faculty, outside research projects, teaching or research assistant commitments and life in general will fill time quickly. Decisions made early can affect the course of the entire program and even the early career of an academic so it is important to plan carefully early in the doctoral program. As the adage goes, don't make long term decisions with short term information. This session will focus on prioritizing activities, time management, and understanding the impact of decisions over time. .

Break (1:50-2:00 pm)

SESSION 2 (2:00-2:50 pm)

Course Selection: Subject Areas and Methodological Tools

Determining areas of specialization and making specific course selection decisions will play a major part in preparing a PhD student for comprehensive exams and providing ideas for potential dissertation topics. Each program will have a unique structure and will provide a roadmap of courses and program requirements that will guide you through much of the process. Many programs will have core courses designed to prepare students for areas of specialization in line with faculty expertise. They may also have specifically defined research methodology tool areas that support their type of research. If so, identifying particular elective courses that match your interests becomes your focus. If not, then it is even more important that you take the course selection process seriously to increase your potential for success. It is important that your choice of research methodologies, which will become your area of expertise for several years, fits the expectations of your future research and the journals where you expect to publish..

Break (2:50-3:00 pm)

PhD. Student Consortium for Pre-Proposal Defense (continued)

SESSION 3 (3:00-3:50 pm)

Entering the Dissertation Stage: Planning Topics, Committee Members and a Timeline

The topic selection and completion of your dissertation will do more than complete your degree requirements. It will be front and center in your job search (both the topic and your timeline) and will be fundamental in setting you up for success early in your academic career. First and foremost, you must like your topic. You will be doing research in this area for years in the future, both while you remain in the Ph.D. program and during the early stages of your professional career. Second, your committee members must like your topic. If not, the hurdle you are navigating will be more difficult. Third, the profession must like your topic. Since this topic will be with you well into the future, it isn't enough that the topic is of interest now, it must also be of interest for several years after you complete your program to help land that dream job and to continue to publish in the journals that will be crucial to achieving tenure.

Break (3:50-4:00 pm)

SESSION 4 (4:00-4:50 pm)

Tying it all Together: Time Management, Program Management, and Career Management

In this session we will bring everything back together and share experiences of risk management that worked, along with some that didn't. We will also cover more general topics like preparing for comprehensive exams and opportunities for involvement in the Institute. Most importantly, we will address questions and concerns you have about doctoral programs that have not been addressed in the earlier sessions

More information available at Conference

Summary and Concluding Remarks (4:50-5:00 pm)

PhD Students Consortium Post-Proposal Defense Stage

Saturday, November 21, 2015

1:00 – 5:00 pm

Seattle Sheraton Hotel, Cirrus Ballroom

Co-Coordinators



Marcus Rothenberger
University of Nevada Las
Vegas



Keong Leong
California State University,
Dominguez Hills

Purpose

The Doctoral Consortium for Post-Proposal Defense Students is offered to individuals who are well into their doctoral studies (normally within 1-2 years from graduation). Students pursuing their doctorates in decision sciences, operations management, management information systems, management science, and related business fields are all welcome. The Consortium will include participative and interactive sessions focusing on career goals, research strategies and publishing, job search issues, placement services, manuscript reviewing, and promotion and tenure.

Program

Joint Consortia LUNCHEON (Noon-1:00 pm)

(Co-sponsored by **Alpha Iota Delta**, **Beta Gamma Sigma**, and the **Zarb School of Business**, **Hofstra University, USA**)

SESSION 1 (1:00-2:00 pm)

The Job Market

The process of landing a faculty position can be a long, challenging endeavor. This session will shed light on the entire process and address many questions that can arise. Should I target my job search on research-oriented schools? Teaching schools? Private? Public? Other international institutions? What is the best way to sell myself? What are the ingredients of a good job interview? This session will help participants answer these questions through insights drawn from a panel of faculty experts.

Confirmed Panelists:

- Stephanie Eckerd, University of Maryland
- Mahyar Eftekhari, Arizona State University
- Ozgur Turetken, Ryerson University

Break (2:10-3:10 pm)

PhD Students Consortium Post-Proposal Defense Stage (Continued)

SESSION 2 (2:10-3:10 pm)

Welcome Onboard: You Are Now an Assistant Professor

This session focuses on the many challenges and activities as you transition from Ph.D. Student to Assistant Professor. The session will address key onboarding issues. How do you balance your time between research, teaching, service and family life? What do you need to do to be ready for promotion and tenure? We'll address these questions and others with a panel of new assistant professors.

Confirmed Panelists:

- James Hill, The Ohio State University
- Morgan Swink, Texas Christian University
- Joseph Wen, California State University, Dominguez Hills)

Break (3:10-3:20 pm)

SESSION 3 (3:20-4:20 pm)

Research with Impact

Research is a cornerstone of an academic career. Indeed the pressures to publish are quite apparent and continue to rise. Further, there is growing discussion of research *impact*; in some contexts publishing is necessary but not sufficient. This session centers on the process of building and maintaining a solid research pipeline throughout your career, with emphasis on the early years. Discussion points will include but are not limited to publishing, research collaboration, picking new topics, identifying the next hot topic and managing your research efforts as a portfolio.

Confirmed Panelists:

- Julie Kendall, Rutgers University
- Jennifer Blackhurst, University of Iowa
- Joy Field, Boston College
- Robert Pavur, University of North Texas
- T. Ravichandran, Rensselaer Polytechnic Institute
- Chwen Sheu, Kansas State University

Break (4:20-4:30 pm)

SESSION 4 (4:30-5:00 pm)

An Academic Career: The Road Ahead

This session concludes the Consortium by providing a "big picture" synthesis of key takeaways and by addressing any un-answered student questions.

Moderators:

- Marcus Rothenberger, University of Nevada Las Vegas
- Keong Leong, California State University, Dominguez Hills

New Faculty Development Consortium

Saturday, November 21, 2015

1:00 – 5:00 pm

Seattle Sheraton Hotel, Capitol Hill

Co-Coordiators



Constantin Blome
University of Sussex



Rohit Verma
Cornell University

Purpose

The New Faculty Development Consortium (NFDC), held on Saturday, November 21st, is a program intended for faculty who are in the initial stages of their academic careers. We invite faculty members who have received a Ph.D. during the last three years to participate in the NFDC in order to gain insights into how to launch and sustain a successful professional career.

The NFDC consortium program is divided into several discussion sessions that will be facilitated by well-established, mid-career and Jr. Scholars from around the world. The sessions will provide many opportunities for discussion between the invited panelists and the participants and within participants in an informal and supportive environment. The names of the invited panelists will be announced in August 2015. Interested participants are invited to contact any of the two NFDC consortium coordinators for additional information..

Program

Session 1(10: 00 – 10:30am)

Welcome and Introduction

Session 2 (10:30am – 12:00pm)

Learning From the Rising Stars: How to not only make tenure, but to become a prolific scholar (10:30 am – 12:00pm)

There are many paths to success as a prolific research scholar filled with opportunities, constraints and un-expected twists and turns. This session will be led by panelists who have successfully navigated through the complex process of publications and tenure during the last few years.

New Faculty Development Consortium (Continued)

Joint Consortia LUNCHEON (Noon-1:00pm)

Session 3 (2:00-2:15pm)

Developing a Research Portfolio: What to do and what not to do

The NFDC participants will be invited to discuss their short and long-term research program with well-established scholars who have had a distinguished record of publishing high quality research in top-tier journals. The invited panelists have or currently serve on editorial boards of several journals and have also reviewed research portfolios of many candidates for tenure and promotion.

Session 4 (2:30 – 3:45 pm)

Becoming a Star Teacher: How to consistently outperform in the classroom and win multiple teaching awards

While teaching is an essential component of a faculty life, majority of the doctoral training revolves around building research competence. Therefore several new faculty members find it difficult to develop as an effective teacher early during their academic careers. This session will be led by both established and relatively Jr. scholars who have excelled in the classroom settings. The panelists will share their experiences and offer tips and advice for excelling in the classroom..

Session 5 (4:00-5:00pm)

Career Advice: There is more to faculty life than just research and teaching

Fellows and leaders of the Decision Sciences Institute are successful faculty members who have selflessly contributed their time and efforts to the organization. In this session, you will get your chance to ask the panelists questions whose answers will help shape and propel your professional career forward. Questions will be anonymously collated by the moderators and posed to the panel.

Summary and Concluding Remarks (4:50-5:00 pm)

Mid-Career Faculty Development Consortium

Saturday, November 21, 2015
1:00 – 5:00 pm
Seattle Sheraton Hotel, Willow B

Co-Coordiators



Amit Eynan
University of Richmond



Gyula Vastag
National University of Public
Service and Széchenyi
University, Hungary

Purpose

Once tenured, faculty are presented with new opportunities to enhance their career and contribute to their institutions and the profession. The main objective of the Mid-Career Faculty Development Consortium (MCFDC) is to assist faculty who have recently passed one of the most important milestones, tenure, plan a fulfilling and rewarding career. In this consortium we will discuss these opportunities and help participants figure out which directions are best for them.

Program

Joint Consortia LUNCHEON (Noon-1:00 pm)

Introductions (1:00-1:15 pm)

SESSION 1 (1:15-2:00 pm)

Research Opportunities

As much as research expectations may seem vague during pre-tenure they are actually even fuzzier post tenure. Faculty can enhance their research agenda in many ways, some of which are more practical after tenure. In this session we will discuss many of these options to make participants more knowledgeable about the pros and cons of each one and help them determine which approach they should take based on their skills, interests and environment.

Panelists:

Nada Sanders, Northeastern University.

Kathy Stecke, University of Texas.

Mid-Career Faculty Development Consortium (Continued)

SESSION 2 (2:00-2:45 pm)

Pedagogical Opportunities

Teaching and classroom experience is rapidly changing nowadays. In order to keep up we must adapt and find new directions. Being tenured provides the opportunity to devote more time to writing cases, authoring textbooks, and introducing innovative pedagogical approaches. In this session we will discuss many of these options and how they can enrich a faculty career.

Panelists:

Janelle Heineke, Boston University.

Manoj Malhotra, University of South Carolina.

Break (2:45-3:00 pm)

SESSION 3 (3:00-3:45 pm)

Professional and Administrative Opportunities

Service load tends to increase after faculty has received tenure. For example, institutions generally recognize faculty for taking on leadership roles within our societies and professional organizations. Additionally, faculty who is an associate editor or editor of a leading journal is viewed as an accomplished researcher and scholar. While service can take place in our institutions at various levels, it is critical for faculty to work on those activities that are more impactful. Administrative and service opportunities within the academic institutions are also available and expected. In this session we will discuss the various opportunities available to individuals to serve the school, university and profession and enhance their career.

Panelists:

Constantin Blome, University of Sussex.

Geraldo Ferrer, Naval Postgraduate School.

Markku Kuula, Aalto Univers

SESSION 4 (3:45-4:30 pm)

Career Planning

Participants will discuss career planning with selected panel members. In this session participants will be encouraged to assess the various opportunities, select those which they find more appealing in order to embark on new directions.

Summary and Concluding Remarks (4:30-5:00 pm)

The DSI Making Statistics More Effective in Schools of Business Consortium

Co-Coordinators



Robert L. Andrews
Virginia Commonwealth
University



Kellie Keeling
University of Denver

Purpose

The DSI Making Statistics More Effective in Schools of Business (MSMESB) Specific Interest Group (SIG) is organizing a series of invited sessions that will be part of a consortium at the 2015 DSI Annual Meeting. These sessions are targeted for those with an interest in current practices in the areas of analytics and statistics instruction. The sessions will be led by a mixture of faculty and practicing professions. For each session the leaders are instructed to allow time for audience interaction and discussion on the topics being presented. This structure allows attendees to make contact with others with experience in an area of interest to the attendee.

It is noteworthy that JMP/SAS, Minitab, IBM and Tableau have committed to providing speakers and we are awaiting a commitment from Microsoft. The workshop will offer an interesting set of sessions covering a variety of topics from instruction in the introductory business statistics class to leading edge tools and techniques for analytics and work with the AACSB to create a Business Analytics Council Program

The DSI Making Statistics More Effective in Schools of Business Consortium (Continued)

Program

Saturday November 21, 2015
8:30 – 10:00 pm
Seattle Sheraton Hotel, Ballard

Environmental Issues for Statistics Education

Session Chair: Robert Andrews (Virginia Commonwealth University)

A Preliminary Study of Chinese Business Students' Attitudes Toward Statistics

*PING WANG (JAMES MADISON UNIVERSITY)

Barriers of Adopting Statistics by Firms Adopting Lean Methodology

*Deepak Iyengar (Central Washington University)

Shashank Rao (Auburn University)

Saturday November 21, 2015
10:30 – 12:00 pm
Seattle Sheraton Hotel, Ballard

Experiences with a Variety of Technologies Designed to Aid Instruction

Moderator: Robert Andrews (Virginia Commonwealth University)

Panelist: James Evans (University of Cincinnati)

Panelist: David Stephan (Two Bridges Instructional Technology)

Panelist: Joan Donohue (University of South Carolina)

Saturday November 21, 2015
1:30 – 3:00 pm
Seattle Sheraton Hotel, Ballard

Explain What It Means: Communication, Visualization, Presentation and Storytelling for Analysis Results

Moderator: Robert Andrews (Virginia Commonwealth University) randrews@vcu.edu

Moderator: Linda Boardman Liu (Boston College)

Panelist: Linda Boardman Liu (Boston College)

Panelist: Satish V Nargundkar (Georgia State University)

Panelist: Wilma Andrews (Virginia Commonwealth University)

Panelist: Kellie Keeling (University of Denver)

**The DSI Making Statistics More Effective in Schools of Business Consortium
(Continued)**

Saturday, November 21, 2015
3:30 – 5:00 pm
Seattle Sheraton Hotel, Ballard

AACSB Resources for Building an Undergraduate or Graduate Level Business Analytics Program

Moderator: Timothy Paul Cronan (University of Arkansas-Fayetteville)
Moderator: David Douglas (University of Arkansas).

Sunday, November 22, 2015
8:30 – 10:00 am
Seattle Sheraton Hotel, Grand Ballroom B

Applications of JMP and Minitab Software for Supporting Analytical Instruction

Session Chair: Robert Andrews (Virginia Commonwealth University)

Using College Football Scores to Illustrate Basic Statistical Concepts with Minitab
*Scott Kowalski (Minitab)

Interactive Predictive Modeling Using JMP 12 Pro
*Mia Stephens (JMP)

Sunday, November 22, 2015
1:30 – 3:00 pm
Seattle Sheraton Hotel, Grand Ballroom B

Demonstrations of IBM, Tableau and Microsoft Software for Supporting Analytical Instruction

Moderator: Robert Andrews (Virginia Commonwealth University)
Panelist: Frank Tringali (IBM Corporation)
Panelist: Emma Trifari (Tableau Software)

**The DSI Making Statistics More Effective in Schools of Business Consortium
(Continued)**

Sunday, November 22, 2015

3:30 – 5:00 pm

Seattle Sheraton Hotel, Grand Ballroom B

What are the Important Skills/Tools that Should be Taught for Analytics Students?

Moderator: Robert Andrews (Virginia Commonwealth University)

Panelist: John McQuaid (Pepperdine University)

Panelist: Weiyong Zhang (Old Dominion University)

Panelist: Yan Li (Claremont Graduate University)

Panelist: Curt Hinrichs (SAS Institute, Inc.)

Monday, November 23, 2015

8:30 – 10:00 am

Seattle Sheraton Hotel, Grand Ballroom B

Thoughts, Tips and Suggestions for Teaching Statistics for Today's Students

Moderator: Robert Andrews (Virginia Commonwealth University)

Panelist: David Levine (Baruch College-CUNY)

Panelist: Tracy Rishel (The Citadel)

Panelist: Sudip Ghosh (Penn State University, Berks College)

Panelist: Wilma Andrews (Virginia Commonwealth University)

Monday, November 23, 2015

1:30 – 3:00 pm

Seattle Sheraton Hotel, Grand Ballroom B

**Caucus/Business Meeting of the Making Statistics More Effective in Schools of Business
DSI Specific Interest Group**

Moderator: Robert Andrews (Virginia Commonwealth University)

Panelist: Frank Tringali (IBM Corporation)

Panelist: Emma Trifari (Tableau Software)

Project Management Institute Consortium

Co-Coordinators



Gary Klein
University of Colorado,
Colorado Springs



Jayant Saraph
Metropolitan State University



Susan Misterek,
Metropolitan State University

Purpose

Once again, the Project Management Institute has partnered with DSI to create sessions of interest in both the Research Pillar and the Education and Professional Development Pillar. As the interest in project management grows throughout industries, professions, and universities, the sessions at the DSI Annual Meeting provide a forum to interact with others doing new studies in project management and those who have incorporated project management into curricula in both management and engineering.

Research accepted for presentation include applications in information systems, health care, consulting, and supply chains. Methodological and theoretical topics include risk management, critical chains, knowledge management, contracting, and earned value. There are also panels planned on teaching tips, publishing in the Project Management Journal, and online resources for instructional support. Of particular note, a roundtable of researchers will discuss perspectives and opportunities for cross disciplinary research with project management and the more commonly held disciplines in the Decision Sciences.

Project Management Institute Consortium (Continued)

Program

Saturday November 21, 2015

8:30 – 10:00 pm

Seattle Sheraton Hotel, Ravenna A

Enhancing the Project Management Classroom

Session Chair: Jayant Saraph (Metropolitan State University)

A Focus on Estimation Instruction

*Gary Klein (University of Colorado Colorado Springs)

CAPM Addendum to Project Management Courses

*Vijay K Kanabar (Boston University)

Competency-Based Education: Academic Credit for Project Management Knowledge and Skills?

*Susan Misterek (Metropolitan State University)

Saturday November 21, 2015

10:30 – 12:00 pm

Seattle Sheraton Hotel, Ravenna A

Managing Strategic Project Initiatives: A Guide for Developing Undergraduate Curriculum

Moderator: Carla Messikomer (Project Management Institute)

Panelist: Vijay K Kanabar (Boston University)

Panelist: Arthur Thomas (Syracuse University)

Panelist: Linh Luong (City University of Seattle)

Saturday November 21, 2015

1:30 – 3:00 pm

Seattle Sheraton Hotel, Ravenna A

Meet the Editors of the Project Management Journal

Moderator: Gary Klein (University of Colorado Colorado Springs)

Project Management Institute Consortium (Continued)

Sunday November 2, 2015

3:30 – 5:00 pm

Seattle Sheraton Hotel, Grand Ballroom A

Roundtable on Potential Research Overlap in Project Management with Other DSI Disciplines

Moderator: Carla Messikomer (Project Management Institute)

Panelist: Gary Klein (University of Colorado Colorado Springs)

Panelist: Morgan Swink (Texas Christian University)

Panelist: Mohan Tatikonda (Indiana University)

2015 Workshops

The 2015 DSI Annual Meeting offers many professional development workshops intended to help attendees become better researchers, teachers, administrators, and professional service volunteers. Many are highlighted below, with more listed in the annual meeting schedule. Workshop leaders have been asked to make these sessions as interactive and as hands-on as possible. Feel free to experience as many as your schedule permits.

Date & Time	Place	Workshop Title & Leader(s)
Monday November 23 1:30 to 2:15pm	Seattle Sheraton Hotel, Columbia	<p><i>Come preview Pearson's new, engaging OM decision-making simulations</i></p> <p><i>Workshop Coordinator: Lauren Lopez (Pearson Publishing) lauren.lopez@pearson.com</i></p> <p><i>Presenter: Katie Rowland (Pearson) Katie.Rowland@pearson.com</i></p> <p><i>Presenter: Brian Hyland (Pearson) Brian.Hyland@pearson.com</i></p>
Monday November 23 2:15 to 2:15pm	Seattle Sheraton Hotel, Columbia	<p><i>Foster student engagement and peer-to-peer learning through Learning Catalytics</i></p> <p><i>Workshop Coordinator: Lauren Lopez (Pearson Publishing) lauren.lopez@pearson.com</i></p> <p><i>Presenter: Adam Goldstein (Pearson) Adam.Goldstein@pearson.com</i></p>
Saturday November 21 1:00-2:30 pm	Seattle Sheraton Hotel, Greenwood	<p><i>Cultural Intelligence & Global Supply Chain Management Mark</i></p> <p><i>Workshop Coordinator: Peggy Daniels Lee (Indiana-Purdue University Indianapolis) pedalee@iupui.edu</i></p> <p><i>Presenter: Charlotte Fay Westerhaus-Renfrow (Indiana-Purdue University Indianapolis) cfwester@iupui.edu</i></p>

2015 Workshops (Continued)

<p>Saturday November 21 10:30 to 12:00pm</p>	<p>Seattle Sheraton Hotel, Greenwood</p>	<p><i>WORKSHOP: Effective Teaching Methods</i></p> <p>Workshop Coordinator: Khaled Alshare (Qatar University) kalshare@qu.edu.qa</p> <p>Presenter: Peggy L. Lane (Missouri Western State University) plane3@missouriwestern.edu</p> <p>Presenter: Michael Robert Lane (Missouri Western State University) lane@missouriwestern.edu</p>
<p>Saturday November 21 1:30-3:00pm</p>	<p>Seattle Sheraton Hotel, Greenwood</p>	<p><i>Games and Gamification of Online OM Courses</i></p> <p>Workshop Coordinator: Joe Felan (University of Arkansas at Little Rock) jtfelan@ualr.edu</p> <p>Presenter: Ahmad Naeem Bajwa (University of Arkansas at Little Rock) ANBAJWA@UALR.EDU</p>
<p>Sunday November 23 8:30-10:00 am</p>	<p>Seattle Sheraton Hotel, Redwood B</p>	<p><i>How to Publish in Top Tier Journals</i></p> <p>Ram Narasimhan (Michigan State University)</p>
<p>Sunday November 23 8:30 to 10:00 am</p>	<p>Seattle Sheraton Hotel, Redwood B</p>	<p><i>How to Review to Become Editor of a Journal</i></p> <p>Johnny Rungtusanatham (The Ohio State University)</p>
<p>Saturday November 21 3:30-5:00 pm</p>	<p>Seattle Sheraton Hotel, Greenwood</p>	<p><i>Integrated Strategic Management (ISM) Game with Responsive Learning Technologies</i></p> <p>Sam Wood (Responsive Learning Technologies)</p>
<p>Monday November 23 1:00 to 3:00pm</p>	<p>Seattle Sheraton Hotel, Grand Ballroom A</p>	<p><i>Internationalization of Indian B-Schools: Opportunities for Strategic Partnerships</i></p> <p>Ravi Jain (Symbiosis Institute of Business Management, Hyderabad Campus)</p> <p>Bhimaraya A Metri (International Management Institute)</p> <p>Ramachandran Natarajan (Tennessee Tech University)</p> <p>Chandrasekhar Khedkar (Savitribai Phule Pune University)</p>

2015 Workshops (Continued)

Sunday November 22 1:30 to 3:00 pm	Seattle Sheraton Hotel, Diamond A	<i>Pearson Publishing Demo Workshop</i> Lauren Lopez (Pearson Publishing)
Saturday November 21 3:30 to 5:00pm	Seattle Sheraton Hotel, Jefferson A	<i>Program Level Assessment, Student Learning Outcomes: Exploring the link Between Accreditation, Assessment and Enhancing Student Learning</i> Patti Miles (University of Maine)
Saturday November 21 1:30 to 3:00pm	Seattle Sheraton Hotel, Redwood A	<i>Publishing in DSIJIE</i> Vijay Kannan (Utah State University))
Monday November 23 3:30 to 5:00pm	Seattle Sheraton Hotel, Redwood B	<i>Publishing in DSJ</i> Nallan Suresh (University at Buffalo-SUNY)
Saturday November 21 1:30 to 3:00pm	Seattle Sheraton Hotel, Cedar A	<i>Student Engagement in Online Graduate Education</i> Peggy Daniels Lee (Indiana-Purdue University Indianapolis)
Sunday November 22 10:30 to 12:00pm	Seattle Sheraton Hotel, Diamond A	<i>Teaching Case Studies by the Case Centre</i> Elizabeth Thorne (The Case Centre)
Saturday November 21 8:30 to 1000am	Seattle Sheraton Hotel, Cedar B	<i>Teaching Sustainable Business</i> Nada Sanders (Lehigh University) John D. Wood (Econautics Sustainability Institute (ESI))



2015 Meals, Receptions, and Networking Events

DSI attendees come to share their discoveries, to learn from one another, and also reconnect with old friends and make new ones. The 2015 DSI Annual Meeting facilitates these goals not only through various presentation sessions, workshops, and panels but also through social and networking events.

Meals, Receptions and Networking

Date & Time	Place	Event
Saturday November 21 12:00 to 1:00pm	Seattle Sheraton Hotel, Cirrus Room (Social and Reception Area)	<i>Joint Consortia Luncheon</i> *Invitation Only Event*
Saturday November 21 5:00 to 6:00pm	Seattle Sheraton Hotel, Juniper	<i>DSI Journals Reception (Hosted by Wiley)</i>
Saturday November 21 5:00-6:00 pm	Seattle Sheraton Hotel, Cirrus Room (Social and Reception Area)	<i>New Member Welcome Reception</i>
Saturday November 21 6:00-8:30 pm	Museum of Flight Seattle, Washington	<i>DSI Welcome Reception @ Museum of Flight</i>
Saturday November 21 10:00 to 11:30pm	Seattle Sheraton Hotel, Metropolitan Ballroom Pre- Function Area	<i>After Glow "Dessert & Cash Bar" Networking Social</i>
Sunday November 22 12:00 to 1:30pm	Seattle Sheraton Hotel, Grand Ballroom	<i>DSI Luncheon and Keynote 2: Game Changing Technology: How One Company is Helping Hotel Owners Make More Profitable Decisions</i>
Sunday November 22 6:00 to 7:30pm	Space Needle, Seattle, Washington	<i>International Networking Reception @ Space Needle</i> *Ticket Only Event*
Sunday November 22 8:00 to 9:00pm	Space Needle, Seattle, Washington	<i>DSI Business Meeting @ Space Needle</i>
Sunday November 22 9:00 to 11:00pm	Seattle Sheraton Hotel, Grand Ballroom C	<i>DSI After Hours Gathering</i>



2015 Meals, Receptions, and Networking Events

Meals, Receptions and Networking (Continued)

Monday November 23 5:00 to 6:00pm	Seattle Sheraton Hotel, President's Suite	<i>Fellows Reception</i> *Invitation Only Event*
Monday November 23 5:30 to 9:30pm	Seattle Sheraton Hotel, Grand Ballroom	<i>President's Gala Reception and Closing Banquet</i> The 2015 DSI Annual Meeting officially closes with a dinner and reception. Award Winners will be announced.

Coffee Breaks

DSI has also provided 6 conveniently scheduled Coffee Breaks throughout the conference.

Date & Time	Place	Event
Saturday November 21 10:00-10:30 pm	Seattle Sheraton Hotel, Metropolitan Ballroom (Breakfast and Coffee Break Area)	<i>COFFEE BREAK 1: Saturday Morning</i>
Saturday November 21 3:00 to 3:30pm	Seattle Sheraton Hotel, Metropolitan Ballroom (Breakfast and Coffee Break Area)	<i>COFFEE BREAK 2: Saturday Afternoon</i>
Sunday November 22 10:00 to 10:30pm	Seattle Sheraton Hotel, Grand Ballroom Pre-Function Area	<i>COFFEE BREAK 3: Sunday Morning</i>
Sunday November 22 3:00 to 3:30pm	Seattle Sheraton Hotel, Metropolitan Ballroom (Breakfast and Coffee Break Area)C	<i>COFFEE BREAK 4: Sunday Afternoon</i>
Saturday November 21 10:00 to 10:30pm	Seattle Sheraton Hotel, Metropolitan Ballroom Pre- Function Area	<i>COFFEE BREAK 5: Monday Morning</i>
Monday November 23 3:00 to 3:30pm	Seattle Sheraton Hotel, Metropolitan Ballroom (Breakfast and Coffee Break Area)	<i>COFFEE BREAK 6: Monday Afternoon</i>



2015 Meals, Receptions, and Networking Events

Breakfasts

The 2015 DSI Annual Meeting is pleased to be able to continue of offer continental breakfast to attendees and thank the Project Management Institute for its sponsorship.

Continental breakfast is available at the Seattle Sheraton Hotel, Metropolitan Ballroom (Breakfast and Coffee Break Area)

Date & Time	Place	Event
Saturday November 21 7:30-8:30 am	Seattle Sheraton Hotel, Metropolitan Ballroom (Breakfast and Coffee Break Area)	Continental Breakfast 1 
Sunday November 22 7:30-8:30 am	Seattle Sheraton Hotel, Metropolitan Ballroom (Breakfast and Coffee Break Area)	Continental Breakfast 2 
Monday November 23 7:30-8:30 am	Seattle Sheraton Hotel, Metropolitan Ballroom (Breakfast and Coffee Break Area)	Continental Breakfast 3 

We are pleased to have received \$30,000+ in sponsorship. Thanks to the generosity of the sponsors, we are able;

- [1] To fully or partially fund annual meeting networking and special events including the Space Needle International Networking Reception on (Sunday, November 22, 2015); the Welcome Reception (Saturday, November 21, 2015); and the *Elwood Buffa Dissertation Live Award Competition* (Sunday, November 22, 2015)
- [2] To partially fund the daily breakfasts for attendees
- [3] To support plenary speaker events

Below is List of sponsorship levels and the benefits at each level.

Silver Sponsors: \$500
public recognition of person or representative of organization at DSI Awards Banquet
small gift
Gold Sponsors: \$750
public recognition of person or representative of organization at DSI Awards Banquet
small gift
Platinum: \$1000
public recognition of person or representative of organization at DSI Awards Banquet
small gift
recognition in Decision Line
complimentary ticket to the Space Needle Dinner Event for person or representative or organization
Diamond: \$1500
signage recognizing sponsor posted prominently at DSI Awards Banquet
signage recognizing sponsor posted prominently during event the sponsorship is used toward
public recognition of person or representative of organization at DSI Awards Banquet
small gift
Recognition in Decision Line, complimentary ticket to the Space Needle Dinner Event for person or representative of organization
President's Circle: \$2000
Conference registration reimbursed by DSI for the person or representative of the organization providing the sponsorship
signage recognizing sponsor posted prominently at DSI Awards Banquet
signage recognizing sponsor posted prominently during event the sponsorship is used toward
public recognition of person or representative of organization at DSI Awards Banquet
small gift
recognition in Decision Line
conference registration reimbursed by DSI for the person or representative of the organization providing the sponsorship

Below is an alphabetical listing in recognition (and to say "thank you") to our sponsors and their sponsorship category:

Sponsor	Sponsorship Category
 <p>GEORGIA SOUTHERN UNIVERSITY DEPARTMENT OF LOGISTICS AND SUPPLY CHAIN MANAGEMENT</p> <p>Georgia Southern University</p>	<ul style="list-style-type: none"> • President's Circle Sponsorship
 <p>Greenleaf PUBLISHING</p> <p>Greenleaf Publishing</p>	<ul style="list-style-type: none"> • Platinum Sponsorship
 <p>HERCHER</p> <p>Hercher Publishing</p>	<ul style="list-style-type: none"> • Platinum Sponsorship • Elwood Buffa Dissertation Award
 <p>Kennesaw State UNIVERSITY</p> <p>Coles College of Business</p> <p>Kennesaw University- Dean's Office College of Business</p>	<ul style="list-style-type: none"> • President's Circle Sponsorship
 <p>KENNESAW STATE UNIVERSITY</p> <p>Coles College of Business</p> <p>Department of Management and Entrepreneurship</p> <p>Kennesaw University - Dept of Management</p>	<ul style="list-style-type: none"> • Gold Sponsorship
 <p>UNIVERSITY OF SOUTH CAROLINA Darla Moore School of Business</p> <p>Darla Moore College of Business, University of South Carolina</p>	<ul style="list-style-type: none"> • Silver Sponsorship
 <p>MICHIGAN STATE UNIVERSITY</p> <p>Michigan State University- Department of Supply Chain Management</p>	<ul style="list-style-type: none"> • Diamond Sponsorship
 <p>MICHIGAN STATE UNIVERSITY</p> <p>Michigan State University- Demmer Center for Business Transformation</p>	<ul style="list-style-type: none"> • President's Circle Sponsorship • Best Lean Enterprise Paper Award Competition
 <p>MICHIGAN STATE UNIVERSITY International Business Center</p> <p>Michigan State University- International Business Center</p>	<ul style="list-style-type: none"> • President's Circle Sponsorship • International Networking Reception Space Needle
 <p>ALPHA IOTA DELTA THE INTERNATIONAL HONOR SOCIETY IN THE DECISION SCIENCES AND INFORMATION SYSTEMS</p> <p>Alpha Iota Delta</p>	<ul style="list-style-type: none"> • Diamond Sponsorship

Sponsor	Sponsorship Category
 California State University – Dominguez Hills	<ul style="list-style-type: none"> • President's Circle Sponsorship
 Pearson Education	<ul style="list-style-type: none"> • Diamond Sponsorship
 Project Management Institute	<ul style="list-style-type: none"> • President's Circle Sponsorship • International Networking Reception Space Needle • Continental Breakfasts
 Texas Christian University -Neeley School Supply and ValueChain Center	<ul style="list-style-type: none"> • Silver Sponsorship
 University of Alabama-Huntsville	<ul style="list-style-type: none"> • Platinum Sponsorship
 University of Texas	<ul style="list-style-type: none"> • Silver Sponsorship
 University of Texas Dallas, Naveen Jindal School of Management	<ul style="list-style-type: none"> • Platinum Sponsorship • International Networking Reception Space Needle • Welcome Reception
 Utah State University	<ul style="list-style-type: none"> • Silver Sponsorship
 Wiley Publishing	<ul style="list-style-type: none"> • Diamond Sponsorship • DSI Journals Reception

Exhibitors

Thanks to the efforts of the Home Office staff, we are joined by 18 confirmed exhibitors who will share information about how our jobs can be more efficient and effective with their products and services. Be sure to check them out near the registration area.

Exhibitors	
	APICS APICS Supply Chain Council
	Business Expert Press
	Cengage Learning
	Certiport
	Hercher Publishing
	Ivy Publishing
	JMP Academic Programs / SAS Institute Inc.
	LINKS Simulation
	Minitab

Exhibitors (Continued)

	Pearson Education
	Project Management Institute
	Responsive Learning Technologies
	Springer Science & Economics: OR &MS
	The Case Centre
	Wiley Publishing

Placement Services

For the 2015 Annual Meeting of DSI, reserved interview tables are set up in the Seattle Sheraton Hotel Metropolitan Ballroom and will be available for use during the following days and hours:

Saturday November 21; 8:30 am – 5:00 pm Seattle Sheraton Hotel, Metropolitan Ballroom	Saturday Placement Services
Sunday, November 22, 2015; 8:30 am – 5:00 pm Seattle Sheraton Hotel, Metropolitan Ballroom	Sunday Placement Services
Saturday, November 21, 2015; 8:30 am – 5:00 pm Seattle Sheraton Hotel, Metropolitan Ballroom	Monday Placement Services



2015 Program Schedule

Saturday, Nov 21st, 2015, 7:00-8:30 a.m

1

Saturday, Nov 21st, 2015, 7:00-8:30 a.m. | Eagle Board Room

ADMINISTRATIVE MEETING: Member Services Committee

Chair: Hope Baker (Kennesaw State University)

Members: Robert Pavur (University of North Texas), Bhimaraya A Metri (International Management Institute), Constantin Blome (University of Sussex), Jomon Aliyas Paul (Kennesaw State University), Peggy Daniels Lee (Indiana-Purdue University Indianapolis), Kaushik Sengupta (Hofstra University), Ina Markham (James Madison University), Janet Hartley (Bowling Green State University), Shanan Gibson (East Carolina University)

Saturday, Nov 21st, 2015, 7:30-8:30 a.m

2

Saturday, Nov 21st, 2015, 7:30-8:30 a.m. | Metropolitan Ballroom (Break Area)

BREAKFAST 1: Continental Breakfast Sponsored by Project Management Institute

Saturday, Nov 21st, 2015, 8:30-10:00 a.m.

3

Saturday, Nov 21st, 2015, 8:30-10:00 a.m. | Juniper -

ADMINISTRATIVE MEETING: Northeast DSI Regional Annual Business Meeting

Chair: Minoo Tehrani (Roger Williams University)

Members: Joy Field (Boston College), John Affisco (Hofstra University), Pedro Reyes (Baylor University), Linda Boardman Liu (Boston College), Eric Stein (Penn State Great Valley), Javad Paknejad (Hofstra University), Koray Ozpolat (University of Rhode Island), Deb Sledgianowski (Hofstra University), Gang Li (Bentley University), Jennifer Swanson (Stonehill College)

4

Saturday, Nov 21st, 2015, 8:30-10:00 a.m. | Ravenna A -

CONSORTIA-PROJECT MANAGEMENT: Enhancing the Project Management Classroom

Chair: Jayant Saraph (Metropolitan State University)

A Focus on Estimation Instruction

Abstract

Gary Klein (University of Colorado Colorado Springs)

Estimation is a centerpiece in project management, and sometimes difficult to teach in the classroom, particularly to undergraduate business students coming from all disciplines. We propose an approach that draws estimation to the heart of the class and provides solid methodology. A simple example is provided with ties other topics.

CAPM Addendum to Project Management Courses

Abstract

Vijay K Kanabar (Boston University)

The CAPM provides undergraduate students an opportunity to demonstrate competence in the field of Project Management and enhance career opportunities. In this presentation we describe best practices for incorporating CAPM. Who qualifies? What are the key learning goals and outcomes? What are better ways to assess and deliver this competence?

Competency-Based Education: Academic Credit for Project Management Knowledge and Skills?

Abstract

Susan Misterek (Metropolitan State University)

Practice heavily influences the content of the body of knowledge in project management. Practitioners often obtain skills through non-academic activities, such as workshops, self-study, or workplace training. This presentation will examine issues associated with granting academic credit for competency-based project management knowledge and skills gained outside of academia.

5

Saturday, Nov 21st, 2015, 8:30-10:00 a.m. | Ballard

CONSORTIA-STATISTICS BUSINESS SCHOOLS: Environmental Issues for Statistics Education

Chair: Robert Andrews (Virginia Commonwealth University)

A Preliminary Study of Chinese Business Students' Attitudes Toward Statistics

Abstract

PING WANG (JAMES MADISON UNIVERSITY)

This study was the first one that described the process to adapt Survey of Attitudes Toward Statistics to Chinese business students, explored the validity of the instrument, tested hypotheses, and showed similarities and differences of Chinese students' attitudes toward statistics as compared to those students in Western countries in literature.

Barriers of Adopting Statistics by Firms Adopting Lean Methodology

Abstract

Deepak Iyengar (Central Washington University), Shashank Rao (Auburn University)

Firms using the Lean methodology often only use descriptive statistics as one of their tools. This paper identifies reasons that act as barriers to adopting predictive models and offers suggestions to overcome the barriers.

6

Saturday, Nov 21st, 2015, 8:30-10:00 a.m. | Diamond A

EDUCATION-CURRICULUM: Curriculum Design Session

Chair: Hae Yeon Choi (Savannah State University)

Business Information Systems Curriculum: A Proposal

Full Paper

Mehdi Sagheb_Tehrani (Columbus State University)

Seventy two (72) IS programs are evaluated in the United States. The main purpose is to compare these programs with 2010-IS model and show the differences that exist between these programs regarding core and elective courses credit hours.

Development and Assessment of Soft Skills in Business Schools: A Case Study

Full Paper

Tobin Porterfield (Towson University), Quincy Johnson (Towson University), Bob Graham (Johns Hopkins University), Dmitriy Nesterkin (D# Media)

We describe one AACSB-accredited business school's comprehensive approach toward development and implementation of an assessment process for behavioral skills. The methodology illustrates the process of developing program-level learning outcomes and appropriate assessment tools, and offers an effective strategy for other programs.

Is Accounting Education Failing Students? The Case for a Skills-Based Curriculum of 4C+1

Full Paper

Dov Fischer (Brooklyn College), Hershey Friedman (Brooklyn College)

Employers today demand a set of skills that will enable employees to be life-long learners. We advocate for a skills-based curriculum of the four C's identified as critical by employers: Communication, Collaboration, Critical Thinking, and Creativity. We add a fifth C for Character/Integrity which, contrary to popular belief, can be taught.

The Age of Data Hits the University Curriculum: The Development of a Cross-college Data Analytics Program

Full Paper

Brad Meyer (Drake University)

Universities are responding to the advancements in data analytics by creating programs at various levels. A cross-college undergraduate program in data analytics is described. The core of the program is computer science and statistics. The major includes a specialty area, such as bioinformatics, marketing, or economics.

7

Saturday, Nov 21st, 2015, 8:30-10:00 a.m. | Diamond B

EDUCATION-CURRICULUM: Educational issues in operations management and supply chain

Chair: Peter Haug (Western Washington University)

Industry and Academic Partnerships in Improving Manufacturing and Supply Chain Education

Abstract

Peter Haug (Western Washington University)

Industry partnered education relies on a systematic and responsive integration of university and business organizations. This paper describes the design process, structure, and significant growth in the Manufacturing and Supply Chain Management program at Western Washington University.

Integrating Entrepreneurship into Supply Chain Management and Logistics Curriculum to Expand Students' Entrepreneurial Perspective

Abstract

Amy Z Zeng (Worcester Polytechnic Institute)

Entrepreneurship is rarely covered in supply chain/logistics classes, and yet the two subjects are closely interrelated. This talk reviews what entrepreneurial spirit and practice mean in higher education and describes several supply chain and logistics class projects that are developed based on real start-ups to enhance students' entrepreneurial mindset.

The Operations Game: A Role Play Simulation Approach to Teaching Undergraduate Operations Management

Abstract

William Miller (Georgia College & State University)

Ninety students in three sections of undergraduate Operations Management courses were assigned to 12 different industries with positions based on individual student majors. Qualitative analysis demonstrated that learning was enhanced through a process of asking specific questions relative to each course chapter focusing on each student's assigned position and industry.

8

Saturday, Nov 21st, 2015, 8:30-10:00 a.m. | Aspen

EDUCATION-CURRICULUM: Teaching and Learning Styles

Chair: Alan H. Jin

Active and Problem Based Learning and College Student Persistence

Full Paper

Laura Foltz (University of Tennessee at Martin), Charles Bryan Foltz (University of Tennessee at Martin)

This research replicates and extends earlier work focusing on the pedagogical practices of active and problem based learning and student outcomes including student institutional commitment, social integration, persistence, and student's perception of institutional commitment to student welfare.

MOOCs as Disruptive Innovation

Abstract

Kristina Setzekorn (Kaplan University), Nainika Seth Patnayakuni (Calhoun Community College)

Online education offers the potential for creative destruction in the Higher Education industry. Un-bundled knowledge work and relaxed constraints enable value chain reconfiguration, e.g., the UIUC-Coursera partnership's new iMBA, and ASU's embrace of online degrees. We will discuss emerging business models and strategies to leverage/ mitigate MOOCs' disruptive potential.

The Changing Business Model of B-Schools: On-Site v. Off-Site Curricula

Abstract

Seth Powless (University of Toledo), Sarah Schafer (University of Wisconsin Oshkosh), Terribeth Gordon Moore (The University of Toledo), Gary Insch (The University of Toledo)

We introduce empirical research that examines how partnering with local businesses and organizations to provide offsite degree programs can foster a host of outcomes: increased student enrollment, stronger business-academic relationships, and pedagogical innovations. Initial schema, academic outcomes, and future opportunities are analyzed and discussed with future research opportunities proposed

Using Sudoku as an Ice Breaker and a Learning Tool

Abstract

Kathryn Ernstberger (Indiana University Southeast), Munirpallam Venkataramanan (Indiana University-Bloomington)

Students embrace learning when educators make it enjoyable and engaging. Decision scientists have used Legos to teach linear programming and the beer game to teach supply chain management. We will demonstrate how to use Sudoku as an ice breaker while introducing important spreadsheet capabilities, evolutionary solver, and genetic algorithms.

9

Saturday, Nov 21st, 2015, 8:30-10:00 a.m. | Madrona

RESEARCH-HEALTHCARE: Many Roles of Technology in Healthcare

Chair: majid dadgar (Washington State University)

An Empirical Study on the Mobile Health with Post-Acceptance Model of IS Continuance

Abstract

pei-ling tsai

This study apply a post-acceptance model of information system continuance as the theoretical foundation and integrated external factors influencing the satisfaction, individual characteristics, technology characteristics and task characteristics in order to investigate which key factors impact medical practitioners sustained use of m-Health and individual performance after continued use of m-Health.

The Impact of Types of Network Structures on Healthcare Outcomes

Abstract

majid dadgar (Washington State University)

In this study I investigate the effect of network structures on healthcare outcomes, patient days in the hospital, mortality rate, and financial outcomes of operational cost, administrative and clinical cost. I draw on theory of network effectiveness to explain the relationships between network structures and their effects on healthcare outcomes.

Effect of Standardization on Efficiency of Hospitals for Purchasing Implantable Medical Devices

Abstract

Vafa Saboorideilami (Dominican University of California)

Extant studies on standardization of implantable medical devices are mainly conceptual. This study analyzes data from 400 hospitals in US and shows that there is a significant association between standardization and efficiency of surgical IMDs. This is among the first studies that empirically test this relationship at Operating Room level.

10

Saturday, Nov 21st, 2015, 8:30-10:00 a.m. | Redwood B

RESEARCH-HUMAN RESOURCES: Culture and the Global Workplace

Chair: Sayalee S Gankar (MIT SCHOOL OF MANAGEMENT PUNE INDIA)

Analyzing the Impact of Work Values on Strategic HR Practices: Study of the Causal Relationship on Gen Y Employees in India*Abstract*

Sayalee S Gankar (MIT SCHOOL OF MANAGEMENT PUNE INDIA), Soumi Rai (National Institute of Construction Management)

This study explores the concept of differing work values and its causal effect on Strategic HR practices through a study sample of Gen Y employees in the age cohort of 20yrs-30yrs based in India.

Management Attribute and Leadership Effectiveness: a Case Study of Two Thailand Corporations*Abstract*

Tipparat Laohavichien (Kasetsart University)

This research compares two Thai corporations -a state enterprise that provides air traffic control and aeronautical communication services and a public company which operates an airline business. The following are compared: leadership effectiveness; management attributes (knowledge, skill, behavior and values) and the relationship between management attribute and leadership effectiveness.

Relationship between Culture, Work Method, Self-efficacy, and Performance: A Comparison of the United States and the People's Republic of China*Full Paper*

Cha-Jan Chang (University of Nevada, Las Vegas), Reza Torkzadeh (University of Nevada, Las Vegas), Zhi Xiao (Chongqing University), Honghui Deng (University of Nevada, Las Vegas)

The relationships between culture, work method, self-efficacy, and individual performance were examined. Evidences suggest that individualists performed better in group work and collectivists performed better in individual work. The findings lead to a greater understanding of how people's self-efficacy and their actual performance is influenced by culture and work method.

The Relationships between Metacognition, Expatriate Adjustments, and Performances under Global Forms of Employment*Full Paper*

Young Sik Cho (Jackson State University)

This study investigates how metacognition influences on expatriates' adjustments and their outcomes under global forms of employment. This study is designed to test the impacts of metacognitive ability on expatriate adjustments by using structural equation modeling analysis. The metacognitive mechanism on the relationship between expatriate's adjustment and performance is also discussed.

11

Saturday, Nov 21st, 2015, 8:30-10:00 a.m. | Ravenna B

RESEARCH-SOCIAL MEDIA: Big Data, Social Media and Decision Making

Chair: Hyunjong Woo (Hankuk University of Foreign Studies)

Big Data Identity and its Relationship to Decision Confidence*Abstract*

Hyunjong Woo (Hankuk University of Foreign Studies), Tae Hyoung Kwon

The purpose of this study is to make data dimension clear in the big data conceptualization and implementation and to propose a newly formulated model regarding the relationship between its attribute dimensions and decision confidence.

Predicting the helpfulness of online hotel reviews*Abstract*

Ya-Han Hu (National Chung Cheng University), Kuanchin Chen (Western Michigan University), Mike Tarn (Western Michigan University)

User generated content (UGC) on the Internet has become an increasingly useful resource for business and strategic reasons. The purpose of this study is to develop a model to more accurately predict hotel review helpfulness.

Using social media to improve entrepreneurial customer interactions, customer capital and business performance

Full Paper

Yan Jin (Elizabeth City State University), Erika Marsillac (Old Dominion University)

Based on theories of social capital and planned behavior, this paper develops a model explaining the social media-based entrepreneur-customer interaction and depicting the cognitive process of an entrepreneur's adoption of social media and the influence of that adoption on business performance.

Big Data and Causality

Abstract

Xuan Wang (Louisiana State University), Helmut Schneider (Louisiana State University)

In the past decade, Big Data Analytics has mainly focused on data mining to make better predictions. This research explores analytical techniques to discover causal relationships and focuses on challenges of interpreting correlational relationships in big data and discusses methods that help to distinguish between correlational and potential causal effects.

12

Saturday, Nov 21st, 2015, 8:30-10:00 a.m. | Greenwood

WORKSHOP: Cultural Intelligence & Global Supply Chain Management

Workshop Coordinator: Peggy Daniels Lee (Indiana-Purdue University Indianapolis)

Presenter: Charlotte Fay Westerhaus-Renfrow (Indiana-Purdue University Indianapolis)

13

Saturday, Nov 21st, 2015, 8:30-10:00 a.m. | Cedar A

WORKSHOP: Integrating Games and Interactive Functionality to Improve Learning Outcomes in Distance Learning OM and IT courses

Workshop Coordinator: Janice Cerveny (Florida Atlantic University - College of Business)

Presenter: Robert Cerveny (Florida Atlantic University)

14

Saturday, Nov 21st, 2015, 8:30-10:00 a.m. | Cedar B

WORKSHOP: Teaching Sustainable Business

Workshop Coordinator: John D. Wood (Econautics Sustainability Institute (ESI))

Presenter: Nada Sanders (Lehigh University)

Saturday, Nov 21st, 2015, 10:00-10:30 a.m

15

Saturday, Nov 21st, 2015, 10:00-10:30 a.m. | Metropolitan Ballroom (Break Area)

COFFEE BREAK 1: Saturday Morning

16

Saturday, Nov 21st, 2015, 10:00 a.m.-5:00 p.m. | Capitol Hill

CONSORTIA: New Faculty Development Consortium

Chairs: Constantin Blome (University of Sussex), Rohit Verma (Cornell University)

Saturday, Nov 21st, 2015, 10:30 a.m.-12:00 p.m.

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Saturday, Nov 21st, 2015, 10:30 a.m.-12:00 p.m. | Ravenna A

CONSORTIA-PROJECT MANAGEMENT: Managing Strategic Project Initiatives: A Guide for Developing Undergraduate Curriculum

Moderator: Carla Messikomer (Project Management Institute)

Panelists: Vijay K Kanabar (Boston University), Arthur Thomas (Syracuse University), Linh Luong (City University of Seattle)

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Saturday, Nov 21st, 2015, 10:30 a.m.-12:00 p.m. | Ballard

CONSORTIA-STATISTICS BUSINESS SCHOOLS: Experiences with a Variety of Technologies Designed to Aid Instruction

Moderator: Robert Andrews (Virginia Commonwealth University)

Panelists: James Evans (University of Cincinnati), David Stephan (Two Bridges Instructional Technology), Joan Donohue (University of South Carolina)

19

Saturday, Nov 21st, 2015, 10:30 a.m.-12:00 p.m. | Diamond A

EDUCATION-CURRICULUM: Educational Issues in Business Analytics

Chair: Joseph Mollick (Texas A&M University-Corpus Christi)

Developing Business Analytics Courses or Certifications Program

Abstract

Hae Yeon Choi (Savannah State University)

This research is aimed at developing business analytics courses or certifications program for information systems major. The study will focus on the following research questions: what levels of courses, how many courses, and what elements of statistical, analytical, data visualization, and communication skills it will include in the program?

Location Analytics Across the Curriculum

Abstract

Hindupur Ramakrishna (University of Redlands), Avijit Sarkar (University of Redlands), Bindiganavale Vijayaraman (University of Akron)

We present a model for implementing location analytics across the curriculum in business programs. The model is derived from a meta-analysis of research on other cross-the-curriculum (such as writing, ethics, computing, etc.) initiatives and their implementations.

Teaching Business Analytics Courses in Business Schools--Findings from Syllabi and instructor interviews

Abstract

Joseph Mollick (Texas A&M University-Corpus Christi)

Findings from the analysis of syllabi of courses related to business analytics and data mining for business intelligence are summarized and analyzed. Interviews of professors who teach courses in the area of business analytics and data mining for business intelligence are summarized and interpreted.

Use of Case Writing Projects in Teaching Data Mining for Business Intelligence

Abstract

Joseph Mollick (Texas A&M University-Corpus Christi)

Abstract: Findings from the use of case writing projects in teaching data mining for business intelligence are shared. Data mining application ideas that are written as mini cases are summarized and analyzed.

20

Saturday, Nov 21st, 2015, 10:30 a.m.-12:00 p.m. | Diamond B

EDUCATION-CURRICULUM: General Educational Issues

Chair: Alan H. Jin

A Research-Based Approach to Teaching Critical Thinking in Strategic Management

Full Paper

arifin angrawan (Purdue University Calumet)

I develop an integrated approach to teaching critical thinking in strategic management. I found that both the content and course design facilitate critical thinking in strategic management. I also found the mediation effects of pedagogy and practices.

An Examination of the Impact of Faculty Approaches to Teamwork Development on Teamwork Quality and Success in Business Education

Full Paper

Dewayna Horn (Texas Woman's University), Katherine K. Rose (Texas Woman's University)

This study examines student perceptions of efforts of faculty in developing and administering student teams and the relationship to teamwork quality, team performance, and individual learning and success. Based on these discussions, we will propose some hypotheses regarding the relationships under investigation.

Introducing Basic Statistical Concepts Using Person Space Geometry

Abstract

Louis Glorfeld (University of Arkansas-Fayetteville), Doug White (Roger Williams University)

A little recognized and infrequently used approach to introducing elementary statistical concepts is through the use of N-dimensional geometry. This approach distinguishes itself from the usual geometric representation by using the observations themselves as coordinate axes and the variables as vectors plotted in the observation space.

Live Cases: A Combination of Guest Speaker and Case

Abstract

Margaret Cunningham (Xavier University), Alan H. Jin

A guest speaker describes to the class a case-like current or recent decision scenario faced by his or her organization. Students in groups analyze the case during class, interacting with the speaker. Students then prepare a written case report, to be graded by the instructor and shared with the speaker.

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Saturday, Nov 21st, 2015, 10:30 a.m.-12:00 p.m. | Madrona

RESEARCH-HEALTHCARE: Need for Improvement in Healthcare Operations

Chair: Dinesh Pai (Penn State Harrisburg)

Do Operationally Efficient Hospitals Show Better Financial Performance?

Full Paper

Dinesh Pai (Penn State Harrisburg), Hengameh M Hosseini (Penn State Harrisburg)

The paper examines the performance of 78 U.S. hospitals via a two-stage DEA hospital production process that evaluates operational performance in the first stage and financial performance in the second stage. The effect of hospital size on operational and financial performance is revealed by evaluating both technical and scale efficiencies.

Implications of different measures on healthcare resource allocations

Abstract

Carol J Cagle (Mercer University), Faye A. Sisk (Mercer University)

Rural vs. urban classifications create discrepancies in reporting health care outcomes. We compare and contrast the results of three (3) different measures of population classification and the effects that these differences have upon reporting mortality and morbidity outcomes, ultimately impacting the allocation of health care services.

Increasing Capacity Through Changes in Order of Selection Policies

Abstract

Franklin Thomas Warren (Virginia Tech), Roberta S Russell (Virginia Tech), Quinton Nottingham (Virginia Tech)

Federal law requires that states provide vocational rehabilitation (VR) for their disabled population. Restrictions on how these services are administered include the order in which clients are selected for admission. We simulate VR operations to determine if altering order of selection policies can increase both goal achievement and client throughput.

The Impact of ICU Utilization on Patient Outcomes with Advanced Respiratory Disorders

Abstract

Chris McDermott, Gregory Stock (University of Colorado Colorado Springs), Kusum Mathews (Icahn School of Medicine at Mt Sinai)

Using data from more than 150,000 cases and 375 hospitals, we explore the impact that ICU utilization has on the outcomes (cost, mortality, length of stay) of patients presenting with more advanced respiratory disorders. Results show ICU use interacts with severity levels and has varying relationships with different outcomes.

22

Saturday, Nov 21st, 2015, 10:30 a.m.-12:00 p.m. | Redwood B

RESEARCH-HUMAN RESOURCES: Diversity and Organizations

Chair: Sayalee S Gankar (MIT SCHOOL OF MANAGEMENT PUNE INDIA)

An Investigation of the Impact of Team Members' Multiculturalism and the Diversity of Outside Ties on Team Creativity

Abstract

Azadeh Zamanian (University of Texas - Rio Grand Valley), Jorge Gonzalez

This study investigates the effects of multiculturalism and team members' social category diversity of outside ties on team creativity and shows that different types of diversity can contribute differently to team outcomes, here creativity.

Gender Differences & Levels of Management's Perceptions of Justice and Their Impact on Organization Sustainability

Abstract

Silva Karkoulian (Lebanese American University), Rania El Haddad (Lebanese American University), Guy Assaker (Lebanese American University (LAU))

This study aims to determine whether implementing a 360 degree appraisal system leads to sustained levels of justice within the organization for the long run. This study also explores the moderating effects of gender and the different management levels. A sample of 300 employees was used. The results are presented in the paper.

Increasing Faculty Diversity Through the Use of Social Networking

Abstract

Denise Philpot (West Texas A&M University)

We are role models in the classroom. Universities promote diversity and inclusion among students as a way of enriching the student experience. Demonstrating commitment to inclusion through faculty diversity can be challenging. We examine industry use of social networking for recruitment and how to use it to increase faculty diversity.

Women Representation in IS Leadership Positions – A Comprehensive Analysis

Abstract

Erastus Karanja (North Carolina Central University), Jigish S Zaveri (Morgan State University)

This comprehensive study analyzes the representation of women in the IS/IT leadership positions using two independent and objective data sets: first data set includes the number of women graduating with in IS/IT-related fields and the second incorporates the number of women who were hired as IT leaders.

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Saturday, Nov 21st, 2015, 10:30 a.m.-12:00 p.m. | Columbia

RESEARCH-OPERATIONS MANUFACTURING: Supplier Relationship Management

Chair: Eman Nasr (Wilfrid Laurier University)

A Case Study Approach to Supplier Selection for Product Design

Full Paper

Shad Dowlatshahi

This paper focuses on the role of suppliers and their impact in developing prototype product design under the condition of uncertainty where the parameters of the product design are not fully known.

Buyer-Supplier Transactional and Innovational Relationships.

Abstract

Eman Nasr (Zayed University), Marc Kilgour, Hamid Noori (Wilfrid Laurier University)

Buyer-supplier relationships can be transactional or innovational, which have thus far been isolated in the literature, ignoring the significant interrelationships among the two. We construct a cooperative game model that challenges Shapley's linearity axiom suggesting that credible threats/ promises from one game may affect decisions and outcomes in the other.

Effects of Consumer Awareness and Supply Chain Coordination Strategy on Pollution Abatement Efforts

Full Paper

Bowon Kim (KAIST), Jeong Eun Sim (KAIST)

To understand the dynamics of the manufacturer's effort to reduce the pollution in a supply chain consisting of manufacturer, retailer, and consumers, we analyze four cases according to consumer awareness of pollution (environmentally aware versus ignorant) and supply chain strategy (competitive versus cooperative). Applying differential games, we derive managerial implications.

A cooperative approach to contagion risk management in supply chain

Abstract

Alireza Azimian (Wilfrid Laurier University), Marc Kilgour, Hamid Noori (Wilfrid Laurier University)

Rivals often benefit from each other's failures because of demand shifts, but some incidents may adversely affect an entire industry. A rival may decide not to adopt safety-measures because of financial constraints. We explore whether and when investment in a high-risk rival's safety-measures is a profitable mitigation strategy.

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Saturday, Nov 21st, 2015, 10:30 a.m.-12:00 p.m. | Cedar B

RESEARCH-ORGANIZATION BEHAVIOR: Knowledge, Communication, and Firm Performance

Chair: Rebecca Scott (University of North Carolina Wilmington)

The Impact of Tacit Knowledge Sharing on Job Performance

Abstract

Carol P. Huie (Hostos Community College - CUNY)

The success or failure of an organization is dependent on its ability to manage and motivate its employees. The thorny form of knowledge sharing is tacit knowledge. Managers recognize that obtaining this collective intelligence and skills of its employees is necessary to create a greater organizational knowledge base.

The Evolution of Team Cognitive Dynamics Over Time in a Complex Decision-Making Context

Abstract

Sara McComb (Purdue University), Eric Lavetti (Purdue University)

Team communication from a complex, multi-organizational decision-making context was utilized to examine team cognition in the decision making process. Transcripts and final reports from the first Joint Fighter Conference facilitated the analyses via an unadulterated narrative that contained knowledge creation and decision-making elements. Results highlight cognitive dynamics over time.

Does gender diversity matter in e-retail leadership?

Abstract

Nancy Southin (Thompson Rivers University), Salvador Barragan (Thompson Rivers University), Lesia Romaniuk

This study investigates the prevalence and positions of women in top management teams and on boards of directors of top firms in the e-retail environment. We present an overview of the positions occupied by women and discuss the impact of women in specific roles on these firms' performance.

Examination of the Relationship between Attention to Political Correctness and Communication

Abstract

Rebecca Scott (University of North Carolina Wilmington), Marisa Nowicki, Victor Prybutok (University of North Texas)
We examine how level of communication changes as a result of attention to political correctness. A discussion panel and a survey method were used to collect the data. The results show that there is a breakdown in communication levels with increasing attention political correctness.

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Saturday, Nov 21st, 2015, 10:30 a.m.-12:00 p.m. | Ravenna C

RESEARCH-PUBLIC POLICY: Issues & Implications Effecting U.S. Transportation Policy

Chair: Theodore P. Byrne (California State University-Dominquez Hills)

Drivers of Traffic Congestion Externality: Insights from The Freeway Game

Abstract

Francois C Giraud-Carrier (University of Illinois Springfield), Atul Agarwal (University of Illinois Springfield)
We study the behavior of commuters in a transportation system exhibiting congestion using The Freeway Game (www.thefreewaygame.com). The game has two mixed strategy Nash equilibriums. Using experiments, we investigate which player characteristics drive individual strategies. Our research provides insights for the resolution of externality-generated problems such as congestion.

Implementing US Fuel Economy Regulations: Stakeholder and Policy Synergies and Challenges

Abstract

Samuel D. Allen (Worcester Polytechnic Institute), William Chernicoff (Energy & Environmental Research Group)
The impacts of changes in fuel economy policy and technology are explored using a system dynamics (SD) approach. An SD model used by regulators designing CAFE Standards beginning in 1975 is compared to more recent SD work in automotive markets and integrative policy modeling.

The Effect of Deregulation on Competition and Productivity in U.S. Transportation Industry

Abstract

Seungjae Shin (Mississippi State University-Meridian)
In the U.S. transportation industry, deregulation started in 1976. The abolishment of ICC in 1995 was a milestone for boosting competition in the industry. This paper investigates a competition level of the transportation industry with C4 concentration ratio and productivity of transportation industry with financial statement data.

U.S. Government Budget Sequestration Revisited: Developing Federal Agency Budgets during Uncertain Times and Limited Fiscal Resources

Abstract

Theodore P. Byrne (California State University-Dominquez Hills)
The United States' 2013 budget sequestration dramatically reduced the operating budgets of most federal government agencies. Though the continued imposition of budget sequestration has been temporarily suspended by Congress, the mandatory provisions of budget sequestration still exist. This paper examines federal government budgeting during these times of fiscal uncertainty.

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Saturday, Nov 21st, 2015, 10:30 a.m.-12:00 p.m. | Ravenna B

RESEARCH-SOCIAL MEDIA: Digital Marketing

Chair: KATE LI (Suffolk University)

Bayesian Inference for Assessing Effects of Email Marketing Campaigns*Abstract*

Jiexing Wu, KATE LI (Suffolk University), Jun Liu

Email marketing has been an increasingly important tool for today's businesses. We propose a count-process-based Bayesian method that explicitly captures the seasonality of data, accounts for the impact of customer characteristics, and estimates the effect of email campaigns and the interactions between email offer and customer characteristics.

Brand Development through Online Consumer Engagement*Abstract*

Kamer Yuksel (University of Otago)

A case involving a major US consumer goods company and its Super Bowl campaign is presented. In total 1,368 Facebook posts from 1,163 documents are analyzed with the aid of SAS text miner, to identify engagement motivations. Our research enhances understanding of brand development in the presence of consumer engagement.

Examining the Social Media Usage and Search Engine Marketing of the Top Online Retailers in North America*Abstract*

Anteneh Ayanso (Brock University), Leida Chen (California Polytechnic State University), Kaveepan Lertwachara (Cal Poly San Luis Obispo)

We examine the social media and search engine marketing among online retailers in North America. We focus on the relationship between social media usage, search marketing activities, and sales. We also analyze the demographics of the online customers to gain insights into the market segments targeted by these retailers.

The Use of People Like, Product Involvement and Web Localization on Users Attitude towards the Community Page*Abstract*

Jengchung Chen, Timothy McBush Hiele, Rachot Tantisuwat

We present the study on examining the users' attitude towards the Facebook community pages. This study has taken on board the attributes - people like, product involvement, and web localization, which all affect the essence of Internet users in community pages. We employ an experimental study using 320 Thai users.

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Saturday, Nov 21st, 2015, 10:30 a.m.-12:00 p.m. | Greenwood

WORKSHOP: Effective Teaching Methods

Workshop Coordinator: Khaled Alshare (Qatar University)

Presenters: Peggy L. Lane (Missouri Western State University), Michael Robert Lane (Missouri Western State University)

Saturday, Nov 21st, 2015, 10:45 a.m.-12:30 p.m.

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Saturday, Nov 21st, 2015, 10:45 a.m.-12:30 p.m. | Juniper

ADMINISTRATIVE MEETING: Western DSI Regional Annual Business Meeting

Chair: Debbie Gilliard (Metro State College of Denver)

Members: John Bell (University of Tennessee-Knoxville), Natasa Christodoulidou (California State University, Dominguez Hills), Albert H. Huang (University of the Pacific), Ömer S. Benli (Long Beach State University), Sheldon Smith (Utah Valley University), Salem Lotfi Boumediene (Montana State University Billings), Hamdi Bilici

Saturday, Nov 21st, 2015, 12:00-1:00 p.m

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Saturday, Nov 21st, 2015, 12:00-1:00 p.m. | Cirrus Room (Social and Reception Area)

LUNCHEON: Joint Consortia Luncheon

Saturday, Nov 21st, 2015, 1:00-5:00 p.m

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Saturday, Nov 21st, 2015, 1:00-5:00 p.m. | Willow B

CONSORTIA: Mid-Career Faculty Development Consortium

Chairs: Gyula Vastag (Szechenyi University), Amit Eynan (University of Richmond)

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Saturday, Nov 21st, 2015, 1:00-5:00 p.m. | Cirrus Ballroom

CONSORTIA: PhD Students Consortium Post-Proposal Defense Stage

Chairs: Marcus Rothenberger, Keong Leong (California State University, Dominguez Hills)

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Saturday, Nov 21st, 2015, 1:00-5:00 p.m. | Willow A

CONSORTIA: PhD Students Consortium Pre-Proposal Defense

Chairs: Scott Swenseth (University of Nebraska-Lincoln), John Olson (University of St. Thomas)

Saturday, Nov 21st, 2015, 1:30-3:00 p.m.

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Saturday, Nov 21st, 2015, 1:30-3:00 p.m. | Medina

ADMINISTRATIVE MEETING: Asia-Pacific DSI Regional Annual Business Meeting

Chair: Ja-Shen Chen (Yuan Ze University)

Members: Daesik Hur (Yonsei University), Thomas Callarman (CEIBS), Eldon Y. Li (National Chengchi University), Don Kerr (University of the Sunshine Coast), Anh Phan (Vietnam National University, Hanoi)

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Saturday, Nov 21st, 2015, 1:30-3:00 p.m. | Issaquah A

ADMINISTRATIVE MEETING: India Subcontinent DSI Regional Annual Business Meeting

Chair: Ravi Jain (Symbiosis Institute of Business Management, Hyderabad Campus)

Members: Ramachandran Natarajan (Tennessee Tech University), Bhimaraya A Metri (International Management Institute), G.V.R.K. Acharyulu (University of Hyderabad), Eknath Balu Khedkar (Savitibai Phule Pune University), Shailendra Kumar Rai (Management Development Institute), Abhijeet K. Digalwar (BITS, Pilani), Bapusaheb Shrihari Sawant (Institute of Management Studies & Research)

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Saturday, Nov 21st, 2015, 1:30-3:00 p.m. | Everett

ADMINISTRATIVE MEETING: Programs & Meetings Committee

Chair: Ina Markham (James Madison University)

Advisors: Johnny Rungtusanatham (The Ohio State University), Funda Sahin (University of Houston), Mahyar Amouzegar (Cal Poly Pomona), Tom Foster (Brigham Young University)

Members: Rebecca Duray (University of Colorado Colorado Springs), Shawnee Vickery (Michigan State University), Natasa Christodoulidou (California State University, Dominguez Hills), Srinivas Talluri (Michigan State University), Ardavan Asef-Vaziri (California State University, Northridge), Jennifer Blackhurst (University of Iowa)

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Saturday, Nov 21st, 2015, 1:30-3:00 p.m. | Ravenna A

CONSORTIA-PROJECT MANAGEMENT: Meet the Editors of the Project Management Journal

Moderator: Gary Klein (University of Colorado Colorado Springs)

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Saturday, Nov 21st, 2015, 1:30-3:00 p.m. | Ballard

CONSORTIA-STATISTICS BUSINESS SCHOOLS: Explain What It Means: Communication, Visualization, Presentation and Storytelling for Analysis Results

Moderators: Robert Andrews (Virginia Commonwealth University), Linda Boardman Liu (Boston College)

Panelists: Linda Boardman Liu (Boston College), Satish V Nargundkar (Georgia State University), Wilma Andrews (Virginia Commonwealth University), Kellie Keeling (University of Denver)

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Saturday, Nov 21st, 2015, 1:30-3:00 p.m. | Diamond A

RESEARCH-DATA ANALYTICS: Methodological approaches in statistics

Chair: John Dickinson (University of Windsor)

Review of mediation methods and evaluation of robustness of parameter estimates

Abstract

Lu Xu (UNT), Xiaotong Liu (University of North Texas), Robert Pavur (University of North Texas)

In this study, we firstly provide a review of mediation methods in three levels: conceptual, strategic and statistical. We then analyze the importance role of covariance in estimating parameters in mediation studies. Finally, we present a numerical example and a SAS simulation that evaluates the robustness of effect size estimates.

Sensitivity Analysis of Early and Late Response Bias within Structural Equation Modeling

Abstract

Benjamin George (University of North Texas), Rebecca Scott (University of North Carolina Wilmington), Victor Prybutok (University of North Texas)

The analysis of early vs. late respondents is standard practice for evaluating response bias. However, given the multivariate nature of data the standard approach to response bias detection has potential hazards. This research examines this concept and suggested approaches via a sensitivity analysis within the context of Structural Equation Modeling.

The Normalized Standard Deviation

Full Paper

John Dickinson (University of Windsor)

The standard deviation is standard (!) fare in basic statistics textbooks. The present research puts forth a modification of the ordinary standard deviation that greatly expands its usefulness.

Exploring new Survey Instrument Designs: Integrating Qualitative and Quantitative Elements

Abstract

Triss Ashton (University of Texas-Rio Grande Valley), Bartlomiej Hanus (Emporia State University), Benjamin George (University of North Texas)

The design of traditional survey instruments and the analyses of their results, while informative, are often inconclusive. They are incomplete in that the cause of the score is unknown. We explore the development of an alternative instrument that combines qualitative and quantitative characteristics delivering a more comprehensive environmental view.

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Saturday, Nov 21st, 2015, 1:30-3:00 p.m. | Leschi

RESEARCH-DECISION MODELS LOGISTICS: Facility Location

Chair: Trevor Hale (University of Houston-Downtown)

An activity-based approach for the capacitated flow-recharging location problem

Abstract

Cheng-Chang Lin (National Cheng Kung University), Rou-Sin Lin

We study an activity-based approach for the capacitated flow-recharging location problem with a queue. Our model a mixed binary program in a space-time network minimizes the sum of investment and travelers' generalized costs while meeting trip behaviors. The optimal solution is a tradeoff between investment costs and travelers' waiting time.

Modeling Location Diffusion, Resource Allocation and Rebalance in Car Sharing Industry-A Zipcar Example and Analysis

Abstract

Wei Chen (York College of Pennsylvania)

In this study, we build two novel models to tackle three operations questions in car-sharing industry: 1). Car Station Location Selection;2).Car Station Size; 3). Imbalance Car redistribution. Our models require less inputs and offer a quick analytic result to answer three issues.

Reshoring and Insourcing: Drivers and Future Research Directions

Full Paper

Kai Foerstl (German Graduate School), Jon Kirchoff (East Carolina University), Lydia Bals (Hochschule Mainz)

Reshoring/insourcing decisions have been discussed in the popular press, but limited in the academic literature. The purpose of this research is to explore the underlying drivers of reshoring/insourcing decisions and to provide a future research agenda to further analyze the impact of reshoring and insourcing decisions on supply chain structures.

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Saturday, Nov 21st, 2015, 1:30-3:00 p.m. | Madrona

RESEARCH-HEALTHCARE: Not Just a Healthcare but an Operations Management Challenge

Chair: Salar Ghamat (University of Western Ontario)

Bone Marrow Transplant with Finite Waiting Rooms

Abstract

Bo Li (Texas A&M University), Antonio Arreola-Risa

We model the bone marrow transplantation division of a medical research center as a queuing system with random patient arrivals and random lengths of stay. We consider settings with fixed number of patient waiting rooms and fixed/variable number of transplant rooms and maximize aggregated patient health benefits.

Contracts to Promote Quality Provision in Breast Cancer Treatment

Abstract

Salar Ghamat (University of Western Ontario), Greg Zaric, Hubert Pun (University of Western Ontario)

We design outcome oriented payment contracts to promote use of genetic tests in newly diagnosed breast cancer patients. We show that, by focusing on the health outcome, health care providers can reduce the unnecessary use of treatments that only cause toxicity while having no benefit to patients' health.

Focus, Competition and Quality in Healthcare

Abstract

Junghoon Song, Jurriaan De Jong (State University of New York at Buffalo), Nallan Suresh (University at Buffalo-SUNY)
This study examines the impact of focus on quality of care in acute-care hospitals. We used in-patient discharge data from Statewide Planning and Research Cooperative System which covers over 200 hospitals in New York State. Additionally, we investigate whether and under which conditions competition drives hospitals towards a "focused factory" concept.

Integration in Healthcare Supply Chains

Abstract

Yousef Abdulsalam (Arizona State University)

In healthcare systems, multiple types of integration (horizontal integration, buyer-supplier integration, physician-system integration) present different venues for improving supply chain performance. A multilevel regression modeling technique is applied to a secondary dataset of U.S. hospitals to measure and assess the impact of integration types on hospital supply chain costs.

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Saturday, Nov 21st, 2015, 1:30-3:00 p.m. | Redwood B

RESEARCH-HUMAN RESOURCES: Retention, Turnover and Absenteeism

Chair: Anju Mehta

Human Resource Management Strategies of a Start-up and Job Retention: The Moderator Role of the Millennial Mindset

Full Paper

Wei Wang, Sandra Gutierrez-Wirsching (Texas A&M International University)

Facing a high turnover of millennial employees, start-up enterprises in the U.S. need to find means to improve the employees' job engagement and retention by using human resource management strategies. This study develops a model based on extant management theory, and proposes a blueprint using human resource management for start-ups.

The Impact of Hostile Environment Sexual Harassment Ubiquity and Frequency on Attitude towards Absenteeism and Actual Absenteeism

Full Paper

Albi Alikaj (Texas A&M International University), Prity Patel (Texas A&M International University), Jacqueline Mayfield (Texas A&M International University), Milton Mayfield (Texas A&M International University)

This study measures the relationship between hostile environment sexual harassment (HE:SH) and absenteeism. We measure two major aspects of HE:SH, ubiquity and frequency, as well as attitude towards absenteeism. We found that attitude towards absenteeism mediates the relationship between HE:SH frequency (but not ubiquity) and actual absenteeism.

The Mediating Role of Change-Specific Cynicism in Relationship between Employees' Change Perceptions and Turnover Intentions

Full Paper

Anju Mehta

We examined how employees' perceptions regarding frequency and impact of change influence change-specific cynicism, and in turn, their turnover intentions under continuous change. Data were collected from 350 employees in six outsourcing companies. Results indicated that employees' change perceptions predicted turnover intentions, and change-specific cynicism fully mediated this relationship.

Work-Life Integration Benefits: An Exploratory Study of Selected Employee Outcomes

Full Paper

Wei Ning (Texas A&M International University), Efrain Medina (Texas A&M International University), Jacqueline Mayfield (Texas A&M International University), Milton Mayfield (Texas A&M International University)

There has not been a study investigating and compares the effectiveness of work-life benefits. The current study contributes to the work-life literature by identifying the work-life benefits that are more influential on employee outcomes. The results show that there is no best work-life benefit. Implications and limitations are also discussed.

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Saturday, Nov 21st, 2015, 1:30-3:00 p.m. | Juniper

RESEARCH-OPERATIONS STRATEGY: SCOR: A Research Agenda

Moderator: Barbara Flynn (Indiana University)

Panelists: William Newman (Miami University), Barbara Flynn (Indiana University)

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Saturday, Nov 21st, 2015, 1:30-3:00 p.m. | Cedar B

RESEARCH-ORGANIZATION BEHAVIOR: Experience, Judgment, and Decision Making Across Cultures and Contexts

Chair: Rahul Chandra Sheel (XLRI)

Task Performance in Knowledge Intensive Environments: An Empirical Analysis of the Interplay between Worker and Managerial Experience

Full Paper

Juan Madiedo (IE Business School), Aravind Chandrasekaran (The Ohio State University), Fabrizio Salvador (IE Business School)

We investigate how, in knowledge intensive environments, workers' ability to leverage past experience for executing work tasks is influenced by managerial experience leading tasks. Analysis based on over 1500 software maintenance tasks indicate the presence of a strong interaction between workers' experience and managers' experience on worker execution times

Decision making among academicians in selecting an academic conference to attend

Abstract

Rahul Chandra Sheel (XLRI)

I present a paper using conjoint analysis to examine the parameters academicians use to select and attend an academic conference. This paper is a combination two techniques - qualitative enquiries to generate different parameters and conjoint analysis to determine most influential parameters.

Merits and Demerits of Human Judgment in Retail Store Replenishment Ordering

Abstract

Antti Tenhiala (IE Business School), S. Aggarwal (IE Business School)

Using multi-site longitudinal data from an upscale supermarket chain, this study examines the positive and negative performance effects of different reasons why managers decide to deviate from the inventory replenishment proposals of an automatic store replenishment (ASR) system. The results contribute to the body of knowledge on managerial decision-making biases.

Exploring the Use Intention of Mobile Commerce Purchase through Cultural Differences - Comparison of China and U.S.

Abstract

Chang-Yao Wu (TungFang Design Institute), Tienhua Wu (Air Force Institute of Technology)

The goal of this study is twofold. We first explore the key factors affecting mobile purchase use intention. Second, this study analyzes how cultural difference influences mobile commerce purchasing intentions between Chinese and American consumers. This study contributes to provide new managerial insights to M-commerce from a cultural difference perspective.

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Saturday, Nov 21st, 2015, 1:30-3:00 p.m. | Ravenna C

RESEARCH-PUBLIC POLICY: Public Policy and Administration Issues Involving Societies and Innovation Policy

Chair: Theodore P. Byrne (California State University-Dominquez Hills)

A Comparison of the Information Societies of China and India

Abstract

James Pick (University of Redlands), Avijit Sarkar (University of Redlands)

We present comparative analysis of the information societies of the provinces of China and the states of India. The digital divide in both nations is analyzed and contrasted using multivariate and geospatial methods. Policy recommendations are presented and implications contextualized in relation to findings on telecommunications landscape in both countries.

A policy Network Analysis of China's IGT Innovation Policy: evidence from China 1991-2013

Abstract

Fan Xia

This paper examines the case of China which is embarking on a new phase to building its industrial innovative capacity through a series of policy especially Industrial Generic Technology (IGT) policy design and implementation.

The role of logistic policies in population displacement Abstract

Abstract

Gyöngyi Kovács (Hanken School of Economics), Alain Vaillancourt (Hanken School of Economics)

The paper uses a regression model to investigate the link between development aid, violence, conflicts and internally displaced people. The multivariate model presented shows a link between the development aids carried out in transportation and storage and a reduction in the total number of people displaced.

Local leaders during political changeover: resolving disagreements

Abstract

Bhaskar Chakrabarti (Indian Institute of Management Calcutta), Suman Nath (Haldia Government College)

The local government in India shows complex interactions between administrative and elected representatives. In this paper, we analyze the way power and hegemony operate by studying local decision-making processes in a changing political context. Our analysis reveals four strategies that local leaders adopt to resolve administrative and political disagreements.

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Saturday, Nov 21st, 2015, 1:30-3:00 p.m. | Ravenna B

RESEARCH-SOCIAL MEDIA: Social Media

Chair: CHEN LIN

What drives social network sites penetration and adoption? A cross country analysis

Full Paper

Jie Zhang (University of Texas at Arlington), Xianghua Wu, Godwin Udo (University of Texas at El Paso), Kallol Bagchi (University of Texas at El Paso)

The present study investigates the effects of four factors (Internet users, mobile users, GDP per capital, and governance index) on SN adoption using three regression models on data sets from two clusters of nations (high income and low-medium income).

Understanding of Technological Opinion Leadership

Abstract

Ramendra Thakur (University of Louisiana Lafayette), arifin angriawan (Purdue University Calumet), John H Summey (Southern Illinois University)

We have tested several relationships between constructs personal innovativeness, technological innovativeness, gadget lovers, and technological innovativeness using two samples, a student and a national sample. Results from both the studies supported our hypotheses. Implications for managers and scholars are presented.

Antecedent and Consequence of Social Networking Site Value

Abstract

Rupak Rauniar (University of Houston-Victoria), Greg Rawski (University of Evansville), Don Hudson

The study hypothesize that communal orientation of the user, presence of critical mass are important factors to explain social networking site value for the user and the actual usage.

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Saturday, Nov 21st, 2015, 1:30-3:00 p.m. | Diamond B

RESEARCH-SUPPLY NETWORKS: Ethics and Sustainability in Strategic Sourcing and Supply Networks

Chair: Robert Bregman (University of Houston)

An Analysis of the Effects of Global Sourcing Practices on Ethical Consumption in the United States

Full Paper

Robert Bregman (University of Houston), Xiaosong Peng (University of Houston)

This research evaluates consumer perceptions and responses to common global sourcing practices in order to explain the ethical consumption phenomenon. We extend the Hunt-Vitell model of ethics to establish a structural equation framework of consumers' ethical decision-making.

Social and Environmental Supplier Selection Criteria to Support the Triple Bottom Line

Abstract

John Visich (Bryant University), Pedro Reyes (Baylor University), Qiannong Gu (Ball State University)

Supplier selection criteria have traditionally focused on cost metrics, but due to the increased importance of sustainability, criteria have now come to include the planet and people. In this research we present supplier selection criteria that focus on environmental and social performance measures to support sustainable supplier selection.

Market Process in Reverse Supply Chains for Electronic Waste

Abstract

Patrick O'Reilly (Colorado School of Mines)

Electronic waste streams have been modeled as reverse of supply chain networks of fixed supply. Here, supply is modeled as a stochastic function of scrap value. Through a decentralized network formulation recycling electronic waste, this paper considers the influence of transaction costs on the choice between contracting and vertical integration.

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Saturday, Nov 21st, 2015, 1:30-3:00 p.m. | Kirkland

RESEARCH-SUSTAINABILITY: Product Design and Sustainability

Chair: Nagesh N. Murthy (University of Oregon)

By-Product Design and Environmental Sustainability

Abstract

Sandeepkumar Jagani (University of Toledo)

This research is built upon McDonough and Braungart's cradle-to-cradle (C2C) concept. Firms that generate large amount of waste can be environmentally sustainable developing by-products from wastes. I test the impact of sustainable product design, sustainable process design and by-product design on firms' environmental sustainability.

Impact of supply chain competition on green product and process design

Abstract

Wenge Zhu (Cal Poly Pomona), Yuanjie He (California State Polytechnic University, Pomona)

With analytic models, this paper explores how supply chain vertical and horizontal competition affects the product "greenness" from either green product or green process design. It is shown that in some cases, competition enhances sustainability goal; while in other cases, competition hurts sustainability goal.

The Role of Redesign Function in Remanufactured Products

Full Paper

Shad Dowlatshahi

The purpose of this study is to identify constructs associated with the redesign of remanufactured products. The exploratory case study used in this paper was based on the inductive research methodology. The product redesign is divided into specific product redesign constructs as the building blocks of our analysis.

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Saturday, Nov 21st, 2015, 1:30-3:00 p.m. | Virginia

RESEARCH-SUSTAINABILITY: Sustainability in the Supply Chain

Chair: Frank Wiengarten (ESADE)

Mediating Role of Social Sustainability Performance on Reputation

Full Paper

Robert Sroufe (Duquesne University), Venugopal Gopalakrishna-Remani (University of Texas at Tyler)

A PLS analysis of fortune 500 companies reveals that sustainability management leads to improved social sustainability performance and thereby leads to improved sustainability reputation.

Operationalizing Sustainability for Integrated Bottom Line Performance

Full Paper

Robert Sroufe (Duquesne University)

Information within this study examines the perceptions of sustainability professionals as they engage stakeholders in operationalizing sustainability. The issues of "why" and "how" sustainability are enabled within large, multinational organizations is studied through interviews to uncover interrelated connections to integrated performance through the evolution of contemporary and future performance systems.

Understanding the Role of Institutional Pressures and Organizational Value in the Corporate Environmental Strategy

Abstract

JING DAI (The University of Nottingham, China Campus), Hing Kai Chan, W.C. Rachel Yee (The Hong Kong Polytechnic University)

Drawing upon organizational value and institutional theory, this study investigates how institutional pressures motivate the firm to adopt proactive environmental management strategy and how such effects are moderated by organizational value.

Achieving Sustainability and Cost Efficiency through Sourcing Plan and Supplier Development

Abstract

Gang Li (Bentley University), Yu Xia (Northeastern University)

We study a supplier selection problem that achieves sustainability and cost efficiency simultaneously. We introduce the Environmental, Social, and Governance (ESG) index as a measure of sustainability and adopt the frontier approach to address the dual objectives. A nonlinear integer programming model and efficient algorithms are developed and tested.

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Saturday, Nov 21st, 2015, 1:30-3:00 p.m. | Greenwood

WORKSHOP: Games and Gamification of Online OM Courses

Workshop Coordinator: Joe Felan (University of Arkansas at Little Rock)

Presenter: Ahmad Naeem Bajwa (University of Arkansas at Little Rock)

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Saturday, Nov 21st, 2015, 1:30-3:00 p.m. | Redwood A

WORKSHOP: Publishing in DSIJIE

Workshop Coordinator: Vijay Kannan (Utah State University)

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Saturday, Nov 21st, 2015, 1:30-3:00 p.m. | Cedar A

WORKSHOP: Student Engagement in Online Graduate Education

Workshop Coordinator: Peggy Daniels Lee (Indiana-Purdue University Indianapolis)

Saturday, Nov 21st, 2015, 3:00-3:30 p.m.

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Saturday, Nov 21st, 2015, 3:00-3:30 p.m. | Metropolitan Ballroom (Break Area)

COFFEE BREAK 2: Saturday Afternoon

Saturday, Nov 21st, 2015, 3:30-5:00 p.m.

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Saturday, Nov 21st, 2015, 3:30-5:00 p.m. | Cedar B

ADMINISTRATIVE MEETING: DSJ Editorial Meeting

Chair: Thomas Stafford (University of Memphis)

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Saturday, Nov 21st, 2015, 3:30-5:00 p.m. | Everett

ADMINISTRATIVE MEETING: Fellows Committee

Chair: Manoj Malhotra (University of South Carolina)

Members: Asoo Vakharia (University of Florida), Nada Sanders (Lehigh University), Clyde Holsapple (University of Kentucky), Paul Nutt (The Ohio State University), Barbara Flynn (Indiana University), Timothy Smunt (University of Wisconsin-Milwaukee)

Chair Designate: Ram Narasimhan, Michigan State University

Ex-Officio: Johnny Rungtusanatham, The Ohio State University

Past Chair: Ken Kendall, Rutgers University

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Saturday, Nov 21st, 2015, 3:30-5:00 p.m. | Medina

ADMINISTRATIVE MEETING: Midwest DSI Regional Annual Business Meeting

Chair: David C. Chou (Eastern Michigan University)

Members: Xiaodong Deng (Oakland University), Jaideep Motwani (Grand Valley State University), Sufian Qrunfleh (Eastern Michigan University), Peggy Daniels Lee (Indiana-Purdue University Indianapolis), Robert G Stoll (Ashland University), Mark Dobeck (Cleveland State University), Charles Watts (John Carroll University), Eugene Fliedner (Oakland University), Ceyhun Ozgur (Valparaiso University), Sanjay Kumar (Valparaiso University)

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Saturday, Nov 21st, 2015, 3:30-5:00 p.m. | Ballard

CONSORTIA-STATISTICS BUSINESS SCHOOLS: AACSB Resources for Building an Undergraduate or Graduate Level Business Analytics Program

Moderators: Timothy Paul Cronan (University of Arkansas-Fayetteville), David Douglas (University of Arkansas)

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Saturday, Nov 21st, 2015, 3:30-5:00 p.m. | Redwood A

EDUCATION-CURRICULUM: Undergraduate Education

Chair: Hae Yeon Choi (Savannah State University)

Benefits and Challenges of Student Self-selected Projects as a Pedagogical Tool in Undergraduate Operations Management Class

Abstract

Alan H. Jin, Margaret Cunningham (Xavier University), Lifang Wu (Xavier University)

We experimented a pedagogical tool in our undergraduate operations management class: student self-selected operations analysis projects on local businesses. We then reported the students' perceived benefits and challenges based on the quantitative and qualitative feedbacks from the students. Overall, the students found this learning technique very beneficial and manageable.

Eroding Business Communication Skills among B-Students: Causes, Effects, and Solutions to Consider

Full Paper

Seth Powless (University of Toledo), Yuan Wang (University of Toledo), Terribeth Gordon Moore (The University of Toledo)

Business communication skills among interns and new employees are declining. There are a host of variable causes and many potential negative outcomes of this decline. Employers recommend new curricula and courses that address this challenge including technology integration and instruction. Considerations, implications, and solutions are discussed.

Factors Associated with Early Career Success for University Graduates

Abstract

J. Chris Sandvig (Western Washington University), Craig Tyran (Western Washington University)

We present research examining factors associated with early career success for university graduates. The research is based upon responses to an exit survey and a follow-up alumni survey administered to several thousand recent graduates of a mid-sized university located in the western United States.

The Feasibility of Correcting Item Difficulty for Chance in Published Banks of Multiple-Choice Questions

Full Paper

John Dickinson (University of Windsor)

In item analysis the measurement of an item's difficulty may be affected by students guessing the correct answer. Conceptual and empirical issues attending two methods for correcting for chance are raised and the extent to which the empirical issues are present in published banks of multiple-choice questions is investigated.

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Saturday, Nov 21st, 2015, 3:30-5:00 p.m. | Ravenna A

RESEARCH MARKETING: Understanding Market and Customer Requirements

Chair: Cary Countryman (Brigham Young University - Hawaii)

Effect of advertising policy on advertising spending efficiency

Abstract

Kyung-Ah Byun (The University of Texas at Tyler), Abdullahel Bari (The University of Texas at Tyler)

Advertising is a key component in return on investment assessments. Therefore, impact of advertising policy on advertising efficiency is of great interest to academics and practitioners. This study empirically explores the relationship for different industry using data envelopment analysis approach.

Managerial Segmentation of Service Offerings in Work Commuting

Full Paper

Steven Silver (San Jose State University)

This study implements multivariate procedures methodology to assess the relative importance of attributes of service offerings to a sample of work commuters. Results are then used to indicate how a market in work commuting can be segmented from user indications of the importance of attributes of service offerings.

University's online program marketing

Abstract

Jianfeng Wang, Michael Conaway, Andrew Gleason

In response to the interest of online program promotion, this undergraduate student research project chose a university's online graduate program. The results will be used to aid in deterring the most effective way to reach and attract potential students to the online program.

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Saturday, Nov 21st, 2015, 3:30-5:00 p.m. | Diamond A

RESEARCH-DATA ANALYTICS: Using analytics for process improvement

Chair: Xianghui Peng (University of North Texas)

A Meta-analytic and Latent Semantic Analysis to Develop Quality Management Theory

Abstract

Xianghui Peng (University of North Texas), Victor Prybutok (University of North Texas)

A meta-analytic examination of the Baldrige Quality Award empirical studies is conducted. The meta-analytic study includes an evaluation of the relationships among award categories. The award framework is structurally examined using latent semantic analysis to analyze winning applications. After comparing integrated results we identify opportunities for quality management theory development.

Decision Support Systems or Business Intelligence: A Text Mining Approach

Abstract

Natalie Gerhart, Benjamin George (University of North Texas)

Decision support systems are heavily researched but in the past decade, the term Business Intelligence became popular to describe something similar: tools to help organizations be strategic. To distinguish if the terminology is just a fad, we apply a text analytic methodology to abstracts of top journals to distinguish them.

Using Big-Data Analytics for Border Security

Abstract

Haibo Wang, Wei Wang

This study develops a comprehensive data aggregation and analysis system to provide the decision support for identifying hot spots of border security using a complex network model for transportation infrastructure in the border region and open source software R for modeling and analysis.

Effect of Sector Division on Air Traffic Controller Workload: A Study on Oman

Abstract

Asrar Al Hinai (Sultan Qaboos University), Asma Nasser Al-Zaidi (Sultan Qaboos University)

The dramatic air movement in the past few decades has imposed great pressure on the aviation industry. Using one of the most advanced simulation software, this study focuses on effect of these changes on Oman's aviation industry and at air traffic controller workload to determine future possible improvements.

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Saturday, Nov 21st, 2015, 3:30-5:00 p.m. | Leschi

RESEARCH-DECISION MODELS LOGISTICS: Designing Supply Chains and Logistics Networks

Chair: Li-Lian Gao (Hofstra University)

The K-Centra Location Problem on a Supply Network

Abstract

Trevor Hale (University of Houston-Downtown), Ryan Pepper (University of Houston - Downtown), Jennifer Blackhurst (University of Iowa), Faizul Huq (Ohio University)

The objective of this research is to delineate a procedure that will solve, contingent on a necessary and sufficient optimality condition, the k-centra facility location problem on a network. This research has application in the location of distribution centers on a supply network to improve service levels.

Drop and Swap Strategy in Distribution Network Design and Transportation Planning

Abstract

Li-Lian Gao (Hofstra University), E. Powell Robinson (University of Houston), Funda Sahin (University of Houston)

We consider drop and swap strategy in distribution network design. The fraction of total revenue retained at a customer zone depends on delivery distance. The use of drop and swap facilities extends the reach from warehouses to customers and reduces delivery distance. We present a profit-maximization model and solution procedure.

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Saturday, Nov 21st, 2015, 3:30-5:00 p.m. | Cedar A

RESEARCH-EMERGING INFORMATION TECHNOLOGY: Technical and Advanced Issues Related with Emerging Information and Manufacturing Technologies

Chair: Mohammad I. Merhi (Indiana University South Bend)

A Quasi-Experimental Study Comparing Smart Phone Keyboard Layouts

Full Paper

Mary L. Lind (NCA&T State University), Micheal S. Geary (Pensacola Christian College)

The purpose of this research is the evaluation of the performance and usability for an alternative keyboard layout on a smart phone compared to the dominant QWERTY layout on a smart phone when presented to users gradually versus immediately.

An Automated Decision Support System for Sensor-Based Irrigation Scheduling

Full Paper

Sandip C. Patel (Morgan State University)

We propose a layout for a fully automated sensor-based irrigation system for farms. A decision support system (DSS) that decides when to turn irrigation on and off is a missing link in such a system. We show how we designed, developed, and implemented such DSS under the Fulbright research program.

SEM-Neural network modeling to predict the mobile commerce adoption in Oman

Full Paper

Sujeet Kumar Sharma (Sultan Qaboos University), Srikrishna Madhumohan Govindaluri (Sultan Qaboos University), Rajan Yadav (Delhi Technological University)

This paper examines key determinants of consumer intention to adopt m-commerce services. Based on TAM and UTAUT, research model is developed. Research model was tested using survey data. Data were analyzed using SEM and neural network. Findings suggest that social influence and variety of services are important predictors of mobile commerce.

Additive Manufacturing management: A review and research agenda

Full Paper

Mojtaba Khorram Niaki (Sapienza University of Rome), Fabio Nonino

According to the phenomenal impacts of Additive Manufacturing in industries, most of the managerial approaches should be restructured. Therefore, the aim is to use systematic literature search to identify specific research domains of AM management, business and economic to understand the current state of progress and the future research directions.

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Saturday, Nov 21st, 2015, 3:30-5:00 p.m. | Jefferson B

RESEARCH-ETHICS: Leadership Ethics and Impact on Performance

Chair: Seleshi Sisaye (Duquesne University)

Corporate Social Responsibility in India - The Role of Top Management Support

Abstract

Barbara Withers (University of San Diego), Maling Ebrahimpour (University of Rhode Island)

We present results of our survey of Indian business professionals regarding the role of top management in the effectiveness of ethics codes on influencing socially responsible behaviors. Responses from 125 Indian managers were analyzed to determine whether top management commitment to CSR affects the eleven common behaviors associated with CSR.

Ethical Foundations of Competitive Advantage

Full Paper

Kuo-Ting Hung (Suffolk University), Jin Li (North Dakota State University), Chanchai Tangpong (North Dakota State University)

This study examines the influence of corporate ethical values, through strategic flexibility and top management's leadership competence, on firms' operational and financial performance. Results suggest that strategic flexibility and top management's leadership competence mediate the positive relationships between corporate ethical values and firms' operational and financial performance.

Impact of CSR Executives on CSR Performance: Who is the Right Person to do the Right Things?

Full Paper

Soolim Park (Korea University Business School), Yungu Kang (Korea University Business School), Jingoo Kang

Does existence of CSR executives make a difference? The results of our study indicate that existence of CSR executives strongly affects corporate social performance. Moreover, an insider is better than an outsider, and longer tenure is better than shorter tenure to perform the role of CSR executives.

Perceptions of Supervisor Behavior and Ethical Character: A Simulation Study of Employee Helpfulness

Abstract

Clare Francis (UND), David Hollingworth (University of North Dakota), Sean Valentine (UND)

To what extent does a supervisor's character and their behavior influence employee helpfulness? This study applies affect control theory and simulated social interactions between supervisors and employees to predict how employee perceptions of a supervisor's ethical character and behavior will affect the likelihood of employees engaging in helping behavior.

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Saturday, Nov 21st, 2015, 3:30-5:00 p.m. | Virginia

RESEARCH-GLOBAL SUPPLY CHAIN: Trends and Issues in Logistics/Transportation

Chair: Wendy Tate (University of Tennessee-Knoxville)

Moderator: Lisa Ellram (Miami University)

Trends and Issues in Logistics/Transportation

Invited Paper

Wendy Tate (University of Tennessee-Knoxville)

Panel will consist of experts in the fields of logistics/transportation to discuss the current trends and future issues facing global and domestic transportation and logistics professionals.

Panelists: John Bell (University of Tennessee-Knoxville), Mary Holcomb (University of Tennessee), William Rose (University College, Dublin)

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Saturday, Nov 21st, 2015, 3:30-5:00 p.m. | Aspen

RESEARCH-HEALTHCARE: Technology, Analytics, and then some

Chair: Marcos Paulo Valadares de Oliveira (Universidade Federal do Espírito Santo)

Analytics in healthcare: technology alone is not enough!

Full Paper

Marcos Paulo Valadares de Oliveira (Universidade Federal do Espírito Santo), Salma Haidar (Central Michigan University), Kevin McCormack (DRK Research/Northwood University), Marcelo Bronzo Ladeira (Universidade Federal de Minas Gerais), Claudia Xavier Cavalcanti (Universidade Federal do Espírito Santo)

Using the Information Processing Theory, a model was developed to evaluate analytics in healthcare. A survey instrument was distributed to Healthcare employees and structural Equation model was used to examine model's relationships. Additionally, leadership actively implementing Analytics Orientation was a key to impacting process innovation.

Data-Driven Decision Making at Triage: Toward Better Patient Streaming in the Emergency Department

Abstract

Elham Torabi (University of Cincinnati), Craig Froehle (University of Cincinnati), Christopher Miller

Sub-optimal capacity management in the ED is partly due to the inadequacy of the ESI triage system. Using partitioning methods, we identified sub-groups of ESI-3 patients to be redirected to the fast track without compromising quality-of-care. We evaluated the effect of this policy on system performance using queueing models.

Improving Stroke and Rehabilitation Care

Abstract

Ashish Gupta (University of Tennessee Chattanooga), Chris Young (Siskin Hospital for Physical Rehabilitation), Sara Otis (Fielding University)

Stroke is the fourth leading causes of death in US. Patients require expansive post-stroke care through rehabilitation. Time and proper diagnosis is an important determinant of the outcome. We provide a state-of-art overview of the stroke and rehabilitation care processes, providing evidences of improvements accomplished by applying data analytics approaches.

Personalized Medicine and Stakeholders' Perceptions

Full Paper

Adaeze Aroh, Teuta Cata (Northern Kentucky University)

Patients suffer the same form of illness but their responses to therapy may differ greatly. This can be attributed to their genetics or other environmental factors. Personalized Medicine may improve the outcomes of treatment by understanding the individuals, causes of their disease, and the best treatment for their cure.

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Saturday, Nov 21st, 2015, 3:30-5:00 p.m. | Redwood B

RESEARCH-HUMAN RESOURCES: Strategic HRM Decisions and Organizational Performance

Chair: Priyanka Jaiswal (Indian Institute of Technology delhi)

Beyond Formal Training and Development: The Effect of Perceived Organizational Support for Development

Full Paper

Cau Ngoc Nguyen (Texas A&M International University), Jacqueline Mayfield (Texas A&M International University), Milton Mayfield (Texas A&M International University)

The boundaryless career concept and social exchange theory are integrated to propose that perceived organizational support for development is significantly and positively related to job satisfaction and affective commitment, and negatively related to absenteeism. Cross-sectional data is collected from 413 individuals, and a path analysis is used to examine results.

Collective Intelligence: Leveraging contingent workforce for organizational performance

Abstract

Shanggeun Rhee (Kean University), Silvana Trimi (University of Nebraska-Lincoln)

Considerable portion of workforce is substituted by contingent employees across all industries. Despite the growing importance of contingent workforce in organizational life, the effort to optimize the use of contingent workers has been limited. This study applies the concept of collective intelligence and aims to propose a new HR strategy.

Do employees commit to the organization in employee-organization relationship? An agency theory perspective

Abstract

Pei-Chen Chen (National Cheng Kung University), Ming-Chao Wang (Shih Chien University Kaohsiung Campus)

Various employments contribute the high level flexibility and fast reception ability for organizations to competitive with rivals in the rapid changing environment. We focus on the employee-organization relationship (EOR) to explore the efficient governance how organizations administrate human resources with flexibility demand.

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Saturday, Nov 21st, 2015, 3:30-5:00 p.m. | Kirkland

RESEARCH-OPERATIONS MANUFACTURING: Technology Management Issues

Chair: George Kenyon (Lamar University)

Timing Product Upgrades with Stochastic Technological Advancements, Brand Commitment, and Product Failure

Abstract

Sam Kirshner (University of New South Wales)

We analyze the impact of branding and product failure on the frequency and profitability of upgrades for technological intensive products. We establish that the optimal upgrade strategy is characterized by a threshold policy based pent-up demand and establish market conditions under which firms should invest in raising brand commitment.

Physics of the Firm

Abstract

George Kenyon (Lamar University), Brian Neureuther (SUNY Plattsburg), George Irwin (Lamar University)

Scientific laws enable us to understand how our world works and to make predictions about what will happen given specific situations. We seek to apply the laws of thermodynamics to guide our understanding of process change in organizations, and to improve predicts of the impact of change.

The Generalized Lot Allocation Problem in Semiconductor Manufacturing

Abstract

Yang Sun (California State University, Sacramento)

In this research we consider the Generalized Lot Allocation problem of how to optimally configure and allocate semiconductor product lots to customer orders. We show that the lot-integrity requirement introduces the NP-completeness of the problem. Thus, a metaheuristic is used in search of good solutions with a reasonable computational effort.

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Saturday, Nov 21st, 2015, 3:30-5:00 p.m. | Ravenna C

RESEARCH-PUBLIC POLICY: Public Sector Sustainability Concerns and Academic Research Implications

Chair: Theodore P. Byrne (California State University-Dominquez Hills)

DEA Environmental Assessment for Social Sustainability on European Nations and North America

Full Paper

Yan Yuan (New Mexico Tech), Toshiyuki Sueyoshi (New Mexico Tech)

To attain social sustainability on economic and environment development, this study utilizes Data Envelopment Analysis (DEA) by incorporating the concept of natural and managerial disposability. Scale efficiency is newly measured under the two disposability concepts within radial approach. The proposed methodology is applied to strategic plans for North America and EU.

Stepwise Approach for Selecting Corporate Welfare Beneficiaries with Social Network Analysis

Abstract

Yeon Sil Kang (Jeju National University), BooYun Cho (Jeju National University)

Corporate welfare is a government's financial incentives or favorable treatment on firms to invigorate the economy. This study proposes the evaluation method of this program for selecting phase. We apply the stepwise approach with the social network analysis to identify the qualified candidates and quantitative approach to select the beneficiaries

Research on theory and practice of building the campus sports culture to promote the international power sports city

Abstract

Li ping Jiang (Tongji University), Yi fei Chen (Tongji University)

We want to analyze the advantages and disadvantages in the constructions of Shanghai campus sports culture and to investigate the effects of campus sports culture on promoting the development of the city sports and to facilitate the heritage of the campus sports culture.

The Triple Helix of Chinese Academy of Sciences, Industry and University Relations in Basic Research

Abstract

Xu Zhi

Based on SCI papers extracted from the Web of Science database during the time period 1978-2014, this paper applies bibliometric analysis, triple helix indicator, network analysis and regression analysis to explore the collaborative relationship among Chinese academy of sciences, industry and university in basic research and get some interesting findings.

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Saturday, Nov 21st, 2015, 3:30-5:00 p.m. | Ravenna B

RESEARCH-SOCIAL MEDIA: Social Media & Customer Behavior

Chair: CHEN LIN

An Assessment of Influence of Mass Media Oriented Information on Consumers' Information Retrieval Activities on the Internet

Abstract

Hideaki Kitanaka (Takushoku University), Yoshiki Matsui (Yokohama National University), Osam Sato (Tokyo Keizai University)

Even in a world of the Internet, tradition media are considered to be playing a significant role in the process of information propagation to consumers. In this study, using data collected by web surveys, we will assess the influence of mass media oriented information on consumers' information retrieval activities.

Boosting Interactions between You and Potential Customers-SOLOMO and X Factors Approach

Abstract

CHEN LIN, Yufei Zhang (Michigan State University), Jeongwen Chiang (China Europe International Business)

Since online interactions between firms and customers and difference in response propensity especially under SOLOMO umbrella have not received enough investigations, we run an experiment through Sina (Chinese Twitter). The results show that interest level and timing of the message are also factors to empower the engagement besides SOLOMO characteristics.

E-Tailer Website Attributes and Online Trust

Abstract

Rose Sebastianelli (University of Scranton), Nabil Tamimi (University of Scranton)

We present results from an experiment in which participants rate the trustworthiness of e-tailer websites. These websites were designed by manipulating four attributes: (1) e-tailer familiarity, (2) product type, (3) summary product review and (4) number of reviews. We examine potential moderators of the relationship between these attributes and trust.

Gender and usage motive differences in social media usage behavior

Full Paper

Jeen Lim, Kee Lim, John Heinrichs (Wayne State University)

This study develops and tests a conceptual model that captures the relationship among four social media usage determining factors, social media involvement, satisfaction, and usage intention. The moderating role of two user characteristics on the social media usage behavior are also empirically tested.

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Saturday, Nov 21st, 2015, 3:30-5:00 p.m. | Columbia

RESEARCH-SOURCING: Supply network opportunities and threats

Chair: Steven Carnovale (Portland State University)

Supply Base Complexity: A Useful Lens?

Abstract

Daniel Krause (Colorado State University)

We use the lens of supply base complexity to investigate characteristics of companies' supply bases, and associations of those characteristics to transaction costs, supply risk, supply responsiveness and innovation. Ultimately, we focus on tying different types of supply base complexity with different types of performance.

Closed-Loop Supply Chain Network Design under Supply and Demand Uncertainty

Abstract

Kamran S Moghaddam (California State University, Fresno)

We develop a multi-objective mathematical model to configure the optimal network for a closed-loop supply chain system with probabilistic customers' demand and suppliers' delivery lead time. The proposed multi-objective chance constrained model is solved by an integrated Hybrid Monte Carlo simulation and compromise programming method.

Complementary and substitutive influences of control mechanisms in multi-tier sourcing: an exploratory study

Abstract

Hyojin Kim (Yonsei University), Daesik Hur (Yonsei University)

This study aims to explore how the buyer firm may utilize multiple control mechanisms to make a multi-tier (directed) sourcing contract really work. Data are collected from 102 Korean manufacturing firms that have engaged in multi-tier sourcing and used to test the proposed hypotheses with hierarchical moderated regressions.

Crowdsourcing and innovation: a supply chain perspective

Abstract

Zhongzhi Liu (Arizona State University), Thomas Kull (Arizona State University)

Tapping into the distributed creativity nested in a crowd has attracted attention. In this paper, we develop a conceptual framework to better understand the decision of leveraging distributed creativity through crowdsourcing. Interesting internal organizational factors that lead to this decision are addressed in our framework.

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Saturday, Nov 21st, 2015, 3:30-5:00 p.m. | University

RESEARCH-SUPPLY CHAIN DESIGN: Supply Chain Relationships

Chair: Hung-Chung Su (University of Michigan-Dearborn)

Exploring the antecedents of relational mechanisms and capability outcomes

Abstract

Hung-Chung Su (University of Michigan-Dearborn), Yi-Su Chen (University of Michigan-Dearborn)

This paper examines how a manufacturer's perspective about two relational factors: relational norms and dependence toward suppliers could be shaped by its own supply chain orientation, characteristics of environments, and product/process types. We further examine the effects of the two relational factors on the manufacturer's ability to meet customers' needs.

Critical Factors Affecting Supply Chain Management: A Comparison of South Korea and US

Abstract

David W. Hwang (Shippensburg University of Pennsylvania), C. Christopher Lee (Central Connecticut State University), Kyudong Kim

The research is to analyze how sustainability, corporate ethics, organizational culture, partnership and trust affect the supply chain performance. Using 480 data from South Korea and USA, five hypotheses will be tested in order to find out which factor has the most significant impact on the supply chain performance.

The Manufacturer's Strategic Responses to the Imbalance of Power in Supply Chain Relationships: An Empirical Study

Abstract

zhexiong tao, Shanling Li, Saibal Ray

This research presents a model of the manufacturer's strategic responses to the imbalance of power in supply chain relationships and empirically tests it using plant-level data. Analysis results show that in different contexts, the manufacturer will adopt different strategies and coordination mechanisms to counteract the dominance of the strong actor(s).

Trust across Supply Chain Partners: The Influence on Supply Chain Coordination Practices and Performance

Abstract

Dongli Zhang (Fordham University), Sarah Wu (Fordham University)

This research is designed to investigate the following research questions: 1. Does different inter-organizational trust level influence the implementation of certain supply chain coordination practices? 2. Does trust moderate the relationship between the practices and performance? 3. Do contextual factors (e.g. environmental uncertainty) influence the moderating role of trust? How?

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Saturday, Nov 21st, 2015, 3:30-5:00 p.m. | Diamond B

RESEARCH-SUPPLY NETWORKS: Improving Performance in Strategic Sourcing and Supply Networks

Chair: Matthew Jenkins

Organizational Culture and Supply Chain Performance: Empirical Study in China*Abstract*

Ying Liao (Meredith College), Xuezhi Zhang (Sun-Yat-Sen University)

Based on organizational behavior and supply chain management literature, this paper developed a framework to link an organizational culture dimension to behaviors that encourage successful supply chain management and performance. Empirical study results are provided using data collected from companies in China.

Buyer-Supplier Relationship Dependency in Supply Networks: Impact on Operating Performance*Abstract*

Soumen Ghosh (Georgia Institute of Technology), Marcus Bellamy (Georgia Institute of Technology), Manpreet Hora (Georgia Tech)

We use cost and revenue information for manufacturing firms to estimate the effects of customer-supplier relationship dependence on a firm's operating performance, including the role of structural characteristics of the supply network. Using a multilevel mixed-effects model, we identify tradeoffs in profitability-efficiency gains when managing relationship dynamics among supply network partners.

The Role of Innovation Sourcing Strategy for Supply Chains: a Systematic Literature Review*Abstract*

Ulrich Schmelzle (The University of Tennessee, Knoxville), Wendy Tate (University of Tennessee-Knoxville), Veronica A Freitas de Paula (Universidade Federal de Uberlandia)

Based on a systematic literature review methodology, this research introduces a conceptual model of the innovation sourcing phenomenon. Using EBSCO, Science Direct and Google Scholar as primary sources, the authors synthesized the main theories and integrated related constructs to identify critical antecedents and outcomes, and to establish a research agenda.

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Saturday, Nov 21st, 2015, 3:30-5:00 p.m. | Greenwood

WORKSHOP: Integrated Strategic Management (ISM) Game with Responsive Learning Technologies

Workshop Coordinator: Sam Wood (Responsive Learning Technologies)

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Saturday, Nov 21st, 2015, 3:30-5:00 p.m. | Jefferson A

WORKSHOP: Program Level Assessment, Student Learning Outcomes: Exploring the link Between Accreditation, Assessment and Enhancing Student Learning

Workshop Coordinator: Patti Miles (University of Maine)

Saturday, Nov 21st, 2015, 5:00-6:00 p.m.

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Saturday, Nov 21st, 2015, 5:00-6:00 p.m. | Juniper

RECEPTION: DSI Journals (Hosted by Wiley-Blackwell)

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Saturday, Nov 21st, 2015, 5:00-6:00 p.m. | Cirrus Room (Social and Reception Area)

RECEPTION: New Member Welcome Reception



2015 Program Schedule

Saturday, Nov 21st, 2015, 6:00-8:30 p.m.

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Saturday, Nov 21st, 2015, 6:00-8:30 p.m. | Museum of Flight

Museum of Flight

RECEPTION: DSI Welcome Reception @ Museum of Flight

Saturday, Nov 21st, 2015, 10:00-11:30 p.m.

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Saturday, Nov 21st, 2015, 10:00-11:30 p.m. | Metropolitan Ballroom Pre-Function Area

RECEPTION: After Glow "Dessert & Cash Bar" Networking Social

Sunday, Nov 22nd, 2015, 7:30-8:30 a.m.

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Sunday, Nov 22nd, 2015, 7:30-8:30 a.m. | Metropolitan Ballroom (Break Area)

BREAKFAST 2: Continental Breakfast Sponsored by Project Management Institute

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Sunday, Nov 22nd, 2015, 7:30-8:30 a.m. | Grand Ballroom B

Non-Denominational Christian Fellowship Time

Chair: Robert Andrews (Virginia Commonwealth University)

Sunday, Nov 22nd, 2015, 8:30-10:00 a.m.

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Sunday, Nov 22nd, 2015, 8:30-10:00 a.m. | Eagle Board Room

ADMINISTRATIVE MEETING: Meeting of US-based Regional Treasurers and DSI Home Office

Chair: Robert Pavur (University of North Texas)

Advisor: Johnny Rungtusanatham (The Ohio State University)

Invitees: Janelle Heineke (Boston University), Debbie Gilliard (Metro State College of Denver), Peggy Daniels Lee (Indiana-Purdue University Indianapolis), Shanah Gibson (East Carolina University), Xiaodong Deng (Oakland University), Deb Sledgianowski (Hofstra University), Peggy L. Lane (Missouri Western State University), Michael Robert Lane (Missouri Western State University)

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Sunday, Nov 22nd, 2015, 8:30-10:00 a.m. | Issaquah B

AWARDS: Best Paper Awards Competition

Chair: Soumen Ghosh (Georgia Institute of Technology)

Best Papers Live Awards Competition

Finalists: Stephan M. Wagner, (Swiss Federal Institute of Technology, Zurich), Christoph Bode (University of Mannheim), Yan Dong (University of South Carolina), Kefeng Xu (University of Texas, San Antonio), Sining Song (Arizona State University), Gregory N. Stock (University of Colorado, Colorado Springs), Kathleen L. McFadden (Northern Illinois University), Subhajit Chakraborty (Coastal Carolina University), Hale Kaynak (The University of Texas, Rio Grande Valley)

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Sunday, Nov 22nd, 2015, 8:30-10:00 a.m. | Grand Ballroom B

CONSORTIA-STATISTICS BUSINESS SCHOOLS: Applications of JMP and Minitab Software for Supporting Analytical Instruction

Chair: Robert Andrews (Virginia Commonwealth University)

Using College Football Scores to Illustrate Basic Statistical Concepts with Minitab

Abstract

Scott Kowalski

Minitab demonstration of how a real data set consisting of college football scores from over 10,000 games can be used as a good teaching example with surprisingly good relationships between variables to illustrate graphical visualizations, summary statistics, regression, and logistic regression.

Interactive Predictive Modeling Using JMP 12 Pro

Abstract

Mia Stephens

We use case studies to create and compare predictive models using JMP 12 Pro. First, we explore and prepare data for modeling. Then we consider a variety of modeling techniques: linear and logistic regression, penalized regression, and classification and regression trees. Finally, we compare a variety of competing models.

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Sunday, Nov 22nd, 2015, 8:30-10:00 a.m. | Everett

RESEARCH-ACCOUNTING: Capital Markets, Sustainability, and Asset Valuation

Chair: Mehmet C. Kocakulah (University of Southern Indiana)

Does Market Respond to Firm's Short-term Earnings' Growth Rate and/or Earnings Change Besides the Meet or Beat Expectation Benchmark?

Full Paper

Yuanlong He (College at Brockport-SUNY)

The study exams the market's response to realized growth rate and finds market treats firms indifferently regarding income-increase or income-decrease if we control the MBE, which indicates the implication of naïve model in the Ball and Brown (1968) around the earnings announcing date is actually the effect of MBE benchmark.

Carbon reporting as an extension of sustainability accounting rules

Full Paper

Seleshi Sisaye (Duquesne University)

Carbon trading is a relatively new approach that corporations have adopted to address the issue of carbon emissions. Carbon accounting and reporting is an evolutionary rule change in sustainability accounting for the management of climate change and sustainable development.

Integrated Reporting Framework: implications for accounting educators

Abstract

Kamala Raghavan (Texas Southern University)

Integrated Reporting (IR) framework combines information about the organization's business model, strategy, governance, performance and prospects to enhance information content to stakeholders. It encourages managers to consider dependencies and interconnectivity of factors impacting long term value. This paper describes key elements of the framework and its impact on accounting profession.

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Sunday, Nov 22nd, 2015, 8:30-10:00 a.m. | Diamond B

RESEARCH-CONSUMER BEHAVIOR: Consumers and Online Channels

Chair: Christine Alexander (University of Central Oklahoma)

Determinants of consumers' participation in online virtual communities

Full Paper

Jeen Lim, John Heinrichs (Wayne State University), Kee Lim

The importance of virtual communities has grown dramatically as these communities influence brand and purchase decision of consumers. This research develops and tests a conceptual model that captures the determining factors of involvement and opinion leadership as an indicator of active participation in various virtual communities.

How Online Marketplace Sellers' Manipulation Influence Buyers' Evaluations?

Full Paper

Eugenia Huang (National Chengchi University), Shu-Chiung Lin (Tatung University), Hsieh I-Ting

The purpose of this study not only examines the influence of sellers' manipulation behaviors on percentage of positive ratings and comment orientation, but also confirm whether buyers' experience moderating the relationship of sellers' manipulation and buyers' evaluations or not in evaluation system.

Information Design

Abstract

Christine Alexander (University of Central Oklahoma)

The aim of this research is to explore users' reactions to travel websites from the perspective of information design. We will explore whether information design impacts user perception of trust, quality, usability, and ease-of-use.

Leveraging Collaborative Consumption with Identity-Descriptive Information in Sharing Economy Platforms

Abstract

Junghwan Kim, Sunyoung Cho

Despite the phenomenal growth of sharing economy platforms, very little has known about how rentees participate and transact with renters in the platforms. Linking social interaction theory and environmental psychology, we investigate how self-provided, platform-verified, and peer-provided identity-descriptive information influence rentees' social presence, which in turn enhance their collaborative consumption.

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Sunday, Nov 22nd, 2015, 8:30-10:00 a.m. | Madrona

RESEARCH-DATA ANALYTICS: Applications in social media analytics

Chair: Mohammad Salehan (California State Polytechnic University, Pomona)

Users Participation in Social Media Based Brand Communities: A Dynamic Perspective

Full Paper

Xiaoyun He (Auburn University at Montgomery), Feng Zhang (St. Mary's University), Arash Negahban (California State University, Chico)

A fast growing Social Media based Brand Community (SMBC) is expected to be conducive to better organizational outcomes. However, there is limited understanding of the dynamic relationships between users' participation reflected by their sharing and commenting activities and the growth rate of SMBCs. In this study, we examine these relationships.

A Recommder System Approach to Sorting Online Reviews

Abstract

Mohammad Salehan (California State Polytechnic University, Pomona), Mohammadreza Mousavizadeh (University of North Texas)

While most previous studies provide general models that predict performance of online reviews, different people look for different types of reviews. Hence, there is a need for systems that can sort reviews differently for each user. We address the above need by developing a recommender system using content-based filtering.

Managing Online User-Generated Product Reviews

Abstract

Kwei Tang (National Chengchi University), Yu-hui Fang, Arthur Wu

Online user-generated product reviews have become a rich source of product quality information for producers. We propose and evaluate a strategy for replacing missing evaluations on product features based on several assumptions of causes of missing values.

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Sunday, Nov 22nd, 2015, 8:30-10:00 a.m. | Diamond A

RESEARCH-DECISION MODELS FINANCE: Decision Models in Finance

Chair: Albert Kagan (ASU)

Community Bank Product Design within an Asymmetric Competitive Market: An X-efficiency Approach

Abstract

Albert Kagan (ASU), Gregory McKee

This research assesses product and service arrays of community banks within competitive markets that are impacted by varying sized financial institutions. A cost efficiency model is used to understand the relationship of product offerings and business cycle response upon bank performance. Call report data are analyzed from 1994-2013

Trade credits and inventory decisions

Abstract

SHIH-SIAN JHANG (The State University of New York, University at Buffalo), Winston Lin (University at Buffalo-SUNY), Nallan Suresh (University at Buffalo-SUNY)

We explore how trade credits interact with several operations variables in U.S. manufacturing industries. Three main interfaces related to customers, suppliers, and focal companies are discussed separately and jointly. Portfolio-based asset pricing approaches are also utilized to analyze the results.

Underwriters efficiency in new issue market

Abstract

Vinay Hotkar

Private firms hire one or more investment banks (underwriters) to assist them to launch their Initial Public Offering (IPO). This study measures the efficiency of the underwriters. These efficiency scores may give some guidelines to issuing firm for selecting the right underwriter(s).

What Does the Stock Market and Mortgage Interest Rate Tell Us about Real Estate Returns?

Abstract

Kuo-Hao (Howard) Lee

The study examine the causal relationships among the behaviors of REIT, S&P 500 and the mortgage fixed interest rate. The finding is different from the findings of previous research, and provides another prospect for the investor to take into consideration while building an investment portfolio.

87

Sunday, Nov 22nd, 2015, 8:30-10:00 a.m. | Leschi

RESEARCH-DECISION MODELS LOGISTICS: Using simulation for logistics problems

Chair: L. Douglas Smith (University of Missouri-St. Louis)

An improved algorithm for Battery Swapping System of the battery-operated bus

Abstract

Lee HyeokYeon (Korea Aerospace University), Junjae Chae (Korea Aerospace University), Jun-Seok Park (Kookmin University)

This paper introduces the Battery Swapping System (BSS) for the battery-operated bus in one city in South Korea. The time for swapping the battery needs to be in range of certain time. The logic for battery exchange is analyzed and modified to improve its time for swapping using simulation.

Modeling crowd-sourced logistics

Abstract

Vincent E Castillo (The University of Tennessee, Knoxville), William Rose (University College, Dublin), John Bell (University of Tennessee-Knoxville)

Transportation network companies providing "crowd-sourced logistics" are increasingly attractive for last-mile delivery. Most analytic models do not consider stochastic and dynamic vehicle fleet sizes to reflect the uncertainty in driver availability inherent to the crowd-sourcing approach. This research explores the factors and variability for this problem using a simulation method.

Decision Support for Strategic Planning at Commercial Airports

Full Paper

L. Douglas Smith (University of Missouri-St. Louis), Liang Xu (University of Missouri-Saint Louis), Ziyi Wang (UMSL), Deng Pan (UMSL)

With discrete-event simulation we model aircraft activity at a major airport and apply the model to study how runway use, gate allocations, airline schedules, dispatching procedures, hub operations, and bad weather events affect performance of individual carriers. This application involves a blend of statistical modeling, simulation and LP optimization.

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Sunday, Nov 22nd, 2015, 8:30-10:00 a.m. | Redwood B

RESEARCH-DECISION MODELS PROCUREMENT: Procurement Decision Models

Chair: Qiannong Gu (Ball State University)

Anchored Decisions in Multi-Factor Decision-Making

Full Paper

Richard Jenson (Utah State University)

The author presents a comparison between Analytical Hierarchy Process (AHP) and Choosing by Advantages (CBA). The author highlights differences between the two decision making systems pertaining to vocabulary, computing criteria priorities and capturing user judgments. AHP uses pairwise comparisons to compute criteria priorities at multiple levels.

Bidding Strategies for Advantaged and Disadvantaged Bidders in Procurement Auctions

Abstract

Joan Donohue (University of South Carolina), Timothy Fry (University of South Carolina), Kathleen Whitcomb (University of South Carolina)

This study explores bidding strategies in construction procurement auctions where the lowest bidder is awarded the contract. We investigate situations in which bidders have different amounts of information available for estimating the value of a project. An experimental study is performed to investigate the effects of asymmetric information conditions.

Supplier Evaluation and Selection in the US Public Transportation Industry: Determining Supplier Attribute Importance and Developing an Evaluation Framework

Abstract

Marc Angus Scott (Georgia Southern University), Joseph Szmerekovsky (North Dakota State University)

Utilizing survey methods and discrete choice analysis, this research identifies the relative importance of vehicle supplier attributes in the evaluation process and determines their influence on supplier selection. The research identifies metrics to facilitate attribute measurement and uses them to develop a vehicle supplier evaluation framework in the public transportation industry.

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Sunday, Nov 22nd, 2015, 8:30-10:00 a.m. | Willow A

RESEARCH-DECISION MODELS: Decision Support

Chair: Debashis Kushary (Rutgers University - Camden)

Combining Biased and Unbiased Data to make Decision

Abstract

Debashis Kushary (Rutgers University - Camden)

In this paper, we consider making statistical decisions using data from two stages where first stage data is biased and second stage data is unbiased.

Decision Making Over Time with Multiple Criteria: A Rank-based Approach

Abstract

Young H. Chun (Louisiana State University)

For the decision problem with sequentially presented choices, we propose a rank-based strategy that minimizes the rank sum of the selected choice. It can be shown that many sequential decision problems such as the secretary problem and the minimum rank problem are special cases of the generalized rank-based decision problem.

On Unit Free Forecast Accuracy Metrics for Intermittent Demands

Abstract

Luh-Yu Ren (University of Houston-Victoria), Peter Ren (University of Houston-Downtown)

Several unit free forecast accuracy measures are studied: dMAPE, DAM, sMAPE, MAD/MEAN, and dsMAPE. Simulation study shows that dMAPE provides far smaller percentage figures than MAD/MEAN when there are zero demands, but they are linearly correlated. We would recommend the use of MAD/MEAN as well as dMAPE for intermittent demands.

Estimates of the Percentiles of the Maximum of a Set of Random Variables

Abstract

Vikas Agrawal (Jacksonville University), P. S. Sundararaghavan (University of Toledo)

In real life planning problems such as project management and pension planning, random variable defined by the maximum of a set of IID's (independent identically distributed) and IDD's (Independent differently distributed) are of interest. In this paper, we study the problem of finding characteristics of distribution of this random variable.

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Sunday, Nov 22nd, 2015, 8:30-10:00 a.m. | Ballard

RESEARCH-EMERGING INFORMATION TECHNOLOGY: Adoption and assimilation of emerging technologies: Effects on performance

Chair: Sangwook Park

Effect of Cloud Computing on IT performance

Abstract

Sidhartha Das (George Mason University), Cem Canel (University of North Carolina Wilmington), Basheer Khumawala (University of Houston)

We examine the extent to which a firm's adoption and use of cloud computing has an effect on IT performance variables. Additionally, we explore if the intensity of cloud computing in a firm, allows it to exploit the business opportunities available due to the spread of cloud computing technologies.

Factors that Affect Cloud Computing Use

Abstract

Xiaotong Liu (University of North Texas), Victor Prybutok (University of North Texas)

This research develops a model to explain factors that affect the intentions of users to switch from traditional to cloud computing. Survey research allowed empirical examination of the user experience with both cloud and traditional computing. The results provide factors that affect the user's intention to switch.

M-Commerce Value Propositions and Information System Adoption Behavioral Intention

Abstract

Nina Shin (Seoul National University), Sangwook Park

This paper presents an integrative framework of D&M IS Success model with perceived value, and examines the moderating role of m-commerce value propositions and mobile system barriers. This study empirically validates and offers significant findings of how these factors affect the determinants of consumer's channel preference in m-commerce context.

The Critical factors that Impact Successful Digital Innovation Performance and Firm Performance

Abstract

TEJOVATHI INAMANAMELLURI, Qi Zou (University of Toledo)

Digital technology is becoming more and more prominent in product and service innovation today, transforming products to the "smart mode" and enhancing firm competitiveness. In this study, we focus on examining the strategic business factors that have decisive influences on successful digital innovation and firm performance.

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Sunday, Nov 22nd, 2015, 8:30-10:00 a.m. | Ravenna C

RESEARCH-ENTREPRENEURSHIP: Characteristics of Entrepreneurs

Chair: Sayalee S Gankar (MIT SCHOOL OF MANAGEMENT PUNE INDIA)

Why Does A College Graduate Want To Be An IT Entrepreneurs?

Abstract

Liqiang Chen (University of Wisconsin - Eau Claire)

IT entrepreneurs have been contributing greatly to economic growth and job creation. However, IT entrepreneurship remains understudied in business research. In particular, studying IT entrepreneurial behavior has been ignored in both IS and entrepreneurship disciplines. This study empirically examines IT entrepreneurial intention and its antecedent factors from the IS discipline.

Why is Carl Casper smiling? Research into the entrepreneurial characteristics of food truck owners.

Abstract

Jane Wheeler (Bowling Green State University), JoeJohn M. Lanza (Bowling Green State University/Lanza & Associates)

Inspired by the transformation of Carl Casper, the main character in the motion picture Chef, from unhappy and unemployed chef to enthusiastic and energetic food truck owner, our research examines the motivations and characteristics of food truck owners.

in search of the entrepreneurial spirit; Latin America Case

Abstract

Antonio Rios-Ramirez (ITESM/University of Houston)

The objective of the research is to show the process that organizations follow to develop the entrepreneurial spirit in communities. Cases of Latin America will analyze. So it will show the impacts in the processes implemented.

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Sunday, Nov 22nd, 2015, 8:30-10:00 a.m. | Virginia

RESEARCH-GLOBAL SUPPLY CHAIN: Culture and Institutions in Global Supply Chain Management

Chair: Henry Aigbedo (Oakland University)

Assessing Business Performance in Global Supply Chains

Abstract

Henry Aigbedo (Oakland University)

With increasing globalization, many companies have supply chains that span across multiple continents. We use publicly available data to assess the relative business performances for these companies by assessing various variables such as countries in which they are headquartered and industries to which they belong.

Institutions and Logistic Performance in Emerging Markets: A Latent Growth Curve Analysis

Abstract

Sang-Heui Lee (Pittsburg State University)

The present study exploits the current literature of institution variables using the latent growth curve modeling technique. Typical institution-related research is conducted by using cross-sectional data analyses for countries. This study is a different approach that considers the dynamics of institutions and logistics by incorporating the changes of individual economies.

Contrasting Culture Effects in OM Research – GLOBE, Hofstede and organizational culture.

Abstract

Torsten Doering (University at Buffalo), Nallan Suresh (University at Buffalo-SUNY)

Exploration of the GLOBE and Hofstede national culture frameworks in relation to the link between supply chain integration, organizational culture and competitive performance in a global manufacturing environment. History of the two frameworks, application in OM literature and direct empirical comparison with recent data through hierarchical linear modeling (HLM) estimates.

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Sunday, Nov 22nd, 2015, 8:30-10:00 a.m. | Redwood A

RESEARCH-HEALTHCARE: Approaches in Patient Care Improvement

Chair: Ravi Behara (Florida Atlantic University)

Influenza Vaccine Supply Chain with Vaccination Promotion Effort and its Coordination

Abstract

Xinghao Yan (Ivey Business School), Greg Zaric

We develop an influenza vaccine supply chain with a health authority, a vaccine manufacturer, and population. The health authority decides order quantity and effort exerted to increase vaccination demand; the manufacturer decides production effort; and population decides the vaccination probability. We find that equilibrium solution and different coordinating contract formats.

Predictive Analytics for Chronic Diabetes Care

Full Paper

Ravi Behara (Florida Atlantic University), Ankur Agarwal (Florida Atlantic University), Vinaya Rao (Methodist University Hospital Transplant Institute), Christopher Baechle (Florida Atlantic University)

In this paper, we investigate diabetic patient condition prediction using Multilayer Perceptron (MLP) and Bayesian Networks (BN). The dataset used for evaluation was CDC-NHANES 2011-2012, which is a survey of approximately 5,000 individuals. MLP networks were shown to have a larger AUC, higher accuracy, and lower RMSE.

Role of Telemedicine in Continuous Care and Disease Management

Abstract

Balaraman Rajan (California State University East Bay)

In this work, I investigate if it is really worth reimbursing telemedicine mode of treatment for chronic conditions. I predict, given the private payor's profit maximization objective, the key to telemedicine might be in an innovative payment system where the actual beneficiaries pay for the innovative practice.

The Role of Capacity Utilization on the relationship between Quality and Clinical Performance in the US Nursing Homes

Abstract

Rachna Shah (University of Minnesota-Twin Cities), Gopalakrishnan Narayanamurthy (Indian Institute of Management Kozhikode), Anand Gurumurthy (Indian Institute of Management Kozhikode)

The empirical evidence supporting the relationship between clinical and experiential quality, and clinical performance is at best mixed. In this study, we test the role of capacity utilization to explain the varying outcomes. We examine our framework in nursing homes using a unique secondary dataset and rigorous econometric analysis.

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Sunday, Nov 22nd, 2015, 8:30-10:00 a.m. | Aspen

RESEARCH-HEALTHCARE: Improving Health Sector Financials: Managing Products

Chair: David Dreyfus (Michigan State University)

An ethnographic study of operating room waste

Abstract

David Dreyfus (Michigan State University), Anand Nair (Michigan State University), Claudia Rosales (Michigan State University)

This ethnographic study capturing data from more than 100 surgeries identifies the antecedents and moderating effects of operating room waste. Hundreds of hours were spent observing surgeries and tracking supplies. A combination of participant observer, survey, and secondary data was analyzed to discern theoretical and practical insights.

Changing Inventory Practices at VA's New England System

Abstract

Gilbert Nyaga (D'Amore-McKim School of Business, Northeastern University)

The study examines inventory management practices at VA's New England healthcare system. Based on a comprehensive investigation of inventory management across the system's medical facilities through interviews, archival records, and site visits, several behavioral and operational factors influencing inventory performance are identified. Several managerial and theoretical insights are discussed.

Decisions of Logistics Management in Chinese Hospitals: A Case Study

Abstract

Yongyi Shou (Zhejiang University), Wen Che

Chinese healthcare systems have drawn much attention on policy issues. However, the complex logistics in hospitals are not sufficiently analyzed. Based on a case study in a general hospital in Zhejiang province, this paper describes and discusses logistics decisions including procurement, inventory management and deliveries.

Waste Management in Hospitals

Abstract

Jon Kirchoff (East Carolina University), Carsten Reuter (University of Applied Sciences Aschaffenburg)

Different hospital wastes are often treated equally with the highest level of protection (i.e. bio-hazard-material). The disposal of this material significantly impacts hospitals' bottom line. Anecdotal evidence suggests that a more differentiated treatment of medical waste can improve hospitals' economic bottom-line. This research explores this option through case study research.

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Sunday, Nov 22nd, 2015, 8:30-10:00 a.m. | Cedar B

RESEARCH-HOSPITALITY: Consumer Behavior and Resource Management

Chair: Steven Leon (University of Central Florida)

Perceptions of Kuwaiti Tourists

Abstract

Sudhir Chawla (GUST), Yunus Kathawala (gulf university for science and technology)

Tourism industry is changing rapidly and the competition to attract potential tourists is fierce. Current study tries to elucidate the reasons and methods of planning for trips abroad by Kuwaitis. Preliminary results of the survey will be discussed. Recommendations for travel agencies will be presented.

Exploring the Decision of Entertainment Capacity and Ticket Price: An Application of Deterministic Dynamic Programming

Abstract

Hsin-Fang Wu (National Pingtung University), Chin-Feng Lin (National Pingtung University), Hsin-Mei Chen

This study used deterministic dynamic programming (DDP) analysis to investigate resource distribution issues in term of satisfaction maximization of the theme park customers. Applying DDP analysis, managerial people cannot only easily obtain the best resource distribution solution but also can precisely determine pricing strategy for targeted customers.

Exploring the Implications of Balanced Perception System toward the Resources of Suburban-mountain's Wildlife Tourism

Abstract

Chin-Feng Lin (National Pingtung University)

This study based on the balance theory, means-end chains and dramaturgy theory aims to understand tourists' perception system toward the Formosan rock-monkey and their appraisals toward the recreation resources of Shoushan mountain. The results enable to deduce the relationships of wildlife tourism resources and tourist's choices of leisure activities.

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Sunday, Nov 22nd, 2015, 8:30-10:00 a.m. | Jefferson A

RESEARCH-INFORMATION SECURITY: Experimental & Theoretical Studies in Information Security

Chair: Arash Negahban (California State University, Chico)

A Preliminary Data / Wealth Simulation of an Information System Under Attack

Full Paper

n pendegraft (university of idaho), Mark Rounds (University of Idaho)

A two part information system under attack is simulated. Attacks against data are converted to attacks against wealth. Initial results suggest that the split complicates behavior of the system. Data security and wealth security interact in a non-obvious way.

Adoption of M-Payment Services: A Privacy Perspective

Abstract

Vess Johnson (University of the Incarnate Word), Russell Torres (University of Mary Hardin-Baylor), Arash Negahban (California State University, Chico)

Despite the expected growth in the adoption of m-payment services, uptake of these technologies has been relatively slow. We utilize a theoretical model derived from diffusion of innovation theory, augmented with perceived privacy risk in order to shed light on the role this factor plays in m-payment service adoption.

An Experimental Study to Explore Attacker Framing in Response to Changes in Security and Reward

Full Paper

Mark Rounds (University of Idaho), n pendegraft (university of idaho), Jim Alves-Foss (University of Idaho)

In previous simulation studies attackers were shown to respond to changes in reward with S shaped curves and to changes in security with declining S shaped curves. This paper reports experimental work that investigates the whether the response to reward is relative or absolute and influences the framing of rewards.

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Sunday, Nov 22nd, 2015, 8:30-10:00 a.m. | Capitol Hill

RESEARCH-INFORMATION SYSTEM DESIGN: Human Factors in IS planning and Use

Chair: Robert Cerveny (Florida Atlantic University)

Antecedents to user engagement in software development

Abstract

Peggy Beranek (University of Colorado)

This research investigates antecedents to user participation in software development. User participation can contribute to successful information systems development but little is known about how to prepare and train users. This research will study antecedents to user participation from the perspective of two theories, Job engagement Theory and Workplace Spirituality.

Business Intelligence and Analytics and the Ability to Seize Opportunities: The Role of Personnel Expertise

Abstract

Russell Torres (University of Mary Hardin-Baylor)

The competency of business intelligence and analytics professionals has received considerable scrutiny in the literature. Less emphasis has been placed on the skills of the decision-makers who interpret BI&A outputs. This research examines the skills of information producers and consumers and their impact on the organizational ability to seize opportunities.

Computer Enjoyment: Its antecedents and position in TAM nomological network

Abstract

Wei Sha (Pittsburg State University)

This paper examines the antecedents of computer enjoyment and its relationship with other TAM constructs. Computer enjoyment is about the degree to which a person experiences positive emotions in a computing environment. The antecedents of computer enjoyment are not well understood, along with its relationships with other TAM constructs.

TAM- A Cross-Industry and a Cross-Cultural Perspective

Abstract

Rupak Rauniar (University of Houston-Victoria), Greg Rawski (University of Evansville), Don Hudson

Issues related to human-technology interaction and usage based on Technology Acceptance Model (Davis, 1989) has been widely studied for different technologies and for different industries. In the current study, we propose to empirically study a modified TAM in a cross-industry (Manufacturing and Service) and cross-cultural (US and China) settings.

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Sunday, Nov 22nd, 2015, 8:30-10:00 a.m. | Medina

RESEARCH-LEAN QUALITY SIX SIGMA: Behavioral Lean Six Sigma

Chair: Ankur Agarwal (Florida Atlantic University)

Behavioral Models in Operations Management: A Case of Six Sigma

Abstract

Ajaya Kumar Swain (St. Mary's University)

Drawing on authentic leadership, and behavioral integrity theory and using cross sectional survey data, we examine the impact of top leadership behavior on Six Sigma success. We find that authentic leaders and leaders with behavioral integrity significantly and positively influence the outcome of a Six Sigma process.

Explorative and exploitative learning and innovative outcome in Six Sigma projects under uncertainty: the role of challenging goal

Abstract

Arumugam Velayudan (University of Strathclyde)

The study examines the impact of challenging goals on explorative and exploitative learning and performance in Six Sigma projects under uncertainty using data from 102 teams. The level of uncertainty has different direct and indirect effects on learning with an overall positive effect on learning across all levels of goals.

Lean Human Resource Management System Practices and Transformation

Full Paper

David Marshall (Eastern Michigan University), Thomas Goldsby (The Ohio State University)

The purpose of this study is to investigate the impact of human resource management system transformation on human resource management system practices. Data is collected via survey of organizations pursuing lean transformation. Results suggest that measurement system transformation will have a positive impact on lean human resource management practices.

The Challenge of Lean Implementation: Role of Incentive and Performance Evaluation Systems

Abstract

Atul Agarwal (University of Illinois Springfield)

In spite of the emergence of lean philosophy as a panacea to U.S. manufacturing, companies continue to face difficulties in implementing it. This research studies the challenges faced by Midwestern manufacturing industry in implementing lean practices and examines the role of incentive and performance evaluation systems as drivers to its implementation.

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Sunday, Nov 22nd, 2015, 8:30-10:00 a.m. | Ravenna B

RESEARCH-LOGISTICS: Omni-Channel/E-Commerce

Chair: Simone Peinkofer (University of Arkansas)

Outsourcing, Governance Mechanisms and Customer Satisfaction in E-commerce

Full Paper

Abhijit Bhagwat (Indian Institute of Technology Bombay, India), Tarikere Tulasidas Niranjan (Indian Institute of Technology Bombay)

Delivery services play a critical role in online retailing environment. This study examines how governance mechanisms influence the effects of outsourcing on customer satisfaction. Propositions and framework are presented which should help academicians and practitioners alike in making desirable changes to their outsourced delivery services.

Realignment of the Physical Distribution Process in Omni-channel Supply Chain

Abstract

Rafay Ishfaq (Auburn University), Cliff Defee (Auburn University), Brian Gibson (Auburn University), Uzma Raja (University of Alabama)

Using a mixed method, qualitative-quantitative approach, this research study explores realignments in the physical distribution process in the omni-channel retail supply chain. The study identifies physical distribution elements that are important to store-base retailers and how these retailers are organizing their fulfillment operations in the omni-channel setting.

Assessing the Impact of Omni-Channel Fulfillment Operations on Firm Performance

Abstract

Simone Peinkofer (University of Arkansas), Terry L. Esper, Ronn J. Smith, Brent D. Williams

With the shift towards an omni-channel retail environment retailers develop and adopt new fulfillment operations to meet increasing end-customer expectations. We use archival data and regression methods to report the effect of omni-channel fulfillment operations on retail supply chain efficiency and effectiveness.

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Sunday, Nov 22nd, 2015, 8:30-10:00 a.m. | Jefferson B

RESEARCH-NEW PRODUCT: Mass Customization and Lean in Product Innovation

Chair: Mohammad Meybodi (Indiana University Kokomo)

An Empirical Study of the Relationship between Product Architecture and Product Performance

Abstract

Debashish N Mallick (University of St. Thomas), Sohel Ahmad (St. Cloud State University), Roger Schroeder (University of Minnesota-Twin Cities)

Modular product architecture is becoming increasingly popular for gaining competitive advantage. Yet, the overall impact of product modularity on product performance remains inconclusive. Using a cross industry survey of 317 new product development projects, we explore the factors affecting the relationship between product architecture and product performance.

Capability hierarchy in innovation and mass customization: a cross-culture empirical examination

Abstract

Zhongzhi Liu (Arizona State University), Jie McCardle (Idaho State University), Thomas Kull (Arizona State University), Dennis Krumwiede (Idaho State University)

Based on the capability hierarchy framework from Collis (1994), we propose and test a multilevel innovation capability model. Empirical results indicate that engineering capability, technical capability, and analytic decision norms positively associate with innovation capability, which leads to mass customization capability. The performance implications of our model are also addressed.

Employing the Principles of Lean Manufacturing to Improve New Product Development

Full Paper

Mohammad Meybodi (Indiana University Kokomo)

The focus of this article is to demonstrate the relationships between lean manufacturing principles and concurrent engineering method of new product development. Comparison and statistical analysis of several critical factors show high degree of similarities between the two methods.

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Sunday, Nov 22nd, 2015, 8:30-10:00 a.m. | Kirkland

RESEARCH-OPERATIONS MANUFACTURING: Capacity Management

Chair: Rajesh Srivastava (Florida Gulf Coast University)

Optimal Product Pricing for a Small Business facing Non Linear Demand

Abstract

Ahmad Naeem Bajwa (University of Arkansas at Little Rock), Belleh Fontem (University of Alabama)

In this paper, we present a simple solution procedure for finding optimal dynamic pricing for multiple products whose demands are nonlinear functions of product prices. We incorporate capacity constraints and demand seasonality in the decision model. We use real world data to demonstrate the applicability of this research.

Order Management in Real Time with Capacity Reservation under varying Cost Structure

Abstract

Rajesh Srivastava (Florida Gulf Coast University), Elias Kirche (Florida Gulf Coast University)

With the availability of advanced planning and scheduling systems, firms are increasingly turning to order management in real time in order acceptance decisions to improve profitability. We examine the benefit of reserving capacity for higher profitability products across industries with different cost structures and with varying demand rates.

Product Line Design And Capacity Management: The Role Of Consumer Behavior Uncertainty

Abstract

Muge Yayla-Kullu (Rensselaer Polytechnic Insititute), Jennifer Ryan (RPI), Jayashankar Swaminathan (UNC-CH)

We study the effects of uncertainty in consumer spending due to economic volatility on the product line decisions of a firm with limited resources. Making capacity allocation decisions in the face of such an uncertainty is challenging, demanding careful consideration of product variety and available resources.

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Sunday, Nov 22nd, 2015, 8:30-10:00 a.m. | Juniper

RESEARCH-OPERATIONS STRATEGY: C-TPAT Strategic Global Supply Chain Security Research

Moderator: Barbara Flynn (Indiana University)

Panelists: Steven Melnyk (Michigan State University), John Ni (University of Rhode Island), Barbara Flynn (Indiana University), William Ritchie

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Sunday, Nov 22nd, 2015, 8:30-10:00 a.m. | Greenwood

RESEARCH-PROJECT MANAGEMENT: Creating a Successful Environment for Sharing Project Knowledge

Chair: Gary Klein (University of Colorado Colorado Springs)

Does your team learn from outside? Intellectual capital elements, knowledge transfer, and technical performance of innovation projects.

Abstract

Jung Young Lee (Northern Illinois University), Morgan Swink (Texas Christian University)

This research examines the role of knowledge transfer in innovation projects. Data from 212 projects indicate the following results. Knowledge transfer mediates the impacts of codified knowledge and psychological safety on technical performance. Disciplined methods do not influence technical performance of innovation projects either directly or indirectly via knowledge transfer.

Project Management and Knowledge Acquisition: Highlighting Process Losses in Meeting and Between Meeting Activities

Full Paper

Deanna M. Kennedy (University of Washington Bothell), Meghann L. Drury-Grogan (Fordham University)

Across waterfall and agile project management methods we study (1) process losses to communication during meeting periods; and, (2) process losses to self-study between meeting periods. We develop an agent-based model and apply virtual experimentation to different process loss conditions. Implications for research and practice are discussed.

The Influence of Pre-project partnering to Process Quality and Project Performance

Abstract

Julie Yu-Chih Liu (Yuan Ze University), Le-Hsuan Wang (Yuan Ze University), James Jiang

Pre-project partnering has a significantly positive impact on software project performance. We examine how pre-project partnering influences software project performance through team process quality. We analyze questionnaire data collected from 122 IS project managers using a multivariate model and demonstrate new insights from the perspective of input-process-outcome theory.

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Sunday, Nov 22nd, 2015, 8:30-10:00 a.m. | Willow B

RESEARCH-SERVICE: Effective Practices in Service-Manufacturing Linkages

Chair: Mark McMurtrey (University of Central Arkansas)

The Influence of Environmental Factors, Strategic Orientation and Organizational Capability on the Effectiveness of Servitization

Abstract

Hojung Shin (Korea University Business School), Sangjoon Lee

Servitization, the infusion of service into manufacturing firms, has gained considerable attention recently. We investigate the nomological network of influences among business environmental factors (dynamism and complexity), strategic orientation, organizational capabilities, and product-service complementarity that may affect the performance of servitization, including customer responsiveness, service quality, and financial performance.

Six Sigma vs. Performance Solutions By Milliken

Full Paper

Mark McMurtrey (University of Central Arkansas)

Continuous improvement plays a huge role in managing processes and developing best practices. The two types or methodologies that will be examined here are Six Sigma and, perhaps the less well known, Performance Solutions by Milliken. This paper focuses on the dual use of them by a world-class manufacturer.

A Typology of Service Process Automation in a Quasi-Manufacturing Service Setting

Abstract

Ping Wang (Texas A&M University at Galveston)

Based on a sample of 20 best productive container terminals worldwide, a multiple case study was conducted to explore the strategic alignment between strategic operational focus and the level of service automation. A typology of service process automation in the quasi-manufacturing setting was proposed to facilitate decision making.

Can Lean Practices Facilitate Service Customization?

Abstract

Mohammed Raja (York College of Pennsylvania), Uzay Damali (University of Victoria), Mehmet Barut (Wichita State University), Ravi Narayanaswamy (University of South Carolina Aiken)

This study examines the effect of self-service technologies and lean service practices in the management of "front office" service customization. Variability is managed rather than eliminated or reduced. Over 200 lean service providers, using self-service technologies in the United States will be surveyed. Data collected will be analyzed using SEM.

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Sunday, Nov 22nd, 2015, 8:30-10:00 a.m. | Columbia

RESEARCH-SOURCING: Characteristics of sourcing choices and behavior

Chair: Gurkan Akalin (Eastern Illinois University)

Revisiting Prospect Theory and the Newsvendor Model

Abstract

Chirag Surfi (UOIT), Dina Ribbink (Western University)

The literature is divided in its application of prospect theory to the Newsvendor model. Elaborating on this problem in a behavioural experiment, we explore the theoretic application further and develop managerial implication. Specifically, we explore the role of salvage value and learning on the Newsvendor's behaviour.

Analytical Hierarchy Process In Supplier Selection

Abstract

Norita Ahmad, Eric Jackson (American University of Sharjah)

We study the existing literature on multi criteria supplier selection, analyze Analytic Hierarchy Process (AHP) and create a selection methodology to assist a global filtration design company in the United Arab Emirates in choosing the best supplier for pressure vessel manufacturers.

Exploring the Role of Buyer-Supplier Relationship and Organizational Culture in Supplier Social Compliance

Full Paper

Muhammad Shakeel Sadiq Jajja (Lahore University of Management Sciences), Muhammad Asif, Kamran Ali Chatha (Lahore University of Management Sciences), Frank Montabon (Iowa State University)

This paper presents a hypothesized model which seeks to argue that the impact of buyer-supplier relationship on social compliance of supplier is moderated by supplier's organizational culture. Empirical data regarding social compliance practices of apparel industry of Pakistan will provide insights into social compliance in global buyer-supplier relationship.

The organizational antecedents of bribery acceptance

Abstract

Manuela Oliveira Santos (UNISINOS), Iuri Gavronski (UNISINOS), Wagner Ladeira (UNISINOS)

Bribery is an important source of concern for the buying firm. What organizational antecedents elicit the acceptance of bribery by purchasing agents? We report the results of a series of laboratory experiments where respondents are induced to behave unethically to identify such antecedents.

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Sunday, Nov 22nd, 2015, 8:30-10:00 a.m. | Issaquah A

RESEARCH-STRATEGIC MANAGEMENT: Adoption and Diffusion of New Technology and Business Model

Chair: Kenneth Galluppi (ASU)

Initiation, Adoption, and Routinization of New Technologies in the Energy Industry

Abstract

Ronald James Salazar (University of Houston - Victoria), Greg Rawski (University of Evansville), Don Hudson

This is research that investigates how important technologies are adopted and how initiation, adoption and diffusion are influenced by organizational context in the Energy Industry. Drawing on survey data for its results the paper presents interesting findings of significance for theorists and practitioners.

New Technology Diffusion: Empirical Results from Energy Sector

Abstract

Ronald James Salazar (University of Houston - Victoria), Greg Rawski (University of Evansville), Don Hudson

This empirical study explores the impact of organizational factors and characteristics of product and process technologies on their diffusion within the firm. The initial findings from our survey of the energy industry will be presented.

Using CRC Cards For Capturing Complex Community Planning Of Impacts Due to Changes in Extreme Weather Frequencies and Magnitude

Abstract

Kenneth Galluppi (ASU), Hana Putnam, Nancy Selover, Nalini Chhetri (Arizona State University)

Community planning for changes in the frequency or magnitude of extreme weather requires a complex analysis of impacts and risk strategies. CRC-Cards is a powerful technique to engage a broad set of decision-makers in collaborative analysis and planning. This talk is a case study of complex planning for climate resiliency.

Examining Determinants of Open Business Model Adoption

Abstract

Phyu Phyu Aung Myint (University of Texas - Pan American)

Firms are increasingly adopting open strategy to enhance value creating and value capturing capabilities. A firm's adoption of open strategy can be influenced by a number of factors. This research examines the effects of leadership, organizational and environmental characteristics on the likelihood of a firm's adoption of open business model.

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Sunday, Nov 22nd, 2015, 8:30-10:00 a.m. | University

RESEARCH-SUPPLY CHAIN DESIGN: Behavioral Issues in Supply Chain Management

Chair: Anto Verghese (Univeristy of Houston)

Supply Chain Leadership

Abstract

Anto Verghese (Univeristy of Houston), Xenophon Koufteros (Texas A&M University-College Station)

Using 207 survey observations, we examine the impact of leadership behaviors on inter-firm relationships. Specifically, we demonstrate, in the context of buyer-supplier relationships, transformational leadership behavior has a postivie impact while transactional leadership behavior has a negatively impact.

Antecedents of Supply Chain Integration: Intergroup Emotions as Predictors of Behavior

Abstract

Melania Duarte (ESADE Business School), Frank Wiengarten (ESADE), Cristina Gimenez

Previous research has established the link between performance improvement and supply chain integration (SCI). However, the behavioral aspects for the achievement of integration have not been explored to a sufficient extent. This research takes a behavioral perspective on group dynamics to further explore antecedents of SCI.

The Role of Interfirm Cultural Compatibility and Communication in Supply Chain Performance

Full Paper

Jie G. McCardle (Idaho State University), Tom Ottaway (Idaho State University), Dennis Krumwiede (Idaho State University)

We investigate the role of cultural compatibility in the context of supply chain performance. Results from SEM analyses of data from 687 manufacturers show that interfirm cultural compatibility enhances interfirm communication which is positively associated with supply chain performance.

Why Supplier Integration Fails? The Impact of Salesperson's Behavioral Constraints

Abstract

Jae-Young Oh (University of Kentucky), Scott Ellis (University of Kentucky), Clyde Holsapple (University of Kentucky)

Supplier integration in the NPD process suggests that a salesperson loses his/her traditional position of being a sole gatekeeper to communicate with a buying firm. Drawing from sociotechnical system theory, we explore how direct communication of an engineer with a buying firm affects salesperson's behavioral constraints and his/her performance.

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Sunday, Nov 22nd, 2015, 8:30-10:00 a.m. | Seneca

RESEARCH-SUPPLY CHAIN NETWORKS: Current Issues in Supply Chain Management

Chair: Craig A. Hill (Clayton State University)

An Empirically Grounded Model of Supply Chain Transparency

Abstract

Anton Shevchenko (York University), Mark Pagell, Moren Lévesque (York University), David Johnston (York University)

Using multiple case studies our study explores how firms achieve the requisite transparency to manage their supply chains. We explore the barriers and enablers of transparency inherent in complex networks of buyer-supplier relationships and external stakeholder involvement before discussing firm strategies for managing escalating requirements for transparency.

Benchmarking Supply Chain Collaboration using Data Envelopment Analysis

Full Paper

Shikha Aggarwal, Manoj Srivastava, Vijay Aggarwal (MDI Gurgaon)

In this study, we have developed a framework to benchmark supply chain collaboration using Data Envelopment Analysis. A list of input and output parameters for DEA framework was identified through focus group interviews.

Big Data's Influence on Supply Chain Management

Abstract

Craig A. Hill (Clayton State University), Keith Miller (Clayton State University)

Examples of applications of Big Data are mostly found in marketing and consumer research. Big Data holds many possibilities in Supply Chain Management; particularly in providing better customer service and improved logistics. Challenges exist in balancing advancements in business capabilities with increasing concerns in security and consumer privacy.

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Sunday, Nov 22nd, 2015, 8:30-10:00 a.m. | Boren

RESEARCH-SUPPLY CHAIN RESILIENCE: Cognition and Supply Chain Resilience

Chair: Pam Manhart (Iowa State University)

Learning to Become Resilient, A Cognitive Perspective of Supply Chain Disruption

Abstract

Pam Manhart (Iowa State University), Jennifer Blackhurst (University of Iowa)

Firm resilience toward supply chain disruptions is the focus of this study from the perspective of heterogeneous learning. While interruptions seem as ubiquitous as change, each disruption is unique and distinct. Learning occurs at the organizational level to enable preparedness and responsiveness for the next disruption.

The Association between Operational Glitches and External Quality Failures: The Mitigating Role of Transactive Memory Systems

Full Paper

Diogo Cotta (IE Business School), Fabrizio Salvador (IE Business School), Johnny Rungtusanatham (The Ohio State University)

We argue that firms that make use of a transactive memory system when facing unexpected situations are better able to prevent operational glitches from becoming external quality failures. We test this hypothesis on a sample of European industrial manufacturers through a survey of multiple informants from each firm.

The Impact of Sensing and Response Capabilities on Supply Chain Performance

Abstract

Soomin Park (University at Buffalo-SUNY), Michael J Braunscheidel (Canisius College), Nallan Suresh (University at Buffalo-SUNY)

Defining Supply Chain Agility parsimoniously in terms of a sensing and response capabilities, and re-conceptualizing this construct, we explore their relationship empirically with supply chain performance drawing from Operations, Marketing and Information Systems literatures. Both capabilities are shown to have an impact on performance, especially when they are aligned together.

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Sunday, Nov 22nd, 2015, 8:30-10:00 a.m. | Cedar A

RESEARCH-SUSTAINABILITY: Global Environmental Operations

Chair: Mohammed Khurram S. Bhutta (Ohio University)

A Cross-National Study on Environmental Management Decision Making

Abstract

Sina Golara (Arizona State University), Arash Azadegan (Rutgers University)

What drives developing country managers to raise their environmental investments? This study investigates how environmental investment decisions are affected by country level factors. Specifically, we design an experiment to compare investment patterns of 300 managers from Brazil, China, and India in the face of different contextual conditions.

A Study on Sustainable Supply Chain Management in GCC Countries

Abstract

MohammedNishat Faisal (Qatar University)

The present research examines the extent of sustainability in context of supply chains. It analyses the annual sustainability reports developed by the organizations in the GCC countries with a focus on Qatar to understand whether sustainability practices are now extended to supply chains to achieve a truly sustainable system.

Antecedents and Consequences of Green Operations Management in Chinese SMEs: the Mediating role of Green Absorptive Capacity

Abstract

Tianyu Zhu (Yonsei University), Jua Chung (Yonsei University), Soonhong Min

We propose potential antecedents and consequences of green operations management (GOM) in an integrative research developed by integrating organizational learning and institutional theory.

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Sunday, Nov 22nd, 2015, 8:30-10:00 a.m. | Ravenna A

RESEARCH-SUSTAINABILITY: Sustainable Manufacturing

Chair: Shad Dowlatshahi

A Study on Organizational adjustments due to Green IT

Full Paper

Lutfus Sayeed (San Francisco State University), Alberto Onetti, Marco Talaia

The objective of the present study is to empirically explore the impact of the implementation of Green IT measures on organizational resources in the US and European firms. The findings suggest significant relationship between the Green IT adoption practices and reconfiguration of several IT and non-IT resources.

Drivers and Performance Outcomes of Sustainable Manufacturing Practices

Abstract

Sirish Kumar Gouda (Indian Institute of Management Bangalore), Haritha Saranga (Indian Institute of Management Bangalore)

We study the impact of stakeholder pressure and customer willingness to pay on firm's environment and social sustainability practices. We also look at the impact of these practices on economic, social, environmental and operational performance. Our findings suggest that sustainability practices have a positive impact on sustainability and quality performance.

Environmental Practice Adoption and the Impact of Public Environmental Controversies

Abstract

Rick Hardcopf (University of Minnesota-Twin Cities), Rachna Shah (University of Minnesota-Twin Cities)

Manufacturers adopt environmental practices for many reasons, including the desire to be regulatory compliant, achieve competitive advantage, and realize legitimacy. But what happens to adoption when their goals are not achieved, i.e. they experience negative environmental publicity? This empirical study evaluates this question leveraging secondary data.

Sunday, Nov 22nd, 2015, 10:00-10:30 a.m.

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Sunday, Nov 22nd, 2015, 10:00-10:30 a.m. | Grand Ballroom Pre-Function Area

COFFEE BREAK 3: Sunday Morning

Sunday, Nov 22nd, 2015, 10:30 a.m.-12:00 p.m.

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Sunday, Nov 22nd, 2015, 10:30 a.m.-12:00 p.m. | Aspen

KEYNOTE 2: New Frontiers for Improving Campus' Student Success: Harnessing the Power of a Structural Equation Modeling (SEM) Approach

Chairs: Shawnee Vickery (Michigan State University), Natasa Christodoulidou (California State University, Dominguez Hills)
Presenters: Dr. Ellen Junn (California State University), George Marcoulides (University of California, Santa Barbara)

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Sunday, Nov 22nd, 2015, 10:30 a.m.-12:00 p.m. | Columbia

Power and trust in buyer-supplier relations

Chair: Hugo DeCampos (Wayne State University)

Power Imbalance in Supply Chains: Antecedents and Repercussions

Abstract

Fei Song, Frank Montabon (Iowa State University)

In buyer-suppliers relationships, power is often used by firms to control behaviors or influence decisions of other members. Yet little is known about how power imbalance is created and what drives power usage in dyadic relationships. This paper will investigate the antecedents of power imbalance and how they affect performance.

Governance Mechanisms as Signals for Trust and Control in Inter-organizational Relationships

Abstract

Issam Moussaoui (University of Arkansas), Christian Hofer (University of Arkansas)

We examine how early interactions in inter-organizational relationships bear on the relationships' long-term viability. We contend that early governance mechanism negotiations serve as signals for partner trustworthiness and the level of control to be expected in the relationship. Such signals indirectly influence commitment and predetermine the fate of the relationship.

An Investigation of the Impact of Trust, Knowledge, and Power/Dependence Asymmetries on Relational Performance in Buyer-Supplier Dyads

Abstract

Scott DuHadway (Michigan State University), Ram Narasimhan (Michigan State University), Sriram Narayanan (Michigan State University), Tobias Schoenherr (Michigan State University), Shawnee Vickery (Michigan State University)

Asymmetries in buyer-supplier relationships can have major implications on relational performance. Trust asymmetry, knowledge asymmetry, and power/relational dependence models are developed in order to understand how relational differences in these constructs can lead to conflict, opportunism, and innovation performance in buyer-supplier dyads.

Organizational Power Across the Disciplines: A Text-Analytic Exploration

Abstract

Alan Cannon (University of Texas at Arlington), Sridhar Nerur (The University of Texas at Arlington)

The ideal of a collaborative supply chain dominates research and practice, yet it is likely that effecting such depends on navigating imbalances of power among participants. We visit, via text analytics, multiple disciplines' understandings of power in an attempt to develop a more complete view of this under-explored construct.

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Sunday, Nov 22nd, 2015, 10:30 a.m.-12:00 p.m. | Redwood B

RESEARCH PANEL: The Future of Data Analytics: The Challenges and the Role of Academia and Industry Partnerships

Moderator: Surya Pathak (University of Washington Bothell)

Panelists: Sayan Pathak (Microsoft), David Haynor (University of Washington)

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Sunday, Nov 22nd, 2015, 10:30 a.m.-12:00 p.m. | Madrona

RESEARCH-DATA ANALYTICS: Applications of data analytics in academic environments

Chair: Kellie Keeling (University of Denver)

An Intelligent Decision Support System for Adaptive Prediction of Student Attrition

Full Paper

Ricardo Rosales, Mark Leung, Minghe Sun

In this study we propose a machine learning system designed to discover appropriate algorithm(s) for predicting student attrition. It was tested on a large sample of students from a large four-year public university. Results show that the system and inherent algorithms provide accurate predictions and insights into future policy.

Text Mining the Content of Masters of Business Analytics Programs

Abstract

Kellie Keeling (University of Denver), Robert Pavur (University of North Texas)

In this paper, we explore 112 Masters programs in the areas of Business Intelligence, Business Analytics, and Data Science (<http://www.mastersindatascience.org/specialties/business-analytics/>). We have created concept categories from the descriptions in order to compare and contrast these programs.

The Age of Data Analytics: Twenty-first Century Relationships between Statistics and Business Journals

Abstract

Mary Whiteside (University of Texas at Arlington), Sridhar Nerur (The University of Texas at Arlington), Mark Eakin (University of Texas at Arlington)

The emergence of data analytics in academic business research and programs of study suggests the more general question: how do top tier business and statistics journals relate in the 21st century? We use text analysis and build on the authors' previous citation analysis for the years 2000, 2005 and 2010.

Web Mining Applications and Societal Benefits

Abstract

Leila halawi (Embry Riddle Aeronautical University)

This research aims at introducing the concept of Web mining and its useful applications, particularly in e-commerce and e-services. Furthermore, examples of Web mining applications, drawn from the literature, businesses, governmental and educational organizations, and societal benefit areas will be presented.

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Sunday, Nov 22nd, 2015, 10:30 a.m.-12:00 p.m. | Leschi

RESEARCH-DECISION MODELS LOGISTICS: Effects of Distribution Shapes on Inventory Models in Global Supply Chains

Moderators: John Saldanha (West Virginia University), John E. Tyworth (Penn State University)

Panelists: Srinivas Talluri (Michigan State University), Stephen Disney (Cardiff University)

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Sunday, Nov 22nd, 2015, 10:30 a.m.-12:00 p.m. | Ballard

RESEARCH-EMERGING INFORMATION TECHNOLOGY: Adoption of emerging information technologies

Chair: Mohammad I. Merhi (Indiana University South Bend)

A Delphi Study of RFID Adoption Trends in Retail

Full Paper

Mithu Bhattacharya (University of Detroit Mercy), Gregory Ulferts (University of Detroit Mercy), Terry Howard (University of Detroit Mercy)

In this exploratory study we present the results of a Delphi study consisting of 74 experts from different domains about RFID adoption trends in retail including adoption status, popular technology choices, and diffusion strategy. The objective is to develop better RFID adoption models and strategies for informed RFID adoption decisions.

An Empirical Investigation into the Factors Influencing the Adoption of Cloud Computing Technologies

Full Paper

Thiagarajan Ramakrishnan (Prairie View A&M University), Louis Ngamassi (Prairie View A&M University), Shahedur Rahman (Prairie View A & M University)

The purpose of this study is to examine the factors that influence the adoption of cloud computing. We draw on the literature from technology acceptance and cloud computing to develop our adoption model. We empirically test the model present our results. These results have theoretical and practical implications.

Determinants of Electronic Word of Mouth on Social Network Sites

Full Paper

Mohammad I. Merhi (Indiana University South Bend), Khaled I. Khasawneh

This study proposes a model that identifies the motivational factors that may influence electronic word of mouth on social network sites. We propose that self-involvement, self-enhancement, concerns for others, and message intrigue are determinants of electronic word of mouth on social network sites.

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Sunday, Nov 22nd, 2015, 10:30 a.m.-12:00 p.m. | Virginia

RESEARCH-GLOBAL SUPPLY CHAIN: Economics of Global Outsourcing and Procurement

Chair: Ziping Wang (Morgan State University)

Determining Strategic Incentives for Attracting Outsourcing: A Model for Host Entities

Full Paper

Qiannong Gu (Ball State University), Thawatchai Jitpaiboon (Ball State University), John Wang (Montclair State University)

The facility location problem is an essential element of a firm's global outsourcing strategy. This study focuses on developing a model for host entities which normally provides incentives to attract outsourcing investment. The model proposed in this study provides an analytical tool for the host entity to determine the incentive.

Global Supply Chain Decisions in Multiple Markets: Impact of Transfer Pricing

Full Paper

Ziping Wang (Morgan State University), Xiaohang Yue

We construct a new framework of optimal decision making in global supply chains with multiple production sites to multiple markets. Our analytical model provides global firms with allowable regions of cost parameters where offshoring is a profitable decision. In addition, our model discovers the existence of an interesting phenomenon-cross production.

Macroeconomic Influence on Procurement Strategy's SC cost Performance: A Systems Dynamics Simulation Study

Full Paper

Ulrich Schmelzle (The University of Tennessee, Knoxville), Wendy Tate (University of Tennessee-Knoxville)

The research focuses on the moderating influence of macroeconomic factors on the total supply chain cost performance of inventory management and purchasing contracting decisions. Based on archival DRAM market data, system dynamics simulation will be applied to guide managerial decision-making.

Supply Uncertainty and firm economic performance in developing economy environments: Examining the role of buyer-supplier relationships

Full Paper

Kwasi Amoako-Gyampah (University of North Carolina at Greensboro), Kwabena Gyasi Boakye (Georgia Southern University), Samuel Famiyeh (Ghana Institute of Management & Public Administration), Ebenezer Adaku (Ghana Institute of Management & Public Administration)

Transactions cost economics theory suggests that firms alter their governance structures with suppliers in an environment of high uncertainty. Using data from firms in Ghana, we demonstrate with supply uncertainty, a governance structure that emphasizes supplier relationship management will lead to enhanced competitive capabilities and increased firm performance.

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Sunday, Nov 22nd, 2015, 10:30 a.m.-12:00 p.m. | Redwood A

RESEARCH-HEALTHCARE: As the Technology Takes Center Stage in Healthcare

Chair: Nese Hikmet (University of South Carolina)

Exploring Factors Affecting Information Security Management in Hospitals

Full Paper

Menderes Tarcan (Eskişehir Osmangazi University School of Health), Nese Hikmet (University of South Carolina), Ben Schooley (University of South Carolina), Gamze Yorgancıoğlu (Hacettepe University)

This study explored factors that affect information security in hospitals. We analyzed survey responses from management level and staff level employees responsible and accountable for information technology, informatics, and information security across five hospitals in the western region of Turkey.

Privacy and Security Concerns on Online Use of Personal Health Information

Abstract

Bernard T Han (Western Michigan University), Mike Tarn (Western Michigan University), Muhammad Razi (Western Michigan University)

A review is conducted to investigate what are the concerns from the perspective of health consumers with respect to their perception of security of health information technology and personal values of PHI. Our study is to develop a strategy to expedite consumers' engagement in using EMR and minimize their concerns.

The Impact Of Hospital Information Technology Adoption Process On Quality Of Care

Abstract

Luv Sharma (The Ohio State University), Aravind Chandrasekaran (The Ohio State University)

This paper looks at the process of adoption of Health Information Technologies (HIT) for 979 hospitals to identify an ideal implementation strategy. We define process of adoption in terms of the sequence and intensity of adoption of HITs. Results demonstrate an ideal sequence whose benefits depend on the intensity of adoption.

Analysis of the Integration of Information Technology Security and Healthcare Logistics

Abstract

Rebecca Scott (University of North Carolina Wilmington), Bartłomiej Hanus (Emporia State University)

We examine the impact of information security on logistics of healthcare services. A discussion panel and interviews were used to collect data. The findings provide insights on the integration process of healthcare logistics with information security and its impact on customer service levels. Implications for logistics design are discussed.

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Sunday, Nov 22nd, 2015, 10:30 a.m.-12:00 p.m. | Jefferson A

RESEARCH-INFORMATION SECURITY: Effective Management of Information Security

Chair: Mayur Desai (Texas Southern University)

Information Security Analysis on Breaches: Data Envelopment Analysis

Full Paper

Jeff Peck, C. Christopher Lee (Central Connecticut State University), Seong-Jong Joo (Central Washington University-Des Moines), Carlo Smith (Central Washington University)

Information security is an ever-growing field that requires constant attention in just about every industry today. Our study analyzes information security breaches that occur in companies using data envelope analysis. We found that the retail industry is relatively least efficient for dealing information security breaches.

Investigation of Online Healthcare Data-Sharing Platform Contribution Behavior in Presence of Privacy Concerns

Abstract

Adel Yazdanmehr (University of Texas at Arlington), Fereshteh Ghahramani (University of Texas at Arlington), Jie Zhang (University of Texas at Arlington)

This paper concentrate on a particular type of social media centers on the patients, called online patient communities (OPC). We investigate privacy concern disparities in patient's contribution behavior considering the severity of disease namely acute and chronic. Hypotheses will be tested using the secondary data gathered from a well-known OPC.

Cybersecurity and e-commerce risks: A model framework for small businesses

Full Paper

Mayur Desai (Texas Southern University), Kamala Raghavan (Texas Southern University)

Small businesses are becoming painfully aware that their small size does not provide them immunity from the risk of a cyber-attack. This paper discusses the SEC disclosure guidance for registrants that can provide a model framework for small businesses and offers steps to strengthen cybersecurity.

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Sunday, Nov 22nd, 2015, 10:30 a.m.-12:00 p.m. | Capitol Hill

RESEARCH-INFORMATION SYSTEM DESIGN: Information System Success Factors

Chair: Ozgur Turetken (Ryerson University)

Conceptual Data Vault Modeling and its Opportunities for the Future

Full Paper

Aarthi Raman (Northern Kentucky University), Teuta Cata (Northern Kentucky University)

This paper presents conceptual view of Data Vault Modeling (DVM), its architecture and future opportunities. It also covers concepts and definitions of data warehousing, data model by Kimball and Inmon and its evolution towards DVM. This approach is illustrated using a realistic example of Library Management System.

The Effects of Decision-Maker Characteristics on Search Effort in Mobile Application Adoption

Full Paper

Fengkun Liu (Kent State University), Alan Brandyberry (Kent State University), Mary Hogue (Kent State University), Greta Polites (Kent State University), Tuo Wang (Kent State University)

This study investigates the effect of decision-makers' characteristics on the level of search effort employed when adopting mobile apps. Our results show that their level of search effort is found to differ based on other personal characteristics such as innovativeness, technological self-efficacy, and resource constraints.

The Mediating Role of ERP-enabled Application Integration on ERP Benefit

Full Paper

Joseph K Nwankpa (The University of Texas Rio Grande Valley), Yaman Roumani (Eastern Michigan University)

The study proposed that existing ERP factors, namely current ERP performance and extent of ERP implementation, affect ERP-enabled application integration, which in turn influences overall ERP benefits. A firm-level survey was used to collect data, and structural equation modeling was used to test the hypotheses. The findings support the hypotheses.

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Sunday, Nov 22nd, 2015, 10:30 a.m.-12:00 p.m. | Medina

RESEARCH-LEAN QUALITY SIX SIGMA: International Lean and Quality Management

Chair: Mohammed Khurum S. Bhutta (Ohio University)

An Empirical Investigation regarding the Universal Effectiveness of TQM Practices across National Boundaries

Full Paper

Young Sik Cho (Jackson State University), Joo Jung (University of Texas-Pan American)

This study examines whether the 'universal effectiveness of TQM practices' across national boundaries actually exists or not. A survey research was conducted, and the test results represented that a firm's contingency factors, such as national economic maturity and industry type, could result in heterogeneous implementation of the firm's TQM program.

Empirical Study on Quality Management Practices in Vietnamese Manufacturing Companies

Abstract

Anh Phan (Vietnam National University, Hanoi), Yoshiki Matsui (Yokohama National University)

Study empirically investigates the implementation of quality management practices in Vietnamese Manufacturing Companies and its impact on operation performances. Based on data collected from 25 manufacturing, the analysis results indicate that process control, quality training and top management leadership significantly impact on different dimensions of quality performance

Lean Implementation in Central Eastern European Health Care Based on Best Practices

Full Paper

Andras Herczeg (Corvinus University of Budapest), Marta Lorincz (Henkel Corporation)

The lean philosophy became one of the most popular Japanese quality management approaches in the West, which aims to increase efficiency. The lean concept has been already proven in emergency rooms in developed countries. The aim of the paper is to evaluate whether this concept is transferrable to emerging countries.

Lean Management Implementation in a Developing Country: The Case of Pakistan

Abstract

Mohammed Khurum S. Bhutta (Ohio University), Gokhan Egilmez (North Dakota State University), Faizul Huq (Ohio University), Kamran Ali Chatha (Lahore University of Management Sciences)

This research looks at the implementation and adoption of Lean Management practices across several industry sectors in Pakistan. 100 companies were surveyed across five industries namely, Manufacturing-Steel; Meat processing; Textile; Leather-Shoe; and the Pharma-Chem. This paper presents the findings on Lean management practices from these industries in Pakistan.

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Sunday, Nov 22nd, 2015, 10:30 a.m.-12:00 p.m. | Kirkland

RESEARCH-OPERATIONS MANUFACTURING: Inventory Management

Chair: Pankaj Dutta (Indian Institute of Technology Bombay)

Decisions on single period procurement policy with demand updating using human judgment

Abstract

Pankaj Dutta (Indian Institute of Technology Bombay), Madhukar Nagare (Veermata Jijabai Technological Institute (VJTI), Mumbai)

In the classical single-period (newsboy) problem, ordering quantity is made best on statistically forecasted-demand for the whole period/season. We present an extension by incorporating human-judgments into the customer-demand in face of risk-cost. The objective is to determine the revised optimal order-quantity and expected-profit considering the impact of human-judgment on demand.

Pricing of Extended Warranty Contracts in Remanufacturing Environments: Implications for Revenue and Inventory Management

Abstract

Osman Tuncay Aydas (University of Wisconsin-Milwaukee)

We study manufacturer's strategy to determine its optimal Extended Warranty Contract price for a bundle of products with different product life expectancies. With the use of dynamic programming, we aim to determine the optimal pricing policy and spare parts inventory keeping strategy for the manufacturer in a remanufacturing environment.

Quantitative modeling for management inventory under upstream and downstream trade credits

Abstract

Faisal Badi Al-khateeb

In this paper, we develop a supplier-retailer- customer supply chain system in which: (a) the retailer receives an upstream full trade credit from the supplier and (b) the deterioration rate is non-decreasing over time and near 100% particularly close to its expiration date.

Setting Bin Sizes for Two-Bin Inventory Control Systems

Abstract

John Kanet (University of Dayton)

This variation of the two-bin replenishment idea, although prevalent in application has not been thoroughly analyzed in the research literature. Derived here are the optimum bin size and the implied customer service level. The model exemplifies that optimum order quantities are not necessarily where ordering and holding costs are equal.

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Sunday, Nov 22nd, 2015, 10:30 a.m.-12:00 p.m. | Juniper

RESEARCH-OPERATIONS STRATEGY: Game Theory Applications in Operations Strategy

Chair: Thawatchai Jitpaiboon (Ball State University)

Consumer Preference Mismatch And Channel Choice Decisions Under Competition

Abstract

Kunpeng Li (Utah State University), Dilip Chhajed (University of Illinois at Urbana-Champaign), Suman Mallik

We consider a product consisting of two components sold by two firms. The consumers choose to purchase a product that better matches the specifications of their ideal product. Using a duopoly model, we study the effects of consumer preference mismatch on channel integration strategies.

Analyzing a Firm's Cloud Deployment between Cloudbursting and Private Cloud: From the Service Supply Chain Perspective

Abstract

Li-Ming Chen (National Chengchi University)

Cloud bursting is a hybrid computing resource model in which a firm firstly uses its own internal computing resources and then bursts to a public cloud for extra resources as needed. This paper develops quantitative models to examine whether a firm who has on-site capacity can be benefited from cloud bursting.

Showrooming and the Length of Product Line

Abstract

Yilong Luo (Illinois Institute of Technology), Jiong Sun (Illinois Institute of Technology)

Showrooming behavior can result in the brick store losing potential customers. We show that such showrooming behavior can soften competition and hence can benefit both retailers. We also show that this showrooming behavior may or may not induce the brick retailer to reduce the length of the product line it carries.

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Sunday, Nov 22nd, 2015, 10:30 a.m.-12:00 p.m. | Ravenna B

RESEARCH-SOCIAL MEDIA: Social Media Strategy

Chair: CHEN LIN

A Framework for Developing a Comprehensive Social Media Strategy

Abstract

Candace Deans (George Mason University)

This paper provides a framework for developing a comprehensive social media strategy that is aligned with the company's business strategy. Close collaboration is required between the marketing function and information technology (IT). This research is based on interviews with Chief Information Officers (CIOs) and Chief Marketing Officers (CMOs).

Winning Strategies in Dynamic Innovation Tournaments

Abstract

Indika Dissanayake, Jie Zhang (University of Texas at Arlington)

Using weekly performance dataset of 25 tournaments collected from innovation tournament platform, we studied the winning strategies of solvers in these dynamic tournaments setting. Our econometrics analysis uses a negative binomial model, and suggests that solvers strategically exert efforts to enhance their probability of winning.

Social Media Management Strategies and Service Operations

Full Paper

Run Niu (Webster University), Ying Fan (University of Colorado Colorado Springs)

We investigate social media management strategies of service businesses. Interviews with 14 service businesses showed that social media management has escalated to an important daily responsibility of managers. Used for different purposes towards different customer groups, social media can be categorized into two groups based on different content generation mechanisms.

Two Dimensional Competition Between Two Firms Establishing a Social Network Enabled Channel

Abstract

GULVER KARAMEMIS (UNIVERSITY OF FLORIDA), Narendra Agrawal (Santa Clara University), Subhajyoti Bandyopadhyay (University of Florida), Asoo Vakharia (University of Florida)

Social networks(SN) influence the relationships between individuals and organizations. However, due to myriad data and consumers' security concerns, retailers have been slow to dive into SN as a sales channel. Our research sheds light on the question of when retailers should consider adding SN channel to their existing channel architecture.

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Sunday, Nov 22nd, 2015, 10:30 a.m.-12:00 p.m. | Issaquah A

RESEARCH-STRATEGIC MANAGEMENT: Open innovation, strategy, and corporate social performance considerations

Chair: Bhavik K Pathak (Indiana University South Bend)

Digital Strategy Repertoire and Competitive Performance in Online Retailing

Full Paper

Bhavik K Pathak (Indiana University South Bend)

We draw on two strategic management theories on competitive strategy to develop hypotheses relating digital strategy repertoires and competitive performance for online retailers. The strategic repertoires of digital systems enabled product-market strategy and digital systems sourcing strategy are examined and data of top online retailers are analyzed.

Interplays of Open Innovation, Dynamic Capabilities, and Environmental Dynamism

Full Paper

Colin C.J. Cheng (National Kaohsiung First University of Science and Technology), Yongmei Xu (Jinan University), Chwen Sheu (Kansas State University)

This study investigates two types of firm capabilities (network and innovation) that would best support open innovation activities (inbound and outbound) to achieve radical innovation with the consideration of environmental dynamism.

Top Management Team Member Related to CSR: Study on its Impact on Corporate Social Performance

Full Paper

Yungu Kang (Korea University Business School), Soolim Park (Korea University Business School), Jingoo Kang

We use upper-echelon theory, attention-based view and AMO model to analyze the impact of CSR related TMT members on CSP. We divide CSR related TMT members into CSOs and TMT/CSR related board committee members and analyze their influences on positive/negative CSP. Executive/KLD ratings data for firms in S&P500 are used.

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Sunday, Nov 22nd, 2015, 10:30 a.m.-12:00 p.m. | University

RESEARCH-SUPPLY CHAIN DESIGN: Environmental Issues in Supply Chain Management

Chair: Kefeng Xu (University of Texas at San Antonio)

Emissions and Firm Performance under Competitive Environment

Abstract

Yan Dong (Darla Moore School of Business, University of South Carolina), Craig Carter (Arizona State University), Kefeng Xu (University of Texas at San Antonio), sining song

Firms demonstrate different behaviors in emissions reduction under competitive environment. This study focuses on the effect of emissions on the financial performance of firms under competition, and empirically examines how firms may improve financial performance by implementing emissions control programs.

Socially Responsible Supply Chain Designs for the Bottom of the Pyramid

Abstract

Satyanarayana Prattipati (University of Scranton), Kingsley Gnanendran (University of Scranton)

Socially responsible supply chains can be significant in the alleviation of poverty at the Bottom of the Pyramid. We review illustrative cases where persons at the BOP participate as both producers and consumers. The patterns observed can be developed into a flexible and decomposable supply chain design for inclusive growth.

Sustainable Supply Chain Strategy and Practices Coalignment and its Role on Performance.

Abstract

Sergio Palacios (New Mexico State University), Carlo Mora (New Mexico State University)

In this article we review the literature in sustainability, sustainable supply chain management and performance. We propose a conceptual model that delineates the role of a strategic fit between sustainable supply chain strategy (SSCS) and sustainable supply chain practices (SSCP), on performance, moderated by environmental and contextual factors.

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Sunday, Nov 22nd, 2015, 10:30 a.m.-12:00 p.m. | Seneca

RESEARCH-SUPPLY CHAIN NETWORKS: Supplier Management

Chair: Myung Kyo (M.K.) Kim (Kansas State University)

An empirical study of the effectiveness of supplier management strategies

Abstract

EUNGSOK SONG (Korea University), DaeSoo Kim (Korea University Business School), MyungSub Park

This study intends to empirically analyze the impact of supplier selection criteria on supplier performance moderated by differentiated supplier management strategies. Based on the data collected from Korean manufacturing companies, we investigate the proposed relationships using regression analysis. The findings provide various managerial insights on the effectiveness of supplier management.

Increasing supply chain sustainability through blind collaborative procurement

Abstract

Pan Grosse-Ruyken (Swiss Federal Institute of Technology)

As sustainable operations along the entire supply chain gain importance, firms increasingly attempt to practice sustainable supply chain management (SSCM). However, firms often fail to successfully collaborate with their suppliers. Hence, we introduce a viable framework, the blind collaborative procurement model, for breaching barriers among upstream partners.

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Sunday, Nov 22nd, 2015, 10:30 a.m.-12:00 p.m. | Boren

RESEARCH-SUPPLY CHAIN RESILIENCE: Examining Flexibility in the Supply Chain

Chair: Rajeev Sawhney (Western Illinois University)

Antecedents of Supply Chain Flexibility: Upstream, Process and Downstream Factors

Full Paper

Rajeev Sawhney (Western Illinois University), Narendar Sumukadas (University of Hartford)

Companies compete on the strengths of their supply chains. An important criterion for supplier selection is flexibility. Despite numerous benefits claimed, flexibility is not well understood, especially supply chain flexibility. We scrutinize the antecedents of supply chain flexibility at upstream, process, downstream stages.

Supply Chain Management Performance: The Impact of Sharing and Communication on Flexibility and Partner Satisfaction

Full Paper

Suman Niranjana (Savannah State University), Katrina Savitskie (Savannah State University), Stephen R Spulick (United States Army Medical Material Agency (USAMMA))

The model was tested with panel data from 105 experienced, US based supply chain managers across multiple industries responding about their supply chain operations. The outcome found the hypothesized significance was present in all but one relationship, indicating the importance of the variables on both partner satisfaction and subsequent performance.

Dynamic Flexibility—Operational Definition, Measurement & Analysis

Full Paper

Baohua Qin (University of Toledo)

This paper analyzes the dimensions and measurement of flexibility using systems theory from dynamic perspectives. Four dimensions i.e., range of variety, response time, adjustment cost and variance of performance, are presented.

Study on SCM lead time reduction for changes in the manufacturing process

Abstract

Jiyoon Angela Son (Seoul National University), Soo-wook Kim (Seoul National University)

Change in SCM is scheduled to be accelerated through the simplification of the manufacturing process with the new technologies (like 3D printer). In this study, review the existing research on the SCM change and determine the characteristic of the upcoming SCM.

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Sunday, Nov 22nd, 2015, 10:30 a.m.-12:00 p.m. | Diamond B

RESEARCH-SUPPLY NETWORKS: Managing Relationships in Strategic Sourcing and Supply Networks

Chair: John Ni (University of Rhode Island)

Contingency Factors of Bargaining Power in a Supplier's Networks of Major Customers

Abstract

Yoon Hee Kim (Georgia Southern University)

Some studies on supplier-customer relationships suggest that the power dynamics in upstream relationships may be different from those in downstream relationships (Cool and Henderson 1998). This study explores the contingency factors that may affect the economic effects of bargaining power in a supplier's network of major customers.

Responding to Suppliers Suffering Financial Distress

Full Paper

Stephan M. Wagner (ETH Zürich), Christoph Bode (University of Mannheim), Moritz A. Peter (International School of Management)

Buying firms need to evaluate carefully how to respond to financially distressed suppliers, and project the outcome of different response options. In this empirical research, we conceptualize response options, investigate the influence of dependence on the response, and the consequences of the buying firm's response for the supplier's financial recovery.

A Longitudinal Analysis of Supplier Working Relations in Component Markets

Abstract

Steven Carnovale (Portland State University), John W Henke (Oakland University), Sengun Yeniyurt (Rutgers University)

Study utilizes a longitudinal-dataset that includes information regarding supplier working-relations and sourcing-transactions in the North-American Automotive industry. Econometric models are developed/estimated utilizing information provided by first-tier component-suppliers to major OEMs. Estimates reveal the interplay between past interactions, future expectations, and working relations and their effect on transactional-decisions in component markets.

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Sunday, Nov 22nd, 2015, 10:30 a.m.-12:00 p.m. | Cedar A

RESEARCH-SUSTAINABILITY: Ethical Issues and Environmental Management

Chair: Elias Kirche (Florida Gulf Coast University)

Improving Measurement of Environmental and Social Performance by Incorporating Differences in the Cost of Social and Environmental Initiatives

Abstract

Usman Ahmed (Clarkson University), Asad Shafiq (CALIFORNIA STATE UNIVERSITY FULLERTON)

Measuring environmental and social (ENS) performance of firms is crucial for researchers and ethical investors. The most popular ENS evaluations are from the Kinder-Lydenberg-Domini (KLD) database. We use item-response-theory to develop measures of ENS performance that account for differences in cost required to improve along dimensions evaluated by KLD.

Managing Conflict Minerals: An Exploratory Study of Supply Chain Due Diligence

Abstract

Constantin Blome (University of Sussex), Martin C. Schleper (EBS University for Business and Law), Hannes Hofmann

Based on exploratory study with 27 semi-structured interviews within five European industries we provide insights into patterns of implementation, key motivational factors, barriers and enablers, and impacts of supply chain due diligence in mineral supply chains. Key findings help to mitigate conflicts and provide policy advice.

The Evolution of the Three Pillars of Sustainability

Full Paper

Azadeh Zamanian (University of Texas - Rio Grand Valley), Hale Kaynak (The University of Texas Rio Grande Valley)

Over the past three decades, implementation of sustainability practices have been widely discussed; however, its evolution has not been explored. Investigating the sustainability practices of nine firms listed in the Dow Jones Sustainability Index, this study indicates that the focus on environmental sustainability has outpaced social and economic development.

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Sunday, Nov 22nd, 2015, 10:30 a.m.-12:00 p.m. | Ravenna A

RESEARCH-SUSTAINABILITY: Sustainable Practices and Firm Performance

Chair: John Visich (Bryant University)

Co-alignment impact of sustainable practices on performance: A conceptual model*Abstract*

Tienhua Wu (Air Force Institute of Technology), Kuang-You Tien (National Chiayi University), Pei-Ju Chao (Toko University)
We first identifies three sustainable practices. Second, a co-alignment concept is used to examine the difference between the effects of simultaneous use and separate implementation of practices on competitiveness. The proposed model guides future empirical research and gain new insights for understanding environmental-performance relationships from a holistic perspective.

Design for Environment, Quality management innovation and firm performance*Abstract*

Sherry Avery (University of Texas at Tyler), Rajat Mishra (Stephen F. Austin State University), Venugopal Gopalakrishna-Remani (University of Texas at Tyler), Randy Napier (University of Texas at Arlington)

This study aims to explore the relationships between the constructs of quality management and environmental management and expect that they complement each other to positively impact the firm's economic and environmental performance- the research will test the direct and mediated effects.

Sustainability Management Practices of Food Manufacturers*Abstract*

Anna Land (University of Kassel), Stefan Seuring (University of Kassel), Madeleine Pullman (Portland State University)

Based on the findings of a systematic literature review and in-depth, semi-structured interviews with CEOs and sustainability managers of food manufacturers (N=24), we present the main drivers for sustainability initiatives, approaches to knowledge and risk management, and their respective effect on sustainability performance.

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Sunday, Nov 22nd, 2015, 10:30 a.m.-12:00 p.m. | Diamond A

Teaching Case Studies

Moderator: Elizabeth Thorne (The Case Centre)

Sunday, Nov 22nd, 2015, 12:00-1:30 p.m.

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Sunday, Nov 22nd, 2015, 12:00-1:30 p.m. | Grand Ballroom

DSI LUNCHEON and KEYNOTE 2: Game Changing Technology: How One Company is Helping Hotel Owners Make More Profitable Decisions

Chairs: Shawnee Vickery (Michigan State University), Natasa Christodoulidou (California State University, Dominguez Hills)

Presenter: Marco Benvenuti (Duetto)

Sunday, Nov 22nd, 2015, 1:30-3:00 p.m.

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Sunday, Nov 22nd, 2015, 1:30-3:00 p.m. | Eagle Board Room

ADMINISTRATIVE MEETING: European DSI Regional Annual Business Meeting

Chairs: Markku Kuula (Aalto University), Carmela Di Mauro (University of Catania)

Members: Jan Arlbjorn (University of Southern Denmark), Marco Sartor (University of Udine), Constantin Blome (University of Sussex), Sukran Nilvana Atadeniz (Yeditepe University), Bart MacCarthy (University of Nottingham)

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Sunday, Nov 22nd, 2015, 1:30-3:00 p.m. | Grand Ballroom B

CONSORTIA-STATISTICS BUSINESS SCHOOLS: Demonstrations of IBM, Tableau and Microsoft Software for Supporting Analytical Instruction

Moderator: Robert Andrews (Virginia Commonwealth University)

Panelists: Frank Tringali (IBM Corporation), Emma Trifari (Tableau Software)

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Sunday, Nov 22nd, 2015, 1:30-3:00 p.m. | Juniper

RESEARCH PANEL: Rigor and Relevance in Decision Sciences

Moderator: Jatinder N D Gupta (University of Alabama in Huntsville)

Panelists: Sunil Kumar (University of Chicago), Lisa Ellram (Miami University), Morgan Swink (Texas Christian University)

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Sunday, Nov 22nd, 2015, 1:30-3:00 p.m. | Diamond B

RESEARCH-CONSUMER BEHAVIOR: Demographic and Cross-Cultural Issues in Consumer Research

Chair: Steven Silver (San Jose State University)

Exploring the Implications of Senior Perception Needs toward the Leisure and Recreation Resources of Suburban-mountain

Abstract

Chin-Feng Lin (National Pingtung University)

This study based on the means-end chains and Kano model aims to understand the senior preferences and perception needs toward the leisure resources of suburban-mountain. The research can not only enrich the theoretical development but also practically provide the government with valuable information for recreation enhancement acts of suburban-mountain.

Is beauty in the beholder's eyes – consumer driven female model profiling

Abstract

Khurram Sharif

Proposed research tested a Female Model Profiling Framework. A questionnaire survey was utilized to collect the data. For analysis, two approaches were used. The first approach was based on regression. The second approach assessed the features of the models in terms of their deviation from the respondent expressed standard of beauty.

Value and Motive Content of Stories in Children's Readers of the Peoples Republic of China (PRC): 1950-2000

Full Paper

Steven Silver (San Jose State University), Yan Gao (Shanghai Jiao Tong University)

We use newly available resources of historical children's readers from the Peoples Republic of China (PRC) to examine trends in consumption-related values and motives across regimes. The measures that we assess introduce new scales for values in the use of conventional vs. informational goods and measures of social motives.

Consumer Quality Reference and Offshoring in Product Recalls

Full Paper

Yan Dong (Darla Moore School of Business, University of South Carolina), Kefeng Xu (University of Texas at San Antonio), sining song

Motivated by anecdotal evidence and equipped with new development in decision economics, we develop an endogenous consumer reference model to examine the consumer's willingness to buy in the events of product recalls, and construct an empirical study to associate value of recalls with firm profitability.

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Sunday, Nov 22nd, 2015, 1:30-3:00 p.m. | Madrona

RESEARCH-DATA ANALYTICS: Big data in supply chains

Chair: Surya Pathak (University of Washington Bothell)

An investigation of the drivers and impact of use of Supply Chain Analytics: An organizational information processing theory perspective

Invited Paper

Ravi Srinivasan (Loyola University Maryland), Morgan Swink (Texas Christian University)

We examine the drivers that influence firms to develop analytics capability and the underlying structures needed to gain operational performance. Using 206 responses from supply chain managers, we test our theoretical model under low versus high environmental dynamism.

Big Data (BD) in the Supply Chain

Abstract

Markham Frohlich (Indiana University - Kelley School of Business)

Big Data (BD) is characteristically collected from an assortment of sources and locations across time. Synthesizing the literature, this paper describes important sources of BD in supply chains. It also describes various methods for collecting and analyzing BD based upon a recent study at a large trucking company.

Evolution or Revolution? Sixty Years of Change in Management Science

Invited Paper

Surya Pathak (University of Washington Bothell), Srinagesh Gavirneni (Cornell University), Elliot Bendoly (Fisher College of Business, The Ohio State University), Hari Prasad, Sohini Roychowdhury (UW Bothell)

In this paper, we employ machine learning, cluster analysis, and network analysis as a tool to analyze 60 years of research published in Management Science journal. Of interest is to understand the interdependence of major topics in the discipline. As a discipline are we churning new knowledge too quickly?

Business Analytics and Operations Management: A Review

Abstract

Alina Chircu (Bentley University), Gang Li (Bentley University)

We present research examining the use of business analytics, big data and business intelligence methods in the field of operations management. We analyze over 1,000 academic and practitioner articles in this area using text mining methods and summarize patterns and gaps that can inform future research and practice.

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Sunday, Nov 22nd, 2015, 1:30-3:00 p.m. | Leschi

RESEARCH-DECISION MODELS LOGISTICS: Vehicle Routing and Scheduling

Chair: Jay R Brown (Loyola University Maryland)

Operational Efficiency of Local Truckload Operators

Abstract

Hossein Zolfagharinia (Wilfrid Laurier University), Michael Haughton (Wilfrid Laurier University)

Inspired by a real-life application, this study addresses a dynamic pickup and delivery problem for local operators. The main goal is to investigate the impact of potential factors on the carriers' operational efficiency. These factors, which are under the managerial influence, are diversion capability, re-optimization interval, and advance load information.

Vehicle Routing Problem with Driver Helpers

Abstract

Shih-Hao Lu (Iowa State University), Yoshinori Suzuki (Iowa State University)

Hiring seasonal driver helpers is a widely used method to deal with the surge of delivery demand. We develop a model to solve a newly defined vehicle routing problem with driver helpers, and perform computational experiments to show that, if route properly, the driver helpers can provide more capacity.

Comparative performance of heuristic algorithms for the last mile problem

Abstract

Jay R Brown (Loyola University Maryland), Maxim A Bushuev (Morgan State University)

The research compares performance of several heuristic algorithms for the last mile problem. The problem is modeled as

a circular region with a central depot and customers randomly distributed throughout the region. The results are analyzed for different distance metrics and numbers of customers.

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Sunday, Nov 22nd, 2015, 1:30-3:00 p.m. | Redwood B

RESEARCH-DECISION MODELS PROCUREMENT: Procurement Contracts

Chair: Fang Fang (University of Miami)

A Revisit and Revaluation of the Quantity Flexibility (QF) Contracts under Rolling Planning Horizon

Abstract

Wenming Chung (University of Texas at El Paso), Srinivas Talluri (Michigan State University)

High-tech companies typically adopt the QF contract to govern transactions of products over a long period of time. These companies may also reduce product prices due to the development of new technologies. This research seeks to investigate the role of price cuts in the QF contract under rolling planning horizon.

Coordinating Procurement Decisions in Multi-division Firms

Abstract

Fang Fang (University of Miami), Harihara Natarajan (University of Miami)

Central procurement organizations (CPO) of large firms must coordinate firm-wide procurement to leverage volume discounts from suppliers. Specifically, we examine how a CPO can design internal prices to maximize firm-wide cost savings. Our analysis of commonly-used internal pricing rules shows interesting impacts on vendor selection, divisional participation, and gain allocation.

Determining Optimal Order Quantities from a Pool of Suppliers with Nonidentical Salvage Values

Abstract

Matthew Keblis (Macquarie University), JianJun Xu, Youyi Feng

We consider a sourcing problem where the manufacturer makes a one time purchase of a component from a pool of suppliers. Previous research has assumed salvage values are identical across suppliers. In this paper we relax this assumption. We put forward approaches to determine optimal sourcing plans.

Push vs. Pull: How to Best Allocate Supply Risk in Random Yield Supply Chains

Abstract

Panos Kouvelis (Washington University in St. Louis), Guang Xiao (Washington University in St. Louis)

We consider a bilateral supply chain with supply random yield and propose three variants of wholesale price contracts, which induce different risk allocations between the supply chain parties. We completely characterize the Pareto set of any contract type combination to fully explore the price negotiation possibilities and profit improvement opportunities.

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Sunday, Nov 22nd, 2015, 1:30-3:00 p.m. | Willow A

RESEARCH-DECISION MODELS: Facility Location and Facility Network Modeling

Chair: Mohan Gopalakrishnan (Arizona State University)

Model-Based Capacitated Clustering using Posterior Regularization

Abstract

Feng Mai (Stevens Institute of Technology), Michael Fry (University of Cincinnati), Jeffrey W. Ohlmann (University of Iowa)

In a capacitated clustering problem (CCP), a set of nodes must be partitioned into disjoint clusters with known capacity constraints. We propose a new heuristic to solve the CCP from a statistical point of view using expectation-maximization algorithm with posterior regularization.

Optimizing Facility Location and Inventory Allocation Decisions for Non-Blood Inventories in Blood Operations

Abstract

Mohan Gopalakrishnan (Arizona State University), Eunae Yoo (Arizona State University)

We investigated inventory prepositioning using data from the American Red Cross by empirically formulating a fixed-charge model to solve the location-allocation problem of the non-blood inventories in a blood collection supply chain. The results indicated that there is a potential cost savings of 9 percent based on optimized results.

Facility Network Design for Dialysis

Abstract

Michael G. Klein (McGill University), Vedat Verter (McGill University), Brian G. Moses (South West Health)

Kidney failure is treated with dialysis until transplant or death. Patients travel to in-centre or satellite hemodialysis (HD) facilities three times per week or participate in home peritoneal dialysis or home HD. We propose a dialysis facility network design model, considering patient choice for dialysis mode in Nova Scotia, Canada.

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Sunday, Nov 22nd, 2015, 1:30-3:00 p.m. | Ballard

RESEARCH-EMERGING INFORMATION TECHNOLOGY: Big data and analytics

Chair: Joseph K Nwankpa (The University of Texas Rio Grande Valley)

Collaborations and Innovations: A Big Data Perspective

Full Paper

Rhoda Joseph (Penn State Harrisburg)

Big data and analytics can lead to new avenues for IT-enabled innovations. These innovations can deliver important outcomes for governments and businesses. This paper develops a theoretical framework for the examination of multiple types of collaborations using big data resources. Challenges and risk are examined, with recommendations for future projects.

An Examination of Big Data Capabilities in Creating Business Value

Full Paper

Shiwei Sun (Auburn University), Suning Zhu, Xiaoye Cheng (Auburn University), Terry Byrd

In current data-rich environments, how to make a good decision and create business value has caused scholars and practitioners' attention. From the perspective of creating business value, we identified three main capabilities by content analysis, including analytical capability, predictive capability, and decision support capability.

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Sunday, Nov 22nd, 2015, 1:30-3:00 p.m. | Ravenna C

RESEARCH-ENTREPRENEURSHIP: Operations Management, Entrepreneurial Orientation and Firm Performance

Chair: Grant Miles (University of Maine)

Does the environmental turbulence matter? The role of organizational inertia and network relationships on firms' entrepreneurial orientation

Full Paper

Ming-Chao Wang (Shih Chien University Kaohsiung Campus), Pei-Chen Chen (National Cheng Kung University), Shih-Chieh Fang (National Cheng Kung University)

Environmental turbulence represents a double-edged sword, simultaneously fueling and hindering firm's entrepreneurial orientation. Drawing on the entrepreneurial orientation, organizational inertia, and network relationships, we have developed and tested a conceptual model that provides a more nuanced account of the relationship between environmental turbulence and entrepreneurial orientation of the firm.

Operations Management Perspective of Entrepreneurship in Technology Startups: A Relevance Analysis

Abstract

Agassy Manoukian (American University of Armenia), Vahe Odabashian (National Polytechnic University of Armenia)

Technology startup entrepreneurs face multiple challenges, tasks, and related decisions. Whether they can or even need to follow formal operation management concepts/rules is a question that has not been adequately addressed in literature. An attempt is made to assess the relevance of various operations management aspects in technology startup environments.

Toward More Accurate Understanding of the Effect of Entrepreneurial Orientation on Firm Performance

Abstract

Suman Niranjana (Savannah State University), Vishal Gupta (University of Mississippi)

The purpose of this study is to introduce refinements to assessing EO effect on performance, using variance partitioning methodology to unearth aggregate EO impact on organizational performance. We examine the EO-performance relationship in subsamples of high-, medium-, and low-discretion industries using data about large publicly-traded firms.

Intention to Grow of Small Businesses: A preliminary model

Abstract

Yunus Kathawala (gulf university for science and technology), Sudhir Chawla (GUST), PK ONG

Theory of Planned Behaviour (TPB) model is used to study the small business owner's intention towards growth. Data were collected from a random sample of over 430 businesses in Southeast Asia. Results of the study will be discussed.

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Sunday, Nov 22nd, 2015, 1:30-3:00 p.m. | Jefferson B

RESEARCH-ETHICS: Facilitating Ethical Decision Making, Moral Reasoning and Corporate Social Responsibility (CSR)

Chair: Kai Kim (Bryant University)

Facilitating Future Thinking, Critical Thinking, And Ethical Decision Making Using Hybrid Learning Multi-Touch Tablet Technology

Abstract

Claudius Claiborne, Mayur Desai (Texas Southern University)

We propose an empirical research project involving the constructs – Critical thinking, Future thinking, and Ethical judgment, particularly in business. These components and the curriculum in total are being reassessed in light of connectivity, mobility and the move to hybrid learning technological innovations like multi-touch tablets.

Including Genocide in Corporate Social Responsibility

Full Paper

Maling Ebrahimpour (University of Rhode Island), Rebecca Lee Harris (University of South Florida St. Petersburg)

While there are obvious linkages between business decisions and genocides, there is very little coursework available to business students to help them navigate this complex subject. This paper provides suggestions on how to develop a course on genocide and business for MBA or undergraduate business students.

Organizational Ethics and Quantitative Analyses: Are they compatible?

Abstract

David Hollingworth (University of North Dakota)

This study empirically evaluates whether the ethical context of an organization (which includes its' ethical culture, ethical values, and its' orientation toward begin socially responsible) supports the acquisition and use of quantitative data and the use of quantitative analysis for ethical decision-making.

The Development of Habits and Moral Reasoning: Moral Decision Making Through the Lens of Neurobiology's 'Chunked' Routines

Full Paper

Karen Eboch (Bowling Green State University)

This paper attempts to summarize the neuroscience associated with routine decisions, or habits, and examine how those findings align with the established views of moral development such as those attributed to Aristotle (350 B.C.), Kohlberg (1984), Callahan (1988), and Starratt (1991).

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Sunday, Nov 22nd, 2015, 1:30-3:00 p.m. | Virginia

RESEARCH-GLOBAL SUPPLY CHAIN: Global Distribution and Transportation

Chair: Jewon Her (Korea Aerospace University)

Airport connectivity and performance: From Social network perspectives

Abstract

Jewon Her (Korea Aerospace University), Donghyun Choi (Korea Aerospace University), Ohyun Kwon (Korea Aerospace University), Sunjae Hwang (Korea Aerospace University)

Study analyze performance of the airport from the perspective of social network analysis. Some airport might not have good level of efficiency according to centrality of network. It might cause delays and inefficiency in logistics. Thus, through comparing performance and structure of network, we could suggest overall performance of airport.

Efficient port operations on congestion

Abstract

Yong Joo Lee (Central Washington University), Seong-Jong Joo (Central Washington University-Des Moines)

Global supply chain has been suffering from conflicts between managers and employees in ports and congestion due to lack of port capacity. Highlighting these inefficiencies, we investigate the ways to improve the port operations in managerial perspective and adjust capacity.

System Dynamics in Navigable Inland Waterways

Abstract

Furkan Oztanriseven, Heather Nachtmann

The U.S. navigable inland waterways provide cost effective and environmental friendly freight transportation. However, insufficient investment causes longer waiting times and considerable economic losses. In this study, we implemented a system dynamics model to measure the economic losses caused by insufficient investment in the navigable inland waterways infrastructure.

The Implications of Drone Technology within Supply Chain Distribution

Abstract

Sarah Schafer (University of Wisconsin Oshkosh), Seth Powless (University of Toledo), Terribeth Gordon Moore (The University of Toledo), Gary Insch (The University of Toledo)

Emerging technologies in supply chain distribution have become an acute and innovative consideration with numerous implications. Drone technology is quickly becoming a delivery alternative that addresses cost, speed, and environmental concerns. This proposal introduces drone technology and its relationship with positive and negative outcomes supported by a hybrid theoretical construct.

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Sunday, Nov 22nd, 2015, 1:30-3:00 p.m. | Redwood A

RESEARCH-HEALTHCARE: Decision Making in Complex Healthcare Setting

Chair: Dinesh K. Sharma (University of Maryland Eastern Shore)

A Hybrid Intelligent System for Breast Cancer Identification

Full Paper

Dinesh K. Sharma (University of Maryland Eastern Shore), H.S. Hota

In this paper, we propose an integration of two soft computing techniques: Genetic Algorithm (GA) and Back Propagation Network (BPN) to develop a hybrid system for the identification of breast cancer. Results are compared with other similar work and found to be satisfactory.

A survey of the Use of Decision Support Tools by Family Physicians

Abstract

Joseph Mollick (Texas A&M University-Corpus Christi)

Abstract: Research literature on decision support tools and their applications by family physicians is surveyed and summarized. Impact of the use of decision support tools on the practice of family medicine is summarized and potential research areas are identified.

Expert Systems in Healthcare: An Update

Abstract

Lai C Liu (University of Texas Pan American), Kai Koong

Expert systems have been and are being designed for application in a great many different domains, ranging from accountancy through computer configurations to geology and medicine. The objective of this paper is to present a review of the literature relating to the recent development of expert systems in healthcare.

Structure, Process and Outcome Quality of US Hospitals

Abstract

Aber Elsaleiby (The University of Toledo)

Although serious measures have been taken to improve the quality of healthcare, research indicates that problems with healthcare systems remain. The aim of the current research is to test how structural quality and patient centered collaborative practices influence the path from process quality to outcome quality of acute care hospitals.

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Sunday, Nov 22nd, 2015, 1:30-3:00 p.m. | Aspen

RESEARCH-HEALTHCARE: Improving Healthcare Inside and Outside the Hospital

Chair: David Dreyfus (Michigan State University)

Demographics and Smoking on a Smoke Free Campus

Invited Paper

Rebecca Scott (University of North Carolina Wilmington), Gayle Linda Prybutok (University of North Texas), Victor Prybutok (University of North Texas)

We examine the association between demographics and smoking on a smoke free campus for non-smokers, occasional smokers, and smokers. A survey was conducted that allowed running the Chi-square analysis. The results provide insights on how to best achieve compliance among all groups.

Does the Office of Patient Experience Matter in Improving Delivery of Care? An Econometric Study of US Hospitals

Invited Paper

Aravind Chandrasekaran (The Ohio State University), Luv Sharma (The Ohio State University)

We assemble a unique dataset regarding the presence of office of patient experience for 3250 US hospitals. We study the impact of this office on patient satisfaction and readmissions. Results indicate that effectiveness of this office depends on the background of the chief experience officer and its year of origin.

Using Preventable Hospitalizations Rates to Analyze the Impacts of the Patient Protection and Affordable Care

Invited Paper

Theresa Jefferson (Loyola University Maryland), Gloria Wren (Loyola University Maryland), Phoebe Sharkey (Loyola University Maryland)

The premise of our study is that preventable hospitalization rates can be used as a fundamental indicator to measure healthcare access and utilization. Over a multiple year time frame, we will study trends in potentially preventable hospitalizations from two years pre-reform implementation and three years post-reform implementation.

Wearable Technologies: Studying Groups and Teams to Inform Healthcare Management

Invited Paper

Kevin Hare (UW Medicine), Deanna M. Kennedy (University of Washington Bothell), Kevin Kennedy (Incite Informatics)

Wearable technologies provide researchers with a wealth of data about human subjects. Yet it is difficult to combine data to inform studies of groups and teams. Herein we review wearable technologies and demonstrate joint recurrence analysis to make meaningful insights about group behavior for better healthcare management.

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Sunday, Nov 22nd, 2015, 1:30-3:00 p.m. | Everett

RESEARCH-HEALTHCARE: Power of Data in Health Services

Chair: Adaeze Aroh (Northern Kentucky University)

Big quality, Value Co-creation, and Customer Satisfaction in Healthcare Services

Abstract

Junhyuk Kwon (University of North Texas), Victor Prybutok (University of North Texas)

We posit a model that presents Big Quality, which includes value co-creation as described in Service Dominant Logic. This study proposes a value co-creation quality model that identifies determinants of quality and examines the relationship between quality, customer satisfaction, and commitment in a services context such as healthcare.

Identifying Coordination Mechanisms within Perioperative Services of a Hospital

Abstract

Lawrence Fredendall (Clemson University), Kevin Taaffe (Clemson University), Joel Greenstein (Clemson University), Nathan Huynh (University of South Carolina), Jose Vidal (University of South Carolina)

Perioperative services requires the synchronization of multiple work flows to prevent delays in patient services with a minimum delay. This paper examines the coordination mechanisms used within the work flows in the perioperative services department using coordination theory and suggests alternatives.

Infusing Hospitality and Service Excellence in Healthcare

Abstract

Rohit Verma (Cornell University)

While fundamentally different, healthcare and hospitality industries also contain many similar characteristics, processes and constraints. This presentation will provide an overview of a new initiative at Cornell University that is focused on integrating the best practices from hospitality and design for enhancing the quality of service delivery in healthcare.

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Sunday, Nov 22nd, 2015, 1:30-3:00 p.m. | Cedar B

RESEARCH-HOSPITALITY: Forecasting and the Impact of Data Automation on Virtual Tourism Organizations

Chair: Steven Leon (University of Central Florida)

Forecasting for Effective Hotel Revenue Management

Full Paper

Somnath Mukhopadhyay (University of Texas at El Paso), Subhashish Samaddar (Georgia State University), Satish V Nargundkar (Georgia State University)

The literature on hotel revenue management is sparse on details of forecasts, controls, and subsequent revenue opportunity and applications to real hotel data. This paper bridges that gap using archived data from a major hotel chain to report results from product categorizations and forecasting.

Predicting National Basketball Association Attendance Using Random Forests

Abstract

Bary King (Butler University)

We present a predictor of attendance at NBA games. Predictor variables include the home team, popularity of opponent, match type, day of the week, number of wins in the last ten matches, home city's total personal income, and conference of the home team.

Data Automation Impact on Tourism Virtual Organizations

Abstract

John Seydel (Arkansas State University), Farhad Moeeni (Arkansas State University)

Tourism contributes to 9% of GDP and 9% of jobs worldwide. By 2030, the number of international and domestic tourists will surpass 1.8 and 5 billion, respectively (UNWTO). We study the impact of data automation on the tourism virtual organizations' productivity from the perspective of data quality, efficiency and security.

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Sunday, Nov 22nd, 2015, 1:30-3:00 p.m. | Jefferson A

RESEARCH-INFORMATION SECURITY: Information Security & Privacy Policy Research

Chair: Albert Kagan (ASU)

Information Security Management Policies and Processes:

Full Paper

Kim Gwen Phan (St Cloud State University), Dien Dean Phan (St Cloud State University)

Despite continuous efforts in management and control of information, the recent losses of information at major businesses and government agencies show that protection of information is critical. This study investigates the challenges that business enterprises faced in information security and proposes a total security management model

Cybersecurity and Privacy in India: Current State, Issues and Challenges

Abstract

Ramesh Subramanian (Quinnipiac University)

In this paper we present: the current state of cybersecurity in India; the privacy and security of data stored and transmitted within and outside India; India's cybersecurity policies, policy interactions, issues and challenges. We use a qualitative approach including a mix of document analysis and in-depth interviews.

Impact of information security strategy on information security compliance intention

Abstract

Park JongWon, Hyunjong Woo (Hankuk University of Foreign Studies), Hyungyu Kim (Kongju National University)

Extending the previous study done by Bulgurcu et. al.(2012), this study presents a conceptual framework and a research model, named as Information Security Strategy Matrix and Strategic Information Security Compliance Model, respectively.

Information Security Compliance: the role of deterrence, protection motivation, and cognitive evaluation

Abstract

Abdou Illia (Eastern Illinois University)

This study proposes and tests a multi-theory IS compliance model. The initial analysis using data from 185 respondents showed significant impact of deterrence, protection motivation, and security education and training awareness (SETA) related factors. The theoretical and managerial implications of the study are discussed.

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Sunday, Nov 22nd, 2015, 1:30-3:00 p.m. | Capitol Hill

RESEARCH-INFORMATION SYSTEM DESIGN: Information Technology Decision Making

Chair: Rohit Rampal (SUNY Plattsburgh)

IT Governance and Strategic Alignment: Examination of a Reciprocal Relationship via a Common Antecedent

Abstract

Randy V. Bradley (University of Tennessee-Knoxville), Renée M.E. Pratt (Washington and Lee University), Rachida F. Parks (University of Arkansas at Little Rock), Donald Wynn (University of Dayton)

We take a paradoxical view of organizational culture and position cultural incongruence as an antecedent to both IT governance and strategic alignment. We also address competing perspectives in the IS literature on the relationship between IT governance and strategic alignment by determining whether there exists a reciprocal relationship between them.

IT Outsourcing Trends: A Review of the Changing Outsourcing Practices

Abstract

Mohammed H. Tafti (Hofstra University)

Among several factors contributing to the changes in IT outsourcing include emerging new technologies and the move towards inter-firm collaborations. This study focusses on two major viewpoints: evolution of the technology, and evolving inter-firm relationships. Research and business implications of the changing trends in IT outsourcing will be discussed.

Information System Strategy and Culture Change for SOA Implementation Success

Abstract

HsiangJui Kung, LeeAnn Kung (Auburn University)

In this study, we present an SOA implementation case. As it emerged from the case, IS strategies regarding governance and services are imperative to SOA implementation success. However, success would not follow if the culture of the organization does not change to embrace the service orientation concept.

Structure and process in IT decision making: The balancing act

Abstract

Priya Seetharaman (Indian Institute of Management Calcutta)

In operationalizing IT governance, organizations use structures or processes. This study examines the preference and interplay between the two in the context of IT related decision making. Using data from four Indian manufacturing organizations, we present insights on the preference for informal structures over formal structures and processes.

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Sunday, Nov 22nd, 2015, 1:30-3:00 p.m. | Medina

RESEARCH-LEAN QUALITY SIX SIGMA: Lean Practices

Chair: Benjamin Neve (Brigham Young University - Hawaii)

Application of Lean Manufacturing Techniques to Improve Manufacturing Process

Full Paper

Bhimaraya A Metri (International Management Institute), Ajit Pal Singh (Sri Jagdish Prasad Jhabarmal Tibrewala University), Rajwinder Singh (International Management Institute, Bhubaneswar)

The paper addresses the application of lean manufacturing techniques in Ethiopian C.C. & C.M.I.S., company, Addis Ababa, Ethiopia. The main objective is to apply several strategies to eliminate waste on the shop floor in order to improve the manufacturing process.

Dynamic Line Balancing in Assembly

Abstract

Ben Marsh (RedDot Corp), Carlo Smith (Central Washington University), Seong-Jong Joo (Central Washington University-Des Moines)

Organic Buffering dynamically fixes line balancing – one of the most challenging tasks of Assembly. Utilizing one piece flow, while the Operators move to each station to build a complete unit, and having more stations than Operators, it is found to yield superior productivity and quality as the Operators spread out.

Factory Golf: A Hands-on Six Sigma Project Simulation

Abstract

Benjamin Neve (Brigham Young University - Hawaii)

We have developed a simulated, hands-on factory that behaves similarly to real factory environments. The variation-prone machines, built from a popular customizable building system, allow participants to learn and apply most concepts from Six Sigma to achieve measurable results with self-generated, custom improvements. We will present simulation, results and analysis.

Lean Implementation in Educational Institute – A Study Based on Action Research Methodology

Full Paper

Gopalakrishnan Narayanamurthy (Indian Institute of Management Kozhikode), Anand Gurumurthy (Indian Institute of Management Kozhikode)

In recent times, lean principles is getting implemented in service domains. Very few studies exist in the domain of education services. This study is an attempt in this direction to experience the implementation of lean thinking in education sector by adopting Participative Action Research Methodology.

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Sunday, Nov 22nd, 2015, 1:30-3:00 p.m. | Ravenna B

RESEARCH-LOGISTICS: Operational Issues

Chair: Yolanda Obaze (University of North Texas)

The Inventory Value Of Cross Docking In A Supply Chain: An Empirical Study

Abstract

Xingyue Zhang (Lehigh University), Oliver Yao, Yongrui Duan, Jiazhen Huo

In this paper, we aim to empirically test the profitability of cross docking. We find that cross docking reduces store-level inventory and that cross docking is more beneficial to reduce inventories for products with higher prices or higher demand rate, or for the stores that are closer to their distribution center.

Value of Vendor Managed Inventory in E-Commerce Environment

Abstract

Raj Kamalapur (Angelo State University), David Lyth (Western Michigan University)

Using simulation modeling, we investigate benefits of VMI in a two echelon supply chain with a manufacturer and ecommerce retailer, where any inventory shortage at retailer location is drop shipped by the manufacturer. We analyze different variables to determine under what conditions VMI benefits both the manufacturer and ecommerce retailer.

Understanding the Practices of Charitable Food Logistics using a Newsvendor Model

Abstract

Yolanda Obaze (University of North Texas), Victor Prybutok (University of North Texas)

This research examines charitable food supply chains using a newsvendor model. The contribution of the work includes examining the transportation, inventory and storage costs associated with meeting uncertain demand. The parameters for the constraints are the result of qualitative research conducted with Community Based Organizations providing charitable logistics networks.

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Sunday, Nov 22nd, 2015, 1:30-3:00 p.m. | Kirkland

RESEARCH-OPERATIONS MANUFACTURING: Inventory Management and Demand Management Models

Chair: Li-Ming Chen (National Chengchi University)

Analyzing the Structure of Production Control for a Responsible Supplier

Full Paper

Li-Ming Chen (National Chengchi University)

Increasing supply chain players seek to run business in a responsible way. This work stands from a supplier's point of view who produces a responsible item through an entrepreneurial process and exploits the business opportunity to sell it to downstream buyers. We develop quantitative models to analyze the production structure.

Demand Forecasting System for Pharmacy Chain Stores

Full Paper

Yu-Min Chiang (National Taiwan University), Kwei-Long Huang (National Taiwan University)

In this paper, we propose a demand forecasting system to address the drugs with various features. Grey forecasting method and time-series methods are applied in the system. We verify our forecasting system with real data. Results indicate that the system can determine a suitable model for predicting demand accurately.

On comparative statics of an inventory model for deteriorating items with advertising- and stock-dependent demand

Abstract

Abdullah Bari (The University of Texas at Tyler), Hani I Mesak (Louisiana Tech University)

This study considers a seasonal item where supplier faces advertising and inventory sensitive demand. The inventory replenishment policy is represented by an EPQ model with constant production and deterioration rate. Shortages are not allowed. Directional relationships between different parameters associated with the inventory model are examined through sensitivity analysis.

The effect of stress on decision making in newsvendor problem

Abstract

George Kurian, Kuldeep Singh

The main research question is whether there is an impact of stress on decision making in newsvendor context. The impact of stress on decision making has been shown in other fields. Stress might be an additional factor that can explain the variability of performance between individuals in inventory decision making.

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Sunday, Nov 22nd, 2015, 1:30-3:00 p.m. | Greenwood

RESEARCH-PROJECT MANAGEMENT: Methodologies for Project Managers

Chair: Gary Klein (University of Colorado Colorado Springs)

Critical Chain Project Management (CCPM): Contrasting a TOC Solution to Ensure the Successful Completion of Projects with Traditional PERT/CPM

Abstract

Janice Cerveny (Florida Atlantic University - College of Business), Robert Cerveny (Florida Atlantic University)

Critical Chain Project Management (CCPM) is a recent solution to the common project problems of time and cost overruns, scope creep and scope reduction. This paper demonstrates how CCPM contrasts with traditional project management methodologies and the superior results from doing so.

Examining Earned Value Management's Efficacy: A System Dynamics Model Based Study

Abstract

Balaji Janamanchi (Texas A&M International University), James Burns (Texas Tech University)

This research is aimed at developing a Systems Dynamics Simulation Model to study project dynamics with the specific objective of examining the efficacy of EVM (Earned Value Management), and to suggest ways and means to enhance the usefulness of EVM as a diagnostics, predictive and therapeutic tool or technique.

Managing Multiple Consulting Projects: A Multi-level Application of the Demand-Based Approach

Full Paper

Daniel Bumblauskas, Sarah Rosol (UNI), Paul Bumblauskas (PFC Services, Inc.)

This paper details the management techniques required to supervise multiple technical projects simultaneously. Project managers are often required to manage multiple projects simultaneously. Lessons can be learned from a "demand-based," approach used to identify the needs of the client and their customers to drive successful project deliverables.

Project Management Contracts under Information Asymmetry

Abstract

Ju Myung Song (Rutgers Business School), Yao Zhao

Collaboration and partnership are essential for development projects many industries. We develop game theoretical models to show how firms behave on behalf of their best interest in collaboration and how it affects the project performance under information asymmetry.

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Sunday, Nov 22nd, 2015, 1:30-3:00 p.m. | Willow B

RESEARCH-SERVICE: Improving Performance in Services

Chair: David West (East Carolina University)

A Fixed Effects Panel Analysis of Service Design Links to Operational Profitability

Full Paper

David West (East Carolina University), Scott Dellana (East Carolina University)

The results of a fixed effects panel regression model provide evidence that the structural design choices of the the service delivery system explain about two thirds of the differences in operational profitability among airlines.

A Quality Differentiation Model for Regulated and Non-Regulated Taxi Services in Thailand

Full Paper

Praowpan Tansitpong (Mahidol University International college)

Service providers juggle quality priorities to sustain profits and comply with standards set by regulators. This study examines taxi operations in Thailand and suggests that price is not the only determinant; quality differentiation and technology play important roles in maximizing benefits of social welfare.

Improving Emergency Response Performance: Contingency Effects of Environmental Uncertainty

Full Paper

Monique L French (University of Colorado Colorado Springs), Ying Fan (University of Colorado Colorado Springs), Rebecca Duray (University of Colorado Colorado Springs), Gary Stading (University of Houston-Downtown)

This research investigates emergency management using a contingency approach and develops a conceptual framework linking training to response time under differing conditions of environmental uncertainty. Using archival data and regression, this study finds that incident type and location uncertainty are analyzed together, training has a significant relationship with response time.

Investigating the Value of Cross-Trained Workers at Retail Stores

Abstract

Gerard Campbell (Western Washington University), Fred Easton (Syracuse University)

This research considers a retail environment where cross-trained workers can be moved to and from the sales floor when actual customer traffic differs from forecasts. A computational study examines how the value of cross-utilization is affected by traffic characteristics, and the effects of sales model parameter changes are also explored.

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Sunday, Nov 22nd, 2015, 1:30-3:00 p.m. | Columbia

RESEARCH-SOURCING: Structural aspects of sourcing decisions and supply risk

Chair: Myung Kyo (M.K.) Kim (Kansas State University)

Strategic Sourcing Risk Management in Electronics Manufacturing Industry: A Multiple Case Study Approach in Germany and the United Kingdom

Abstract

William Ho (The University of Melbourne), Martin Kotula (Aston University), Srinivas Talluri (Michigan State University), Prasanta Dey (Aston University)

Supply risk has attracted the most attention from scholars. This paper aims to examine to what extent risk management is incorporated in strategic sourcing practices from a practitioners' perspective. We undertake a multiple case study method utilizing ten cases from the electronics industry in Germany and UK.

Mitigating the effect of buyer's dependence on supplier – The role of internal resource and external mechanism

Abstract

Mesbahuddin Chowdhury (University of Canterbury), Daniel Prajogo (Monash University), Anand Nair (Michigan State University)

Our study examines the resource and mechanism which firms can employ to mitigate the negative effect of buyer's dependence on supplier. Based on 204 manufacturing firms in Australia, we found that the negative effect of buyer's dependence on business performance is reduced by higher buyer's absorptive capacity and long-term relationship.

Optimal Sourcing under Consumer Stockpiling: A Multi-Tier Approach

Abstract

Ram Narasimhan (Michigan State University), Jiho Yoon (Michigan State University), Myung Kyo (M.K.) Kim (Kansas State University)

Stockpiling behavior occurs when consumers attempt to address a shortage of supplies. We study a retailer's sourcing strategy under consumers' stockpiling behavior and the factors associated with the selection of an optimal strategy in multi-tier supply chains in the presence of supply disruption risk.

Outsourcing under Competition: When to Choose a Competitor as a Supplier?

Abstract

Eda Kemahlioglu-Ziya (North Carolina State University), Olga Perdikaki (Texas A&M University)

We study a stylized supply chain model with a single OEM that could outsource either to an independent supplier or to an integrated firm that carries out manufacturing in-house and competes with the OEM. We model different contractual relationships between the OEM and the firm it sources from.

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Sunday, Nov 22nd, 2015, 1:30-3:00 p.m. | Issaquah A

RESEARCH-STRATEGIC MANAGEMENT: The Determinants and Implications of Corporate Strategies

Chair: Zhuang Qian (University at Buffalo-SUNY)

A DEA Model for Switching a Business Strategy

Abstract

Chinho Lin (National Cheng Kung University), Hua-Ling Tsai, Yue-Gang Tsai

This study aims to develop a model to help a firm compare the relative performance of strategies and then allocate organizational resources. This model is based on the DEA cross-efficiency concept for enabling top management to find the optimal strategy which will be one of the prospector, defender, analyzer, and reactor.

Breaking Bad: Exploring the Environmental Damage-Financial Performance Link

Abstract

Hung-Yao LIU (ESC Rennes School of Business), Rohit Nishant (ESC Rennes School of Business)

A growing body of research examines the corporate environmental-financial performance link, but struggles to answer whether doing good pays due to inconsistency. Despite this, "doing good" pays environmentally. Nevertheless, discouraging firms from "breaking bad" yields immediate results. This paper investigates the environmental damage-financial performance link, and shows whether breaking bad hurts.

International exit modes for multinational enterprises

Abstract

Alejandro Sanchez (University of Texas-Pan American), Jorge Gonzalez

The objective of this conceptual paper is to describe the Exit Mode Strategies of Multinational Enterprises. Three questions will be explored: a) what defines the type of exit for the MNE? b) What are the drivers of an exit decision? And c) what are the hurdles of the exiting strategy?

Impact of Firm's Diversification Strategies on Inventory Performance

Abstract

Zhuang Qian (University at Buffalo-SUNY), Charles Wang (University at Buffalo-SUNY)

This empirical research aims at revealing the relationship between firm's diversification strategies and inventory performance. Specifically, we combine two primary research streams in the diversification literature, RBV and TCE, to investigate the implications of both related and unrelated diversification strategies on firm's inventory performance.

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Sunday, Nov 22nd, 2015, 1:30-3:00 p.m. | University

RESEARCH-SUPPLY CHAIN DESIGN: Issues in Supply Chain Design

Chair: Yertai Tanai (Kent State University)

Coordinating consumer returns management

Abstract

Yertai Tanai (Kent State University), Emmanuel Dechanux, Eddy B Patuwu

Given the complex nature of processing returned products in a supply chain, firms have adopted the strategy of outsourcing the returns handling to third party reverse logistics providers (3PRLP). We consider a supply chain design where multiple 3PRLP's compete to process the returns. We formulate Nash equilibrium game among 3PRLP's.

Hydro Energy Supply Chain: Insights, Security, and Sustainability

Abstract

KWON GI MUN (Rutgers University), Yao Zhao, Raza Ali Rafique (University of the Punjab)

We extend SCM concepts to address the unique features of the energy/water sectors and present a new class of mathematical models for designing energy/water supply chains. A model determines the optimal way to build up an energy/water strategically under limited budgets for energy/water security, economic prosperity and environmental sustainability.

Offshoring and the change of the degree of supply base concentration over time from agency perspective

Abstract

Kwanheui Cheon (The University of Texas Rio Grande Valley), Hale Kaynak (The University of Texas Rio Grande Valley)

Drawing on the agency theory, this study explains how buyers who conduct offshoring strategies compose their suppliers in terms of the ratio of host country suppliers to home country suppliers over time, and identifies the change of the degree of regional concentration of host country supplier bases over time.

Sustainable supply chain distribution network design

Abstract

Jose Humberto Ablanado Rosas (University of Texas at El Paso), Somnath Mukhopadhyay (University of Texas at El Paso), Rajesh Tahlilani

We survey the best practices for sustainable supply chain distribution network design. Some mixed integer linear programming models aimed to simultaneously minimize the supply chain cost and greenhouse gas emissions are discussed. Results show that some reductions on greenhouse gas emissions could be achieved without compromising the supply chain cost.

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Sunday, Nov 22nd, 2015, 1:30-3:00 p.m. | Seneca

RESEARCH-SUPPLY CHAIN NETWORKS: Supply Chain Design

Chair: Natalie Simpson (University at Buffalo-SUNY)

Evaluating and Developing Medical Device Supply Chain

Full Paper

Kun Liao (Central Washington University), Yan Wang, Xiaodong Deng (Oakland University)

The purpose of this study is to develop supply chains for different medical devices. The study suggests that research-oriented device with customized components should have a localized supply chain, while the consumer-oriented device with standardized components can have a national or even a global supply chain.

Frenemies: Investigating the Increasing Interdependencies of Direct Competitors through Supply Networks

Abstract

Natalie Simpson (University at Buffalo-SUNY), Ta-Wei Kao (University at Buffalo-SUNY)

As supply chains evolve into increasingly complex networks, some large rival firms are growing closer in terms of their dependencies on shared suppliers. We investigate this trend in twenty years of network data, adapting social network measures to monitor the phenomenon.

Selecting Appropriate E-Procurement Solutions for Your Purchase Needs

Abstract

Dothang Truong (Embry-Riddle Aeronautical University)

Research shows both benefits and challenges of using e-procurement solutions in the purchasing process. However, e-procurement platforms are not homogenous and buyers should select appropriate e-procurement solutions for specific purchasing situations. The purpose of this research is to examine the relationship between e-procurement types and the purchasing portfolio.

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Sunday, Nov 22nd, 2015, 1:30-3:00 p.m. | Boren

RESEARCH-SUPPLY CHAIN RESILIENCE: Examining Supply Chain Disruptions

Chair: Nickolas Freeman (University of Houston)

Dark side of Innovation: Supply Chain Disruptions

Abstract

Saurabh Ambulkar (Iowa State University), Jennifer Blackhurst (University of Iowa), Johnny Rungtusanatham (The Ohio State University), Sridhar Ramaswami (Iowa State University)

This study looks upon how firm's focus on innovation can make the firm vulnerable to supply chain disruptions which have a negative effect on firm performance. The study provides managerial implications on how can firms continue to innovate and be less vulnerable to supply chain disruptions simultaneously.

Downward Substitution as a Mitigation Strategy for Supply and Demand Risk

Abstract

Nickolas Freeman (University of Houston), Arunachalam Narayanan (University of Houston), Burcu Keskin (University of Alabama)

We study the use of downward substitution as a mitigation strategy for a capacitated manufacturer with supply and demand uncertainty. Using an analytical model, we characterize situations where different forms of strategies employing downward substitution and multi-sourcing are optimal. Experiments compare the optimal strategy to risk-adverse and risk-taking strategies.

Supply Chain Practice, Information Sharing and Supply Chain Resilience

Abstract

Siddharth Rastogi (The Ohio State University), W.C. Benton (The Ohio State University)

As every supply chain is susceptible to disruptions, it is very important for firms to improve resilience of their supply chains. The primary purpose of this study is to investigate whether simultaneous implementation of effective supply chain practices and effective information sharing could improve supply chain resilience, and if so, how.

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Sunday, Nov 22nd, 2015, 1:30-3:00 p.m. | Cedar A

RESEARCH-SUSTAINABILITY: Internal and External Perspectives on Sustainability

Chair: Sherry Avery (University of Texas at Tyler)

How do organizations interpret being green: A survey to examine their thinking

Abstract

Ryan Skiver (University of Wisconsin Oshkosh)

There has been very little discussion on the extent of being green or what exactly makes a product green. We examine how companies view green products to examine if they look only at particular product or process aspects or if they look at green products from a more holistic view.

Product Line Design: The Impact Of Consumers' Varied Perceptions Of Recycled Content

Abstract

Monire Jalili (University of Oregon), Tolga Aydinliyim (Baruch College), Nagesh N. Murthy (University of Oregon)

We consider a monopolist selling ordinary and green product versions to consumers whose differential (dis)utility vary by consumer type, and is a function of the firm's quality decision (the amount of recycled content in the green version.) We discuss how the optimal quality and pricing decisions drive demand and profit.

Study of Green Organizations' Attitudes and Behaviors towards Sustainable Development

Abstract

Eugene Allevato (Tilburg University)

The purpose of this project is to study perceptions of people involved with green organizations in order to provide a framework for businesses to facilitate real change and implement sustainable development activities. A mixed research approach of qualitative and quantitative instruments was developed with over 40 interviews already completed.

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Sunday, Nov 22nd, 2015, 1:30-3:00 p.m. | Ravenna A

RESEARCH-SUSTAINABILITY: Theoretical Perspectives of Sustainability

Chair: Toyin Clottey (Iowa State University)

Deriving Competitive Advantage from Supply Chains' Strategic Responses to Sustainability: RBV/R-A Theory Perspective

Abstract

Mehmet Gokhan Yalcin (University of Rhode Island)

The resource view of sustainable mindset addresses situations where institutional theory can't elaborate. To reinforce and enhance competitive capabilities, constant stimulus is required for adopting new ways thru innovation process.

Sustainable supply chains seek opportunities to acquire resources that are complementary to their existing capabilities to enhance their financial performance.

Hub and Spoke Model for Green Ventures: An Impression Management Perspective

Abstract

Sameer Prasad (University of Wisconsin-Whitewater), Jasmine Tata

Many communities are trying to establish business eco-systems that would serve as catalysts to new green/sustainable ventures. To create such eco-systems, various stakeholders have created physical "hubs" to serve as incubators. In this research use a sociological perspective to explain the ability of "hubs" to create such a soft infrastructure.

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Sunday, Nov 22nd, 2015, 1:30-3:00 p.m. | Diamond A

WORKSHOP: Pearson Publishing Demo Workshop

Workshop Coordinator: Lauren Lopez (Pearson Publishing)

Sunday, Nov 22nd, 2015, 3:00-3:30 p.m

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Sunday, Nov 22nd, 2015, 3:00-3:30 p.m. | Metropolitan Ballroom (Break Area)

COFFEE BREAK 4: Sunday Afternoon

Sunday, Nov 22nd, 2015, 3:30-5:00 p.m.

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Sunday, Nov 22nd, 2015, 3:30-5:00 p.m. | Diamond A

AWARDS: Best Lean Enterprise Paper Award Competition

Chairs: Sriram Narayanan (Michigan State University), Rita D'Angelo (D'Angelo Advantage LLC)

Best Lean Enterprise Paper Live Award Competition

Finalists: David Dobrzykowski (Rutgers University), Kathleen McFadden (Northern Illinois University), Mark Vonderembse (University of Toledo), David A. Marshall, (Eastern Michigan University), Thomas J. Goldsby (The Ohio State University)

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Sunday, Nov 22nd, 2015, 3:30-5:00 p.m. | Ravenna A

AWARDS: Elwood S. Buffa PhD Dissertation Award

Chair: Anthony D. Ross (University of Wisconsin-Milwaukee)

Judges: Michael Gorman, Vaidy Jayaraman (University of Miami), Julie Kendall (Rutgers University), Jason Thatcher (Clemson University)

Combining Conformance Quality and Experiential Quality in the Delivery of Health Care

Award Competition Entry

Claire Senot (Tulane University)

Professor Claire Senot, Combining Conformance Quality and Experiential Quality in the Delivery of Health Care, Assistant Professor Tulane Univ.

Decision Support Systems in Electronic Markets: Linguistic Aspects and System Robustness

Award Competition Entry

Michael Siering (Goethe University of Frankfurt)

Professor Michael Siering, Decision Support Systems in Electronic Markets: Linguistic Aspects and System Robustness, Assistant Professor Goethe University Frankfurt

Selecting the best supply chain strategy

Award Competition Entry

William Ellegood (Sam Houston State University)

Professor William Ellegood, Selecting the best supply chain strategy, Assistant Professor Sam Houston State Univ.

Three Essays on Consumer Product Returns

Award Competition Entry

Guangzhi Shang (Florida State University)

Professor Guangzhi Shang, Three Essays on Consumer Product Returns, Assistant Professor Florida State Univ.

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Sunday, Nov 22nd, 2015, 3:30-5:00 p.m. | Grand Ballroom A

CONSORTIA-PROJECT MANAGEMENT: Roundtable on Potential Research Overlap in Project Management with Other DSI Disciplines

Moderator: Carla Messikomer (Project Management Institute)

Panelists: Gary Klein (University of Colorado Colorado Springs), Morgan Swink (Texas Christian University), Mohan Tatikonda (Indiana University)

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Sunday, Nov 22nd, 2015, 3:30-5:00 p.m. | Grand Ballroom B

CONSORTIA-STATISTICS BUSINESS SCHOOLS: What are the Important Skills/Tools that Should be Taught for Analytics Students?

Moderator: Robert Andrews (Virginia Commonwealth University)

Panelists: John McQuaid (Pepperdine University), Weiyong Zhang (Old Dominion University), Yan Li (Claremont Graduate University), Curt Hinrichs (SAS Institute, Inc.)

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Sunday, Nov 22nd, 2015, 3:30-5:00 p.m. | Jefferson A

PANEL: The Changing Budget Context at Public Universities: Keeping Business Schools Healthy

Moderator: Timothy Smunt (University of Wisconsin-Milwaukee)

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Sunday, Nov 22nd, 2015, 3:30-5:00 p.m. | Everett

RESEARCH-ACCOUNTING: From Big Data To Data Analytics

Chair: Richard Jenson (Utah State University)

Auditor Independence

Abstract

Ashley Burrowes, Robert Carl Jinkens (Woodbury University)

The threatened auditor rotation has been thwarted by the AICPA submission to Congress espousing that US auditor independence is assured because US auditors apply skepticism in their audits. The authors conclude that the skepticism defense will only be palliative as the push for auditor rotation as an independence bulwark mounts.

What Events can an Accounting Number Predicts?

Abstract

Steven C Hall (University of Nebraska at Kearney), Vipin K Agrawal (University of Texas at San Antonio), Pushpa Agrawal (University of Nebraska at Kearney)

In this study, from the literature of the past 30 years, we identified various events about business organizations which could be predicted using accounting numbers. This study provides an analysis of those studies to give additional insight about the useful of reported accounting numbers.

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Sunday, Nov 22nd, 2015, 3:30-5:00 p.m. | Diamond B

RESEARCH-CONSUMER BEHAVIOR: Drivers of Consumer Responses to Market Cues

Chair: Rishikesh Jena (University of Arkansas)

Arguing the Value of Product Quality Signaling in the Presence of Negative Publicity

Full Paper

Quey-Jen Yeh (National Cheng Kung University), Tai-Ping Chang (National Kaohsiung First University of Science and Technology)

The formation of product quality perception, which concerns consumers' reasoning regarding the data provided by sellers in support of their claims, creates a consumer-based argument. Our experiments show that when sellers offer more types of warrants, consumers infer higher seller credibility, while this connection disappears when facing negative



2015 Program Schedule

publicity.

How does online search influence the consumer's purchase?

Abstract

Wanxi Li (Radford University)

We study consumers' online search behaviors such as the time, depth, and dynamics, and investigate how could the online search behavior influence their purchasing decisions.

Linking Global Customer Attitudes to Good Soldier Syndrome

Abstract

Wootae Chun (Saint Louis University)

This paper reviews past studies and explains the concepts of three dispositional consumer behavior constructs and customer citizenship behavior (CCB) toward foreign brand. Furthermore, this study investigates how consumers with CCB toward foreign brand evaluate and respond to foreign products in terms of purchase intention.

Perception of Online Product Quality: A Signaling Perspective

Abstract

Rishikesh Jena (University of Arkansas), Amr Soror

We use the signaling theory lens to frame website information quality and website affective quality as two potential signals capable of influencing consumers' perception of online product quality. We also examine the role of contingency factors – signaling credibility and information asymmetry – in influencing consumers' assessment of online product quality.

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Sunday, Nov 22nd, 2015, 3:30-5:00 p.m. | Madrona

RESEARCH-DATA ANALYTICS: Cognitive biases in decision makers

Chair: Jens Winkler

Biases in Future-Oriented Delphi Studies: A Cognitive Perspective

Full Paper

Jens Winkler

Delphi studies have continuously been subject to critique, particularly concerning their judgmental and forecasting accuracy. This paper takes a cognitive perspective by investigating how different cognitive biases take effect within Delphi studies and how their unfavorable impacts can be mitigated by thoroughly adapting specific Delphi design features.

Simulating Impatience

Abstract

Farhad Moeeni (Arkansas State University)

Various queuing systems share many common elements from analytic perspectives. However, human entities and service systems possess unique, additional features due to human impatience such as balking, renegeing and jockeying. The study addresses the real-world implications of collecting data, modeling and simulating impatience that in practice can be very complex.

A Study of Antecedents of Review Helpfulness from the View of Elaboration Likelihood Model

Abstract

Mohammadreza Mousavizadeh (University of North Texas), Mehrdad Koohikamali (University of North Texas), Mohammad Salehan (California State Polytechnic University, Pomona)

Online customer reviews are an important part of online customers' decision making. Drawing upon Elaboration Likelihood Model, this research studies the antecedents of readership and helpfulness of online reviews. We found that peripheral cues on a review affects review's readership while the central cues on a review influence its helpfulness.

Knowledge Complementarity: An Alternate Approach to Construct Development

Abstract

Fred Ahrens (University of Toledo), Narayan S. Umanath (University of Cincinnati)

Of interest is how IS influences knowledge exchange behavior (KEB), specifically, the role of knowledge complementarity. Knowledge complementarity (KC) can be described as the case where two distinct bodies of knowledge can be combined in a manner that is 'super-additive' – that is, more valuable than the sum of its parts.

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Sunday, Nov 22nd, 2015, 3:30-5:00 p.m. | Leschi

RESEARCH-DECISION MODELS LOGISTICS: Healthcare Logistics

Chair: Claudia Rosales (Michigan State University)

Efficient Movement of Patients through Post-Acute Care with Bundled Payments

Abstract

Brenda Courtad (University of Cincinnati), Michael Magazine (University of Cincinnati)

We develop a POMDP to determine the movement of patients through post-acute care settings in the context of bundled payments. In bundled payments, the provider focuses on reducing costs because they receive fixed revenue for each patient. Action decisions include the movement of patients and interventions to reduce overall costs.

Planning Allocation and Delivery of Blood Units during a Civil War

Abstract

Cigdem Gonul Kochan (Ohio Northern University), Shailesh Kulkarni, David Richard Nowicki (University of North Texas)

This study addresses the problem of allocating blood units among several locations, and planning deliveries cost effectively during a civil war. To solve the problem, we develop a combined multi-product newsvendor –traveling salesman model. Then, we analyze sensitivity of the optimal blood units to cost and demand.

Hospital inventory management – new trends and novel inventory practices in healthcare

Abstract

Claudia Rosales (Michigan State University), Michael Magazine (University of Cincinnati), Uday Rao (University of Cincinnati)

Hospitals are increasingly acquiring new technology in order to improve the storage and distribution of medical supplies. We discuss different technologies used at hospitals to store and dispense medical supplies and develop novel inventory management policies that make best use of newly acquired technology for typical hospital settings.

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Sunday, Nov 22nd, 2015, 3:30-5:00 p.m. | Redwood B

RESEARCH-DECISION MODELS PROCUREMENT: Power and Outsourcing

Chair: Toyin Clotfey (Iowa State University)

Non-response Bias Assessment in OM and Logistics Survey Research

Abstract

Toyin Clotfey (Iowa State University)

A statistical power analysis of a total of 116 published research papers (55 in logistics journals, and 61 in operations management journals) revealed the occurrence of very low power levels in some instances. Utilizing the concepts of "individual" and "complete" statistical power we provide guidance for improving non-response bias assessment.

Procurement's impact on Outsourcing: Role and Contribution

Abstract

Barry Brewer (University of Wyoming)

Procurement owns the make-or-buy decision. However, procurement's role in the biggest make-or-buy decision, outsourcing, is not as defined. Often the outsourced function takes the lead and procurement plays a minimal or supporting role. This research examines the contribution and involvement of procurement in the outsourcing decision and contract management.

The Impact of Power in Supplier-supplier Relationship and its Influence on Supply Chain Performance

Abstract

Somak Paul (The Ohio State University), W.C. Benton (The Ohio State University)

Remanufacturers are under increasing pressure to synchronize deliveries from their suppliers to reduce the holding cost and delay. In this context, we wish to explore how power bases of those suppliers impact the degree of information shared among them, which in turn affects the overall performance of the supply chain.

The Influence of Power in Professional Services Outsourcing

Abstract

Jurriaan De Jong (State University of New York at Buffalo), Sean Handley (University of Notre Dame), W.C. Benton (The Ohio State University)

In this study we investigate the domain of outsourcing technical professional services. Specifically, we analyze how differences in perceptions of interdependence between the buying organization and the provider of the professional service provider moderate how the use of inter-organizational power is perceived?

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Sunday, Nov 22nd, 2015, 3:30-5:00 p.m. | Willow A

RESEARCH-DECISION MODELS: Models for Revenue Management

Chair: Syed Raza (Qatar University)

Optimal fencing in airline industry

Abstract

Syed Raza (Qatar University), Micheal Turiac (Qatar University)

In this paper, we present a mathematical model of Revenue Management problem for an airline which experiences the demand leakage effect between its fare classes and therefore develops a fencing scheme at a cost to mitigate the spill of the demand between the fare classes.

Optimal fencing investment, market segmentation, pricing, and production decisions for a process targeting firm with price dependent demand leakage

Abstract

Syed Raza (Qatar University), Faseela Abdullahkutti

This research addresses an integration of the pricing and production quantity decisions along with the process targeting in the two markets segmented using differentiated pricing. The market segmentation achieved using differentiated pricing is considered imperfect resulting a firm to experience demand leakage between market segments which is dependent on the price.

Tradeoff between Auction Duration and Revenue

Full Paper

Zhen Li (Middle Tennessee State University), Jinfeng Yue, Ching-Chung Kuo (University of North Texas)

This paper focuses on the Dutch auction design to maximize the auctioneer's expected revenue per unit of time by setting the optimal number of bid levels and the corresponding asking prices. The constrained nonlinear program is converted into an equivalent unconstrained problem to which the steepest ascent method is applied.

A Portfolio Optimization Model for Investment Planning in the Department of National Defence and Canadian Armed Forces

Full Paper

Mark Rempel (Defence research & Development Canada), Chad Young (Defence R&D Canada)

Canada's Department of National Defence recently began to incorporate project portfolio management principles into their investment planning process. This paper presents the portfolio construction process, the underlying integer programming model, and several visualizations used to enhance decision maker interaction. Design rationale and insights gleaned from the model's application are discussed.

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Sunday, Nov 22nd, 2015, 3:30-5:00 p.m. | Ballard

RESEARCH-EMERGING INFORMATION TECHNOLOGY: Disruptive and innovative uses of emerging information technologies

Chair: Mithu Bhattacharya (University of Detroit Mercy)

Bitcoin and Digital Currencies

Abstract

David Green (Governors State University)

We will provide an overview of digital currencies, including virtual and decentralized cryptocurrencies such as Bitcoin. Discussion on the future of digital currencies and implications for research and teaching will be included.

Emerging Mobile Internet Based Disruptive Innovations and Their Ripple Effects

Abstract

Ruidong Zhang (University of Wisconsin-Eau Claire)

Disruptive technology can unexpectedly displace established technology. Mobile-Internet based disruptive innovations (such as Uber, AirBnb and WeWork) are redefining the competitive playing fields: they tend to open new markets and destroy old ones, or initially cut into the low end of the marketplace and eventually evolve to displace high-end competitors.

Improving Students' Academic Performance Using Social Media

Abstract

Shahedur Rahman (Prairie View A & M University), Louis Ngamassi (Prairie View A&M University), Thiagarajan Ramakrishnan (Prairie View A&M University)

Social media is transforming the landscape of education and offering new opportunities to enhance teaching-learning experience. The purpose of this study is to develop a general framework that defines the key direct and indirect drivers of academic performance and the impact of social media on the academic performance of students.

The Negative Consequences of ICT: Learning from Dystopian Science Fiction

Abstract

David Green (Governors State University)

The dystopian sci-fi genre provides a window into a future version of the world where technological innovations often lead to environmental degradation, totalitarianism, social and digital divide. Examples from dystopian sci-fi will be presented, including the benefits and limitations of fiction as allegory to present day negative consequences of ICT.

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Sunday, Nov 22nd, 2015, 3:30-5:00 p.m. | Ravenna C

RESEARCH-ENTREPRENEURSHIP: Social networks, entrepreneurial communities and public policy

Chair: Matthew Jenkins

Social network and its use of technology

Full Paper

David C. Chou (Eastern Michigan University)

The social network effect impacts the nerve of social entrepreneurship. This paper identifies the inter-relationships among social mediating technologies, social network effect and social entrepreneurship success in the social environment. A detailed relationship model is identified and analyzed in this paper.

Model to create entrepreneurial communities

Abstract

Antonio Rios-Ramirez (ITESM/University of Houston)

The research considered several communities of performance of America developing a model consisting of variables and their relationships. As well as its impact on communities

Becoming a Glocalized Family Business Culture

Abstract

Salvador Barragan (Thompson Rivers University), Elizabeth Salamanca Pacheco (Universidad de las Americas Puebla), Murat Eroglu (Thompson Rivers University)

The process of internationalization of a family business may face the dilemma of globalizing vs localizing its strategy. We study the cultural dynamics of a Mexican family business in the process of internationalization. Three historical periods are analyzed from being a local player to a global contender

A Road map to Nigeria's Entrepreneurial Greatness

Full Paper

Frank Alaba Ogedengbe (Auchi Polytechnic)

ABSTRACT This paper considers the processes of mastery of entrepreneurial personality, from childhood to the time of retirement from active entrepreneurial practice. It proffers that underpinning construct for the realization of the envisaged economic expansion is entirely developmental. It posits an agenda of developing the entrepreneur from cradle to grace

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Sunday, Nov 22nd, 2015, 3:30-5:00 p.m. | Virginia

RESEARCH-GLOBAL SUPPLY CHAIN: Production and Resource Management

Chair: Roger Gagnon (North Carolina A&T State University)

3D Printing in Logistics

Full Paper

Dara Schniederjans (University of Rhode Island)

More research is needed regarding adoption of 3D printing especially among logistics organizations. Two research questions are addressed: how does the organizational innovation adoption category impact 3D printing adoption, and how do the perceived characteristics of 3D printing impact adoption?

A Literature Review of Remanufacturing Production Planning and Control

Full Paper

Roger Gagnon (North Carolina A&T State University), Shona Morgan (North Carolina A&T State University)

There is enormous complexity involved with planning, and controlling efficient remanufacturing operations. To explore these difficulties and the progress achieved in addressing them we review the current academic literature on remanufacturing production planning, and control. Finally, we assess our reported progress and offer suggestions for future research efforts.

Joint resource sharing and problem solving roles in evolving collaborative culture: a supply chain perspective

Full Paper

Gopal Kumar (Dublin City University), Rabindra N Banerjee (IIT Kharagpur), John Geraghty (DCU), Purushottam Lal Meena (NYIT New York)

This research developed a conceptual model mainly to develop collaborative culture driven by resource sharing and problem solving activities. The model is verified using data collected from industries. Our findings show that market based information sharing and problem solving & performance measurement play crucial roles in evolving the culture.

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Sunday, Nov 22nd, 2015, 3:30-5:00 p.m. | Redwood A

RESEARCH-HEALTHCARE: Driving for Quality in Healthcare

Chair: Manoj Malhotra (University of South Carolina)

Does the Process of Applying for the Baldrige Award Improve Quality Outcomes?

Abstract

Mahour Mellat-Parast (North Carolina A&T State University), Jason Miller (The Ohio State University)

Do healthcare organizations see subsequent quality improvements after applying for the Baldrige Award? We investigate this question using longitudinal data on repeat Baldrige Award applicants. Our results indicate that repeat applicants do see quality improvements, especially for firms that had initially poor ratings.

Quality Drivers for Hospitals

Abstract

Deepa Wani, Sriram Venkataraman (University of South Carolina), Manoj Malhotra (University of South Carolina)

The recent Affordable Care Act (ACA) has forced hospitals to improve quality along several dimensions. We study how various factors influence important outcomes such as process quality and patient satisfaction. We also look at whether the impact of these factors has changed since the ACA.

Empirically Establishing Patient Care Quality

Full Paper

Subhajit Chakraborty (Coastal Carolina University), Hale Kaynak (The University of Texas Rio Grande Valley)

We offer a comprehensive instrument to measure patient care quality (PCQ), which captures various aspects of healthcare services that patients receive in full service hospitals in the U.S. The proposed PCQ dimensions were empirically validated using an online survey and confirmatory factor analysis. Research and managerial implications are discussed.

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Sunday, Nov 22nd, 2015, 3:30-5:00 p.m. | Aspen

RESEARCH-HEALTHCARE: Innovation Driven Process Improvement in Care Delivery

Chair: Ryan N. Schmidt (Valdosta State University)

Assessing Gender as Moderating Variable in Urgent Care Service Quality

Abstract

Hong Qin (University of Texas-Rio Grande Valley), Kittipong Boonme, Benjamin George (University of North Texas), Victor Prybutok (University of North Texas)

This study investigates the extent to which gender moderates the relationships among service quality, patient satisfaction, and behavioral intentions in the urgent care industry. The practical implication is that urgent care providers should implement services based on gender lines to improve the perception of care quality and satisfaction.

Assessing the Implementation of Leanness on Patient Satisfaction: Empirical Investigation of Front-line Hospital Operations

Abstract

Yunsik Choi (Clemson University), Lawrence Fredendall (Clemson University), Aleda M. Roth (Clemson University), Anne Musitano (Arkon Children's Hospital), Rosanna Fierro (Akron Children's Hospital), Dorothy Hung (Palo Alto Medical Foundation), Lori Pelletier (UMass Memorial Health Care), Jack Bowhan, Richard Holden (Indiana University), Eric Dickson (UMass Memorial Health Care), John Whitcomb (Clemson University)

We empirically investigate how organizational goal alignment affects the implementation of lean tools, including visual management and use of standardized problem-solving, and patient focus. Our structural model also shows the mediation effects of nurse perceived empowerment and continuous improvement on nurse productivity and patient satisfaction.

Relationship Between the Experience of Perceived and Physician Diagnosed Arthritis and the Presence of DSM-IV Major Depression (MDD) Among Older Adults

Full Paper

Ryan N. Schmidt (Valdosta State University)

BACKGROUND: This study explored both positive screened MDD and the perception of being depressed (P) and the likelihood of either increasing if the patient suffered from arthritis (P/E). RESULTS: Those persons age 65 and older who report having arthritis (P/E) were significantly more likely to be suffering from MDD.

The Impact of Technostress Components on the Employees Satisfaction

Abstract

Muna Abdulla Al-Ansari (Qatar University), Khaled Alshare (Qatar University)

This study will examine the impact of technostress on employees' satisfaction and performance. the impact of both technostress creators and inhibitors will be explored. A sample of employees from different organizations will be used. A relevant data will be collected through online questionnaire survey.

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Sunday, Nov 22nd, 2015, 3:30-5:00 p.m. | Cedar B

RESEARCH-HUMAN RESOURCES: Recruiting, Selection and Assessment

Chair: Theodore P. Byrne (California State University-Dominquez Hills)

A Content Analysis of Recruiting Ads

Abstract

Chris Lowery, Hyung Jin Kim

We present a content analysis of organizational recruiting ads. A primary method of making initial contact with applicants for many organizations is a recruiting ad. We analyze the content of a sample of ads, including administrative information and information related to the candidate, the position, and the organization.

A Framework of Adaptive Assessment in Talent Management

Abstract

Wei (April) Wang, Haibo Wang

We present a framework of adaptive assessment in recruiting and retaining talent employee using Computer Adaptive Tests and advanced statistical tools such as Naïve Bayesian Networks and Deep Neural Networks. We implement the assessment system using open source software R for both classification and sentiment analysis of the test results.

Investigating Differences in Preparing Individuals for Virtual versus Face-To-Face Interviews

Abstract

Bindiganavale Vijayaraman (University of Akron), Erin Makarius (The University of Akron)

Work today is becoming virtual. Yet research has indicated that individuals are relatively apprehensive about virtual work, and that a lack of virtual work skills can have significant professional and career implications. We investigate mitigating this anxiety by providing an opportunity for students to prepare for and practice virtual interviewing.

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Sunday, Nov 22nd, 2015, 3:30-5:00 p.m. | Capitol Hill

RESEARCH-INFORMATION SYSTEM DESIGN: Information Systems Strategy

Chair: Xuefei (Nancy) Deng (California State University, Dominguez Hills)

Digital Manufacturing Transformation Strategy of State-Owned Enterprises (SOEs) in China

Full Paper

Shiwei Sun (Auburn University), Gaoshan Wang, Terry Byrd

Under the dynamic and turbulent business environments in China, digital manufacturing transformation offers many opportunities as well as challenges. China Tobacco Shandong Industrial (CTSI) Corp. is selected to generalize the phenomenon of digital manufacturing transformation strategy in China.

Supply Chain Information Sharing: Who Does It Benefit More?

Full Paper

Zhaojun Han (Zhejiang University), Baofeng Huo, Yi Yang, XIANDE ZHAO (South China University of Technology)

This study intends to investigate which party benefits more from SCIS and the transferable effect of downstream IS on performance of upstream parties. The results indicate that the receiving parties always benefit from IS, while the disclosing parties' benefits are contingent. Moreover, there is a transferable effect of downstream IS.

The Rank of CIOs in Top Management and Corporate Governance

Abstract

Erastus Karanja (North Carolina Central University), Jigish S Zaveri (Morgan State University)

Through organizational structures, firms delegate decision-making to the CIO who is responsible for managing ISs/IT resources associated with gaining and sustaining strategic competitive advantages. Based on the principal-agent theory, this study developed and empirically tested the hypotheses using an objective data set of 128 firms that hired a CIO.

A decade of research on mobile commerce: Review and analysis

Abstract

Abdou Illia (Eastern Illinois University)

This study analyzed 82 articles published from 2005 to 2015 in major Information Systems and Marketing two classification frameworks. On the theoretical front, a research agenda is articulated to help guide future research on m-commerce. On the practical front, it provides insights and guidance for financial institutions involved in m-commerce.

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Sunday, Nov 22nd, 2015, 3:30-5:00 p.m. | Issaquah B

RESEARCH-INTERNATIONAL BUSINESS: Doing Business in Established and Emerging Markets

Chair: Young Sik Cho (Jackson State University)

Building Resilient Business Models for Domestic Advantage and Global Competitiveness: Case of Indian Global Firms

Full Paper

Nitya Singh, Paul Hong (The University of Toledo)

This paper aims to examine how Indian global firms build resilient business ecosystem to domestic advantage and thus move forward to global competitiveness. This article discusses (1) requirements of domestic advantage; (2) key issues related to building more responsive, resilient and agile business eco-system in Indian context.

Chinese Firms' Direct Investment in the US Market

Abstract

Jun Zhao (Governors State University)

Chinese firms' foreign direct investment has expanded significant in the past decade, with increased intensity in the US. This paper will explore the main causes of this strategy, its impact on host markets, and challenges facing the Chinese firms in their endeavor. Selected cases will be evaluated.

Impact of Non-Traditional Factors on the Quality of the Business Environment in the Developing World

Abstract

Gangaraju Vanteddu (Southeast Missouri State University)

This research makes an attempt to understand the relationship between the quality of business regulatory environment as indicated by the World Bank's Ease of Doing Business ranks and the freedom status (based on Freedom House's annual Freedom Ratings) for the developing world nations and also offers some useful insights.

Integrating Country-of-Origin versus Country-of-Manufacture Effects with Brand Diffusion and Authenticity

Abstract

Anshu Arora (Savannah State University), Amit Arora (Savannah State University), Jun Wu, John R McIntyre (Georgia Institute of Technology)

The research investigates whether incongruence versus congruence between COO and COM images for parent and diffusion brands affect consumers' purchase intentions with respect to levels of purchase involvement, and how these COO-COM situations lead to perceptions of brand contagion and authenticity.

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Sunday, Nov 22nd, 2015, 3:30-5:00 p.m. | Medina

RESEARCH-LEAN QUALITY SIX SIGMA: Lean Six Sigma Implementation

Chair: Steve Zhou

Analysis of Lean Supply Chain Management and Sustainable Competitive Advantage

Abstract

Steve Zhou, Fiona Ji

Supply chain management as a system of operation continues to evolve. Lean supply chain management focuses on the system-wide optimization to enhance efficiency. Based on empirical analysis, this research examines how the implementation of lean supply chain management provides substantially sustainable competitive advantages for manufacturing companies.

Antecedents to Six Sigma Adoption

Abstract

Brian Jacobs (Michigan State University), Morgan Swink (Texas Christian University)

Researchers have posited either rational or social factors to explain firm-level motivations for whether to adopt an administrative innovation early or late in the diffusion process. Using a sample of Six Sigma adopters, we consider the relative impact of both rational and social factors that motivate adoption timing.

Exploring the Relationship between Quality Management Practices, and Organizational Culture: A Cultural Fit Perspective

Full Paper

Canchu Lin (Carroll University), Anand Kunnathur

This study applies the cultural fit perspective to examine effectiveness of quality management practices. It reviews the literatures on quality management practices and organizational culture, particularly the competing values framework. Eight propositions have been articulated with respect to how culturally fit QM practices can achieve positive outcomes.

Stakeholder Quality Management in Open Government Information Technology Projects

Full Paper

Malcolm Joseph, Mahesh Raisinghani, Fen Wang (Central Washington University), Xinbao Wang

This paper analyzes the quality management practices being used to manage stakeholder quality in open government IT projects. The paper determines that stakeholders of the open government IT projects have been successfully solicited most of the time, but there are improvements that can be made to the current processes.

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Sunday, Nov 22nd, 2015, 3:30-5:00 p.m. | Ravenna B

RESEARCH-LOGISTICS: Retail Supply Chain Issues

Chair: Jason M Riley (Sam Houston State University)

Cycle Counting and Replenishment Planning in RFID-enabled Retail Supply Chains

Abstract

Rafay Ishfaq (Auburn University), Bill Hardgrave (Auburn University)

This study highlights the changes in business processes (inventory management and replenishment) within an RFID-enabled retail supply chain. A simulation model of retail store operations is developed to evaluate the impact of sales velocity, inventory error rate, cycle counting frequency and replenishment policies on system performance.

The Impact of Product Variety on Retailer Supply Chain Performance: Evidence from China

Abstract

Kevin D. Sweeney (University of Maryland), Oliver Yao, Robert Windle, Yongrui Duan, Jiazhen Huo

We investigate the impact of product variety on retailer inventory, stock out rates, and sales. We show that larger product assortments do lead to higher inventory, stock out rates, and sales, but the impact of stock out rates on sales is moderated by the type of product category.

How Replenishment Systems Mistreat Retail Project Quantity Items

Abstract

Jason M Riley (Sam Houston State University), Sriram Venkataraman (University of South Carolina), Richard Klein (Florida International University)

We identify a group of products called retail project quantity items and assert a bimodal distribution, rather than normal distribution, more appropriately calculates inventory associated with these items. Using simulation, we compare the resultant output of two different replenishment formulas and discuss where current calculations suppress inventory levels.

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Sunday, Nov 22nd, 2015, 3:30-5:00 p.m. | Jefferson B

RESEARCH-NEW PRODUCT: Supply Chain Innovation and Strategy

Chair: Yan Dong (Darla Moore School of Business, University of South Carolina)

Interorganizational Innovation: The Role of Suppliers in Enhancing Buyer Innovative Performance

Abstract

Isaac Elking (University of Maryland), Curtis Grimm, Kefeng Xu (University of Texas at San Antonio), Christian Hofer (University of Arkansas)

This research studies the manner by which a firm is able to leverage the innovative capabilities of its supply chain partners to enhance its own innovative performance. We make use of international patent data as a proxy for firm-level innovation and develop our variables from the patent filings data

Quality Reference and Offshoring in Consumer Product Recalls

Abstract

Yan Dong (Darla Moore School of Business, University of South Carolina), Kefeng Xu (University of Texas at San Antonio), Sining Song, Chen Zhou (University of South Carolina)

Motivated by anecdotal evidence, we develop an endogenous consumer reference model to examine the consumer's willingness to buy in the events of recalls. We also construct an empirical study based on consumer product recalls. We find that the consumer reaction to recalls can be complicated, moderated by offshoring.

Supply chain disruptions during new product development: Assessing managerial response

Abstract

Tingting Yan (Wayne State University), Arash Azadegan (Rutgers University)

Do managers react differently with a disruption during NPD than with an existing product? Supply chain disruptions caused by NPDs can be more difficult to predict and manage. We develop theoretical arguments based on prospect theory to explain what leads managers to over/under-react in managing NPD-triggered supply chain disruptions.

The role of territorial selectivity contracts under Schumpeterian shock

Abstract

Yan Dong (Darla Moore School of Business, University of South Carolina), Chen Zhou (University of South Carolina), Moonwon Chung (University of South Carolina)

Territorial selectivity contracts in supply chains play an important role in NPD, as demonstrated in the iPhone launches when different distribution contracts have been implemented around the globe. Using the telecom industry data, this study investigates the effects of an innovative product introduction on competition and technology in global markets.

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Sunday, Nov 22nd, 2015, 3:30-5:00 p.m. | Kirkland

RESEARCH-OPERATIONS MANUFACTURING: Performance Measurement in Manufacturing and Services

Chair: Srimathy Mohan (Arizona State University)

Dimensionality and relevance of maintenance performance measures

Full Paper

Carlos F. Gomes (University of Coimbra), Mahmoud Yasin (East Tennessee State University), Jorge M. Simões (REVIGRES Lda)

This study utilizes cluster and factor analysis to identify the different dimension of the most relevant maintenance performance measures. The results obtained appear to indicate that maintenance function has different facets, which are essential to the organizational competitiveness. This was the case regardless of organizational size and industry.

Measuring the Comparative Efficiency of Production Processes for Auto Parts

Abstract

Seong-Jong Joo (Central Washington University-Des Moines), Kun Liao (Central Washington University), Yong Joo Lee (Central Washington University)

We analyze auto-part production processes using pertinent variables and data envelopment analysis. In addition, we confirm the variables that affect the efficiency of the processes using Tobit regression analysis. Based on results, we suggest managerial insights for improving the production processes.

An efficient heuristic for the Capacitated Lot Sizing Problem with Setup Carryover and Setup Splitting

Abstract

Srimathy Mohan (Arizona State University), Cheng-Lung Chen (Arizona State University), Muhong Zhang (Arizona State University)

We present a new formulation for the Capacitated Lot Sizing Problem with Setup Carryover and Setup Splitting. Fix-and-Optimize heuristic that is easy to adapt for model extensions. Our extensive experimentation shows that the heuristic produces results within 6% and 8% of optimality for problems without and with demand backlogging, respectively.

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Sunday, Nov 22nd, 2015, 3:30-5:00 p.m. | Juniper

RESEARCH-OPERATIONS STRATEGY: Archival Research on Operations Strategy

Chair: Sidhartha Das (George Mason University)

Linking Performance and Resource Configurations during Business Cycle: A Longitudinal Study in the US Hotel Industry

Abstract

Jie Zhang (University of Vermont), Rohit Verma (Cornell University)

We study patterns of resource configuration through the peaks and troughs of a business cycle. Using a large panel dataset from the US hotel industry, we identify subgroups of distinct resource configurations and link their resource configuration choices to performance.

The Study toward a Measure of Competitive priorities: Meta-Analysis

Full Paper

Thawatchai Jitpaiboon (Ball State University), Qiannong Gu (Ball State University), Dothang Truong (Embry-Riddle Aeronautical University)

Since the process of defining competitive priorities is evolving, it is time to revisit their critical dimensions. This study aims to identify and assess critical dimensions of competitive priority and propose for future research. Using a meta-analysis, the results show the reliability is poorer in competitive priority research than other areas.

Disaster Operations Management: an Empirical Study from Thailand

Abstract

Niratcha Grace Grace Tungtisanont (Clemson University), Aleda M. Roth (Clemson University), Yann Ferrand (Clemson University)

We presents an overview of Disaster Operations Management as well as an empirical study using econometrics analysis to examine the recovery phase of post-disaster operations. This study is an exploratory analysis of the question of how flooding affects per capita income in areas with different levels of industrialization.

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Sunday, Nov 22nd, 2015, 3:30-5:00 p.m. | Greenwood

RESEARCH-PROJECT MANAGEMENT: Project Management Research Perspectives

Chair: Gary Klein (University of Colorado Colorado Springs)

A Call for Healthcare Disaster Recovery Project Management Research

Abstract

Kathryn Zuckweiler (University of Nebraska at Kearney), Kirsten Rosacker (Minnesota State University-Mankato)

Disasters throughout the world impact millions of people each year. Healthcare managers often have difficulty responding to these tragedies due to their lack of familiarity with management best practices. This paper reviews the literature surrounding disaster recovery project management as method to focus empirical attention on this critical topic.

Comparison of Risk Management Approaches in Project Management and Supply Chain Management

Abstract

Jayant Saraph (Metropolitan State University)

Projects and supply chains are subject to factors that pose risks to organizational goals. While the Project Management (PM) community has developed a standard framework of analyzing risks; the SCM community has several varied approaches. This paper presents a comparison of PM and SCM risk management approaches.

The Trends of IS Theories Employed in Software Project Management

Abstract

Jun-Lin Lin (Yuan Ze University), Julie Yu-Chih Liu (Yuan Ze University)

Few works focus on the evolution of theory for project management in information system. We investigate journal articles from 1995 to 2014 in information management and demonstrate the evolutionary trends of the theories in project management and the recent mainstream theories using a strategic diagram.

Is Project Management Research at Crossroads? – A Review of Trends from Recent Literature

Abstract

Milind Shrikant Padalkar (Indian Institute of Management), SAJI GOPINATHAN (INDIAN INSTITUTE OF MANAGEMENT KOZHIKODE)

Project management has evolved from a scheduling-focused discipline into a dynamic field, addressing diverse research themes, domains, paradigms, and methodologies. Despite its rapid growth in the recent years, there are indications that it may be slowing down. We examine recent literature and report research trends, emergent themes and future directions.

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Sunday, Nov 22nd, 2015, 3:30-5:00 p.m. | Willow B

RESEARCH-SERVICE: Service Design in Health Care

Chair: Uzay Damali (University of Victoria)

A Healthcare Service Design Planning Model for Tele-Health

Abstract

Jiun-Yu Yu (National Taiwan University)

This study develops a comprehensive healthcare service design planning model. This model integrates various viewpoints to investigate the conceptual construction of service design and the corresponding implications on practical implementation. The full process from service strategy development to outcome measurement and feedback is discussed.

Privacy Concerns and Value Co-Creation in Healthcare Services

Abstract

Uzay Damali (University of Victoria), Varol Kayhan (USF St. Petersburg)

Operations management scholars have been increasingly interested in understanding value co-creation in service processes. Extant research does not fully consider the risks of value co-creation. One of these risks is privacy concerns. Therefore, this research explores customers' privacy concerns and the solutions to mitigate these concerns in healthcare services.

Waiting Time and Cost: The Effect of Healthcare or Hospitality Context and Process Sequence

Abstract

Rohit Verma (Cornell University), Craig Froehle (University of Cincinnati)

The perceived cost of waiting for customers are often difficult to measure within the healthcare and hospitality contexts. Using survey-based experiments, we compare perceptions of waiting costs for both industry contexts as well as the "sequence" effects (i.e. where the wait occurs within the service process).

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Sunday, Nov 22nd, 2015, 3:30-5:00 p.m. | Columbia

RESEARCH-SOURCING: Structures and choices affecting buyer-supplier relation

Chair: Peggy Daniels Lee (Indiana-Purdue University Indianapolis)

Towards a grounded definition of reciprocity in SCM

Abstract

Carmela Di Mauro (University of Catania), Alessandro Ancarani (University of Catania)

The SCM literature has placed relatively little emphasis on buyer-supplier reciprocity (Narasimhan et al., 2009; Zhao et al., 2008). Building on both managerial and economic theories and extant empirical evidence, this conceptual paper builds a grounded definition of reciprocity in SCM and identifies new testable hypotheses relevant for relational governance.

Does Cost Transparency Matter in Improving Efficiency of Buyer-Supplier Exchanges?

Abstract

Jie Yang (University of Houston-Victoria)

This study aims to examine the effect of cost transparency on efficiency in buyer-supplier cooperation and investigate the contingent impact of contextual and contractual factors on the link between cost transparency and efficiency. The findings of this study contribute to the frontier of existing theories and offer implications for practitioners.

The Rhymes and Reasons of Quantity Discounts: A Practical Perspective

Abstract

Jonathan Jackson (Providence College), Charles Munson (Washington State University)

We utilize managerial surveys to provide an up-to-date overview of common practices associated with quantity discounts from both buyers' and sellers' perspectives. Additionally, this exploratory study gathers information from practitioners regarding their usage of and common factors in profit and cost analysis in their quantity discount based inventory decisions.

When and How Diversity Works: The Role of Identity in Buyer-Supplier Relationships

Abstract

Ha Ta (University of Arkansas), Adriana Hofer

We analyze experiments and survey data from 200 mid-level managers to show that diversity in the form of supplementary fit promotes satisfaction and collaboration in the buyer-supplier relationships, and the effect of diversity on relational outcomes can be further enhanced by relational orientation strategies adopted by firms.

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Sunday, Nov 22nd, 2015, 3:30-5:00 p.m. | Issaquah A

RESEARCH-STRATEGIC MANAGEMENT: Top Executives' Impact on Firm Strategy and Performance

Moderator: Xia Zhao (California State University, Dominguez Hills)

Desperate CEOs: The Impact of Retiring CEO Performance on Firm Strategic Change Level

Abstract

Yungu Kang (Korea University Business School), Soolim Park (Korea University Business School), Jingoo Kang

We suggest that financial performance of the retiring CEOs in their late years in office can affect the decision of retiring CEOs in making strategic changes. We also explore various moderators including CEO age, founder-CEO, and CEO power to see if the level of strategic change will be changed further.

Performance of Financial Institutions During Periods of Executive Transition

Abstract

Gregory McKee, Albert Kagan (ASU)

Principal-agent theory suggests an executive voluntarily ending their tenure may behave opportunistically rather than increase owner value when performance incentives encourage short-term benefits. Regression analysis is used to detect significant changes in financial performance during periods of executive transition in financial institutions for the period 1997 through 2011.

The effect of CEO gender on Cooperative and Competitive strategy

Abstract

Xi Yang (University of Texas Rio Grande Valley)

In this paper examines the relationship between CEO gender and cooperative and competitive strategy. Data collected from fortune 1000 for the period of 2010-2014. The results indicate that male CEOs are more likely to adopt cooperative strategy and competitive strategies than female CEOs.

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Sunday, Nov 22nd, 2015, 3:30-5:00 p.m. | University

RESEARCH-SUPPLY CHAIN DESIGN: Managing Supply Chain Risk

Chair: Xiaofeng Zhao (University of Mary Washington)

A hierarchical approach to supply chain risk management

Full Paper

Xiaofeng Zhao (University of Mary Washington)

The paper describes the application of hierarchical holographic modeling (HHM) to supply chain risk management. It seeks to present a structured and systematic hierarchical approach for identifying the potential risks in supply chain operations. It provides a conceptual framework to identify supply chain risks from multiple overlapping perspectives.

Can Regulated Prices Address Supply Chain Risks? - The Lessons of the Long Term Power Purchase Agreement Terminations

Abstract

Andras Herczeg (Corvinus University of Budapest), Gyula Vastag (Szechenyi University)

Long-term supply contracts can be a barrier to entry and market liquidity. While many long-term power purchase agreements were terminated in EU member states before, once again the acceptance to use them increasing once again. We present that their pricing mechanism can offer benefits for all stakeholders in certain cases.

Impact of logistic capabilities on supply chain risk

Abstract

Sreedevi R, Haritha Saranga (Indian Institute of Management Bangalore)

This study aims at understanding how logistic capabilities impact firms' efforts in implementing different risk mitigation strategies and the corresponding impact on supply chain risk performance. We analyze data from manufacturing firms across the globe using a structural equation modeling approach.

Quantitative Risk Management – Supply Chain Risk Analysis

Abstract

Soo-Keng Ang (National University of Singapore)

Zhou Rong, Bob De Souza and James Ang TLIAP NUS We study SC risk using fuzzy theory and grey system theory, and simulation. The vulnerability of the SC can be assessed.

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Sunday, Nov 22nd, 2015, 3:30-5:00 p.m. | Seneca

RESEARCH-SUPPLY CHAIN NETWORKS: Supply Chain Design and Development

Chair: John Ni (University of Rhode Island)

Simulation Analysis of Vendor-Managed versus Retailer-Managed Inventory Policies

Abstract

John Seydel (Arkansas State University), Xiaobin Wang (Shandong University of Finance & Economics), Farhad Moeeni (Arkansas State University)

Research has demonstrated analytically that, given certain assumptions, vendor-managed inventory (VMI) performs as well as or better than retailer-managed inventory (RMI). Those assumptions involve a single supplier and retailer, with Poisson-type demand. This paper employs simulation to examine the performance of VMI versus RMI under various relaxations of those assumptions.

Strategic Retailers with Endogenous Sequence of Events in Supply Chain

Abstract

Hyun-cheol Paul Choi (California State University, Fullerton), Yongjae Kim (Korea Information Society Development Institute)

When two competing firms with true autonomy of getting market information before ordering decision have information acquisition and disparity between two firms, we show there is no need for supplier to use any tactic to induce earlier ordering because firm with more info will place order at earliest possibility.

"What Does Supply Network Complexity Mean to A Company's Performance? Empirical Evidence from Supply Base Side"

Abstract

Degan Yu (The University of Rhode Island), John Ni (University of Rhode Island), Dara Schniederjans (University of Rhode Island)

Companies' operations are not independent of the supply network that they locate and therefore are influenced by the supply network's features, which include the supply network complexity. In this research we conduct an empirical study trying to shed light on the relationship between supply network complexity and firms' financial performance.

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Sunday, Nov 22nd, 2015, 3:30-5:00 p.m. | Boren

RESEARCH-SUPPLY CHAIN RESILIENCE: Exploring Supply Chain Resilience

Chair: Sergey Ponomarov (The Citadel)

An Organization Theoretic Understanding of Excellence in Humanitarian Operations

Abstract

Santosh Mahapatra (Clarkson University), Bhavaneer Rao (Ammachi Labs)

Managing humanitarian supply chains are incredibly challenging. In light of humanitarian operations across multiple disasters such as tsunami, earthquakes, landslides and floods, this study analyzes the key structural and process capabilities for developing agility, adaptability and resilience over the disaster management cycles.

Analysis of disruptions and mitigation capabilities in phases of supply chain resilience

Abstract

Eliciane Maria da Silva (FGV-EAESP), Ely Paiva (FGV-EAESP)

Paper answers the following questions: How can resilience be assessed in SC? Which capabilities can be developed during the phases of resilience? Article presents a revision of literature. Results revealed needs to future studies on performance levels and impact of disruption. Mitigation capabilities of flexibility, visibility and agility can be developed.

Exploring Conditions for Managing Supply Chain Process Variability and Resilience

Abstract

Sergey Ponomarov (The Citadel)

The purpose of this research is to highlight the role of information- and supply management capabilities in enabling resilient and agile responses to disruptions while minimizing supply chain process variability under the conditions of environmental uncertainty. A new theoretical model is proposed and tested empirically.

Impact of Supply Network Structure on Resilience

Abstract

Yuhong Li (Virginia Tech), Christopher Zobel (Virginia Tech)

Previous studies have shown that supply network structure affects resilience, but fail to quantify these impacts. This study identifies several key network characteristics and evaluates their impacts on supply network resilience under different levels of disruptions. Classification methods and simulations are employed to carry out this study.

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Sunday, Nov 22nd, 2015, 3:30-5:00 p.m. | Cedar A

RESEARCH-SUSTAINABILITY: Mathematical Modeling of Closed-Loop Supply Chains

Chairs: Sandeepkumar Jagani (University of Toledo), Laura B. Forker (University of Massachusetts Dartmouth)

A Reverse Logistics Framework in presence of Incentive Offer and Advertisement-dependent Demand

Abstract

Pankaj Dutta (Indian Institute of Technology Bombay), Debabrata Das (Indian Institute of Management Kashipur)

This paper proposes a reverse-logistics (RL) framework with an incentive-dependent return-function for used-products in reverse-channel and an advertisement-dependent demand-function for remanufactured-products in secondary-market. The proposed RL framework is integrated into a system dynamics model to investigate the performance of the integrated system both in terms of profitability and customer satisfaction.

Supply Chains with Excessive Scrap: Incentivizing Input Reduction vs. Enhancing Recycling Capabilities

Abstract

Tolga Aydinliyim (Baruch College), Eren Basar Cil (University of Oregon), Nagesh N. Murthy (University of Oregon)

We study a bilateral supply chain where the buyer and the supplier act individually. The buyer can recycle excess scrap material back to its supplier. We show that, under certain conditions, the supply chain can fully eliminate the decentralization cost via effective recycling of scrap material.

Trade-in Remanufacturing, Strategic Customer Behavior, and Government Subsidies

Abstract



2015 Program Schedule

Fuqiang Zhang (Washington University in St. Louis), Renyu Zhang (Olin Business School, Washington University in St. Louis)
 We study the impact of remanufacturing under strategic customer behavior and government subsidies. We find that trade-in remanufacturing can serve as an effective mechanism to mitigate strategic customer behavior, and that the adoption of remanufacturing and the government subsidies for remanufactured products may not lead to an environmentally better outcome.

Sunday, Nov 22nd, 2015, 7:00-8:00 p.m.

200 Sunday, Nov 22nd, 2015, 7:00-8:00 p.m. | Space Needle Space Needle

RECEPTION: International Networking Reception @ Space Needle

Sunday, Nov 22nd, 2015, 8:00-9:00 p.m.

201 Sunday, Nov 22nd, 2015, 8:00-9:00 p.m. | Space Needle Space Needle

RECEPTION: DSI Business Meeting @ Space Needle

Sunday, Nov 22nd, 2015, 9:00-11:00 p.m.

202 Sunday, Nov 22nd, 2015, 9:00-11:00 p.m. | Grand Ballroom C

RECEPTION: DSI After Hours Gathering

Monday, Nov 23rd, 2015, 7:00-8:30 a.m.

203 Monday, Nov 23rd, 2015, 7:00-8:30 a.m. | Eagle Board Room

ADMINISTRATIVE MEETING: Marketing Committee

Chair: Kaushik Sengupta (Hofstra University)

Advisor: Johnny Rungtusanatham (The Ohio State University)

Members: Kathryn Zuckweiler (University of Nebraska at Kearney), Seth Powless (University of Toledo), Douglas Hales (University of Rhode Island), John Ni (University of Rhode Island), Sarah Schafer (University of Wisconsin Oshkosh), David Novak (University of Vermont), Susan Pariseau (Merrimack College), James Stoddard (Appalachian State University)

Monday, Nov 23rd, 2015, 7:30-8:30 a.m.

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Monday, Nov 23rd, 2015, 7:30-8:30 a.m. | Metropolitan Ballroom (Break Area)

BREAKFAST 3: Continental Breakfast Sponsored by Project Management Institute

Monday, Nov 23rd, 2015, 8:30-10:00 a.m.

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Monday, Nov 23rd, 2015, 8:30-10:00 a.m. | Eagle Board Room

ADMINISTRATIVE MEETING: Mexico DSI Regional Annual Business Meeting

Chair: Antonio Rios-Ramirez (ITESM/University of Houston)

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Monday, Nov 23rd, 2015, 8:30-10:00 a.m. | Dashpoint Board Room

ADMINISTRATIVE MEETING: Southwest DSI Regional Annual Business Meeting

Chair: Peggy L. Lane (Missouri Western State University)

Members: Hong Qin (University of Texas-Rio Grande Valley), Pamela Rogers (Cameron University), Michael Robert Lane (Missouri Western State University), Mohan Rao (Texas A&M University-Corpus Christi), Matthew Lindsey (Stephen F. Austin State University), Mark McMurtrey (University of Central Arkansas), Victor Prybutok (University of North Texas), June Wei (University of West Florida), Khaled Alshare (Qatar University), Eugenie Ardoin (University of Louisiana at Monroe), Michael Hanna (University of Houston-Clear Lake), Bradley Jensen (Microsoft), Carl Rebman (University of San Diego), Rhonda Syler (Louisiana Tech University)

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Monday, Nov 23rd, 2015, 8:30-10:00 a.m. | Grand Ballroom B

CONSORTIA-STATISTICS BUSINESS SCHOOLS: Thoughts, Tips and Suggestions for Teaching Statistics for Today's Students

Moderator: Robert Andrews (Virginia Commonwealth University)

Panelists: David Levine (Baruch College-CUNY), Tracy Rishel (The Citadel), Sudip Ghosh (Penn State University, Berks College), Wilma Andrews (Virginia Commonwealth University)

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Monday, Nov 23rd, 2015, 8:30-10:00 a.m. | Columbia

EDUCATION-TEACHING ONLINE: What to keep and What to improve in the online learning environment?

Chair: Kaye Bragg (CSU Dominguez Hills)

Do online students want more contact?

Abstract

Morgan Shepherd (University of Colorado Colorado Springs)

In 20 years of teaching online MBA students the author is now noticing that online students do not make much of an effort to reach out for contact. The purpose of this abstract is to start a discussion on why this is occurring, and which methods are better received than others.

Effect of m-mentoring on students retention and progression

Abstract

Karma Sherif (Texas Southern University), Mayur Desai (Texas Southern University)

Universities are charged with the national target of increasing participation in STEM fields. Major obstacles to student learning in STEM have been lack of motivation and confidence in successfully completing requirements. In this research, we focus on the effect of mobile mentoring on increasing involvement, improving GPA, retention, and progression.

The Impact of Course Delivery Mode: A Longitudinal Study

Abstract

William Ellegood (Sam Houston State University), Donald C. Sweeney (University of Missouri - St Louis), Mimi Duncan (University of Missouri - St Louis), Kathleen Burns (University of Missouri - St Louis), Jeremy W North (Murray State University)

This research examines the longitudinal impact of course delivery mode. The study includes data of 1,078 students enrolled in sequential Information System courses from 2010 through 2014 at a public university. The study finds that the delivery mode of the prerequisite course impacts the learning outcome in the subsequent course.

Students' Perception of a Blended Learning Environment

Full Paper

Tuncay Bayrak (Western New England University), Bahadır Akcam (Western New England University)

Web-based training and testing platforms provide opportunities for students to leverage the capabilities of various information and communication technologies to engage in self-directed learning. The purpose of the study is to develop an instrument which would help measure the impact of a web-based blended learning platform on student learning

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Monday, Nov 23rd, 2015, 8:30-10:00 a.m. | Issaquah B

EDUCATION-TECHNOLOGY: Teaching Support and Assessment of Learning

Chair: Elena Moshkovich (University of Montevallo)

Teaching Assistant Support System

Abstract

Albert H. Huang (University of the Pacific), KUOFANG PENG

A challenge faced by online education is to maintain meaningful interaction with students. We propose the development of a Teaching Assistant Support System to address this challenge. With this system, a teaching assistants can be used to provide individualized attention to students with assurance of quality and consistency.

A Pilot Assessment of Student Retention of Excel Spreadsheet Skills

Abstract

Kenneth Sousa (Bryant University)

Technology skills are critical across the various organizational functions. The delivery of applicable technology skills needs to be a baseline core competency and retention. This research study will extend a previous study by investigating the level of retention of Excel skills through an objective skills assessment.

ORCON – an Excel-based tool for analysis of ordinal consistency in the pairwise comparison of objects

Abstract

Elena Moshkovich (University of Montevallo), Alexander Mechitov (University of Montevallo)

The proposed tool is based uses Excel macros to analyze ordinal inconsistency in the pairwise comparison matrix. The tool allows to find all three-ways cycles and analyze efficiency of possible changes to achieve consistency. The tool is useful in teaching decision analysis methods such as Analytical Hierarchy Process (AHP).

Impact of Homework Assignment Delivery Systems and Student Characteristics on Student Learning Outcomes in Operations Management Courses

Abstract

Hui-chuan Chen (University of Tennessee at Martin)

Previous studies for operations management involving comparisons between paper-and-pencil based and web-based assignment systems did not include surveys to assess the manner in which other predictors might affect learning outcomes. Our findings provide assurance that utilizing a web-based system doesn't negatively affect student performance in relation to students' predetermined characteristics.

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Monday, Nov 23rd, 2015, 8:30-10:00 a.m. | Greenwood

PANEL: Meet the Editors of DSI Publications

Workshop Coordinator: Thomas Stafford (University of Memphis)

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Monday, Nov 23rd, 2015, 8:30-10:00 a.m. | Ravenna A

RESEARCH MARKETING: Building Effective Relationships

Chair: Hongkai Zhang (East Central University)

Joint Segmentation and Graphical Representation of Product Spaces Using Three-Mode Binary Data: A Comparison of Two Models

Abstract

Kemal Buyukkurt (Concordia University)

Hierarchical classes analysis and an extension of multiple correspondence are compared in terms of the insights they provide for marketing. Based on three-mode three-way binary data collected from medical doctors joint segmentation and construction of the related perceptual product spaces are carried out for both models and results are compared.

Investigating Gender-Service Evaluation Relationships: Implications for Marketing Strategy

Abstract

Ugur Yavas (East Tennessee State University)

Gender differences partially stem from biological make-up and partially from socialization experiences. Based on the precepts of these perspectives, this study investigates whether females and males differ on the emphases they place on core service and relational service dimensions in choosing a hotel. Implications for marketing strategy are discussed.

Marketing Channels and Firm Performance

Abstract

Olajumoke Awe (University of Texas at Arlington)

Research has shown that collaborative inter-firm relationships leads to better firm performance but what role does the competitive advantage and the forces that shape strategy of a firm in the industry play in this relationship. This paper examines and discusses this relationship

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Monday, Nov 23rd, 2015, 8:30-10:00 a.m. | Everett

RESEARCH-ACCOUNTING: Healthcare Accounting and Journal Citation Analysis

Chair: Kamala Raghavan (Texas Southern University)

The Association between Ownership Type and Hospital Performance Level

Full Paper

Kathryn Chang (Sonoma State University)

This paper examines the influence of ownership on hospital financial and non-financial performance with a focus on high-performing and low-performing groups. Based on theory and literature, it predicts for-profit hospitals outperform both private and public hospitals. However, the finding suggests that such effect varies across hospital types and performance levels.

In-House or Outsource: Strategic Decision for Healthcare Revenue Cycle Management

Abstract

Mehmet C. Kocakulah (University of Southern Indiana), Jeffrey McGowan (Pollux Systems Inc.)

Outsourcing of healthcare services is expanding rapidly. Because of the unique aspects of healthcare, however, this sector was at first slow to adapt outsourcing. There is now great interest and the nature and type of services being outsourced by healthcare organizations.

The Journal of Management Accounting Research: A Citation Analysis of the First 25 Years

Abstract

Daryl Guffey (Clemson University)

This article provides a citation analysis for the Journal of Management Accounting Research (JMAR). During this study, citations to articles in JMAR were collected; used to rank articles, authors, university faculties, and PhD programs; and identified individuals and institutions contributing the most towards establishing JMAR as a premier accounting journal.

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Monday, Nov 23rd, 2015, 8:30-10:00 a.m. | Diamond B

RESEARCH-CONSUMER BEHAVIOR: Motivational and Emotional Drivers of Consumer Behavior

Chair: Berna Devezer (University of Idaho)

Effects of Anticipatory Emotions on Consumer Preferences: Moderating Role of Product Involvement and Mediating Role of Affective Evaluations

Abstract

Kemal Buyukkurt (Concordia University), Cathy Kittson (Concordia University)

A laboratory experiment that focuses on the effects of anticipatory emotions on consumer preferences is presented. The products about which the respondents express preferences involve hedonic versus utilitarian trade-offs. Hypotheses regarding the moderating effects of product involvement and mediating role of affective evaluative judgments (overall liking) are tested.

Emotional Foundations of Individual's Perception: The Case of Technology Radicalness

Full Paper

Mehdi Darban Hosseini Amirkhiz

Emotions are important drivers of users' beliefs and consequently their behaviors. We highlight the role of perceived radicalness, which mediates the relationship between emotions and usage intentions. The developed model adopts from appraisal tendency framework and tests four distinct classes of emotions: challenge, achievement, loss, and deference emotions.

Emotions and Knowledge in Consumer Financial Decisions

Abstract

Yun Chung, Youngkyun Park

We present research examining how emotions, subjective knowledge, and objective knowledge influence consumer financial decision-making. We analyze survey data from 434 workers who have a 401 (k) account, using two-stage least square regression. Results show that positive and negative affects significantly influence financial decision-making through subjective knowledge.

From Behavior to Failure: Self-Schema Activation Model of Consumer Self-Regulation

Abstract

Berna Devezer (University of Idaho), Kivilcim Dogerlioglu-Demir (Sabanci University)

Consumer behavior is goal-directed; yet, self-regulation process often fails. This paper sets out to explore the seemingly straightforward question: What is self-regulatory failure? Current work offers a novel framework drawing from the symbolic self-completion theory to understand the mechanics of consumer self-regulation and predict its behavioral consequences.

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Monday, Nov 23rd, 2015, 8:30-10:00 a.m. | Madrona

RESEARCH-DATA ANALYTICS: Data analytics in financial services

Chair: Ching-Chin Chern (National Taiwan University)

A Decision-Tree-Based Classifier for Credit Assessment Problems under a Big Data Environment

Full Paper

Ching-Chin Chern (National Taiwan University), Weng U Lei (National Taiwan University), Shu-Yi (Max) Chen (Ming Chuan University)

This study proposes a Decision-Tree Credit Assessment Approach (DTCAA) to solve the credit assessment problem under a big data environment. By acquiring a large-volume dataset from one of the biggest car collateral loan companies in Taiwan, the efficiency and the validity of DTCAA are verified through several experiments.

An Examination of the Behavior of Weekly Stock Prices of Fortune 500 Firms and S&P Small Cap 600 Firms

Full Paper

Young Hwa Kim (Clark Atlanta University), Edward L Davis (Clark Atlanta University), Charles T Moses (Clark Atlanta University)

We have revisited a random walk hypothesis by analyzing the behavior of the weekly stock prices of 473 Fortune 500 firms and 594 S&P small cap 600 firms over 40 years.

Relationship between Operational Efficiency and Financial Performance of Indian Banks: An Application of Analytics

Full Paper

Ramachandran Natarajan (Tennessee Tech University), Ravi Jain (Symbiosis Institute of Business Management, Hyderabad Campus), Bhimaraya A Metri (International Management Institute)

This paper investigates the relationship between operational efficiency and financial performance of Indian Banks. Correlation and multiple regression analytics were performed on the data from public and private sector banks. Hypotheses were tested and results were interpreted.

The Effect of Industry-specify Real Effective Exchange Rate Movements on the Productivity of Manufacturing Industries in China

Full Paper

yunbin SHEN (Tongji University), Yingzhe Gu

We calculate the industry-specify real effective exchange rate (IREER) of china manufacture department and analyze the effect of IREER movements on total factor productivity (TFP). The research shows that, depending on the position of the firms in the TFP distribution, IREER has significant positive or negative impact on the TFP.

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Monday, Nov 23rd, 2015, 8:30-10:00 a.m. | Leschi

RESEARCH-DECISION MODELS LOGISTICS: Logistics risk management

Chair: Hakan Yildiz (Michigan State University)

Unraveling the Lead-Time Uncertainty Paradox

Full Paper

John E. Tyworth (Penn State University), John Saldanha (West Virginia University)

Under certain conditions the normal approximation of lead-time demand paradoxically increases rather than decreases safety stock when increasing lead-time reliability. We investigate three conditions necessary to observe this uncertainty paradox. We show that the normal approximation prescriptions are not flawed, but appropriate—even when the three conditions are valid.

Assessing and Mitigating the Effects of Seaport Disruptions

Abstract

John Saldanha (West Virginia University), Peter F Swan (Penn State Harrisburgh)

Several natural and human causes close seaports severely disrupting shippers' supply chains. The effects of closures on importers' supply chain operations are not yet fully understood. Less attention has been paid to how managers can mitigate those effects. We simulate the effects of seaport disruptions and explore alternative mitigating strategies.

Transportation capacity risk management

Abstract

Jiho Yoon (Michigan State University), Hakan Yildiz (Michigan State University), Srinivas Talluri (Michigan State University)

In recent years, shippers have experienced capacity shortages that led them to consider guaranteed capacity contracts with 3PLs. Given this, 3PLs need to analyze their options in the face of uncertain demand. We analyze various capacity-based risk mitigation strategies in providing insights on which strategy is preferable for a 3PL.

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Monday, Nov 23rd, 2015, 8:30-10:00 a.m. | Willow A

RESEARCH-DECISION MODELS: Models in Operations Management

Chair: Nilofar Varzgani (Rutgers University)

Optimal Picking Sequence for a Conveyor Belt Order Picking System

Abstract

Feng Tian (Governors State University)

A conveyor belt order picking system divides a picking area into several zones through which an order will be sent on a conveyor belt. If orders are not released properly, the whole conveyor belt will jam. We develop a picking sequence that reduces the total throughput time.

Optimization of Maintenance Policy in the Presence of Competing Risks

Abstract

Nilofar Varzgani (Rutgers University), Michael N Katehakis (Rutgers University), Suresh Govindaraj (Rutgers Business School)

We study the optimal replacement and maintenance policy for a single unit system which undergoes periodic inspection in order to decide if the system should be replaced or not. The system is subject to competing risks of deterioration; regular depreciation due to usage, and random shocks.

Stochastic Cost Volume Profit Analysis with Mellin Transform

Abstract

Hongyan Liang (Kent State University), Eddy B Patuwo

The current literature on stochastic applications of the CVP model is limited in that the model is studied under the restrictive forms of the Gaussian and Lognormal distributions. In this paper we introduce the Mellin Transform as a methodology to generalize the stochastic modeling of the CVP problem.

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Monday, Nov 23rd, 2015, 8:30-10:00 a.m. | Ballard

RESEARCH-EMERGING INFORMATION TECHNOLOGY: Emerging information technologies at the IS-OM interface: Research issues, topics, and publication strategies

Moderator: Subodha Kumar (Mays Business School, Texas A&M University)

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Monday, Nov 23rd, 2015, 8:30-10:00 a.m. | Ravenna C

RESEARCH-ETHICS: Corporate Social Responsibility (CSR): Engagement, Investments and Impacts

Chair: Theodore P. Byrne (California State University-Dominquez Hills)

A decision framework to distinguish CSR activities from business activities

Abstract

Rahul Chandra Sheel (XLRI), Neharika Vohra

We present a conceptual paper using critical theory to distinguish CSR activities and pure business activities. We wish to clarify the general confusion among business organizations when reporting CSR initiatives. We hope that this paper would contribute to better fund allocation with an increased social impact for companies.

Data Envelopment Analysis on Corporate Social Responsibility of Korean Business Groups

Abstract

Donghyup Woo (State University of New York at Buffalo), Nallan Suresh (University at Buffalo-SUNY)

This research identifies the strategic nature of corporate social responsibility (CSR) adopting the technique of data envelopment analysis (DEA). Using Korean data, it explores the dimensions of CSR where a firm has a strength and utilized as benchmark CSR firms. We also analyze the relationship between CSR and financial performance.

Factors influencing CSR engagement of MNE subsidiaries- A perspective from the competitive dynamics theory

Abstract

Yu-Shu Peng (National Dong Hwa University)

Based on the competitive dynamic theory, the study uses concepts of local embeddedness, local responsiveness and subsidiary resources to explain MNE subsidiaries' CSR engagement. Evidence from MNE subsidiaries in Taiwan reveals that subsidiaries with greater local embeddedness, local responsiveness and subsidiary resources will more likely commit to greater CSR practices

The Effect of Industry Concentration and R&D on Corporate Social Responsibility and Firm Financial Performance

Full Paper

Albi Alikaj (Texas A&M International University), Cau Ngoc Nguyen (Texas A&M International University), Wei Ning (Texas A&M International University)

In this paper, we examine how an external factor such as industry concentration affects investments in CSR. We also combine the effect of industry concentration with that of R&D intensity, an internal resource, to examine the dual effect on CSR as well as on firm financial performance.

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Monday, Nov 23rd, 2015, 8:30-10:00 a.m. | Virginia

RESEARCH-GLOBAL SUPPLY CHAIN: Manufacturing and Logistics Research

Chair: John Bell (University of Tennessee-Knoxville)

Logistics Contract

Abstract

Soo-Keng Ang (National University of Singapore)

H. Mirzahosseini, M. Goh, R. De Souza, J. Ang TLIAP Logistics service providers have to deliver on time. We study urban logistics system improvement using a performance-based contract. We establish contractual metrics in the urban logistics system for both commercial and environmental performances.

Opportunism in Manufacturing Outsourcing

Abstract

Keith Skowronski (The Ohio State University), W.C. Benton (The Ohio State University)

Using dyadic buyer-supplier data, we empirically examine two different types of opportunism, poaching and shirking, in manufacturing outsourcing relationships. In this multi-country study, the legal environment of the supplier's location is hypothesized to moderate relationships between exchange hazards, relational governance mechanisms and the different forms of opportunism.

Outsourcing to Emerging Markets: Effects on Firm's Green Supply Chain Performance

Abstract

Pritha Dutta (University of Massachusetts, Amherst), Adams Steven (University of Massachusetts Amherst)

In this paper we link the concepts of global supply chain management with sustainability. The past decade has seen a growing trend of outsourcing of operations by companies to emerging markets with weak environmental regulations. We intend to study the effects of this strategy on the company's green performance.

What is the right logistics configuration for your product?

Abstract

Stella Hua (Western Washington University), Danny Johnson (Iowa State University College of Business)

Logistics and distribution/cross-docking decisions remain challenging due to increasing facility and labor costs, growing demand of customization and shorter lead time, and emerging standards for carbon footprint reduction. In this paper, we provide insights from literature review and field research for decision making in dealing with logistics challenges.

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Monday, Nov 23rd, 2015, 8:30-10:00 a.m. | Redwood A

RESEARCH-HEALTHCARE: Essential Ingredients for Process Improvement in Healthcare

Chair: Yulong Li (Simmons College)

Forecasting and Inventory Levels in the Pharmaceutical Industry

Abstract

Kathleen Iacocca (University of Scranton), Kingsley Gnanendran (University of Scranton)

We present research relating the determining appropriate forecasting techniques and inventory levels for brand-name prescription drugs. We examine issues such as consumer behavior and preference for a particular drug, alternative drug options, ethical issues of stockout, expiration dates, and generic entry.

Operational Innovations and Service Quality on Organizational Performance

Abstract

DonHee Lee, Sang M. Lee (University of Nebraska-Lincoln)

Innovation is an important factor for developing and sustaining competitive advantage as well as for the success and growth of any organization. This study investigates the effects of operational innovations on organizational performance in the health care sector.

Sharing medical process knowledge among physicians in the same specialty practice group to improve healthcare delivery

Full Paper

Yulong Li (Simmons College), John Lowe (Simmons College)

Facing the contextual changes in healthcare, physicians should share medical process knowledge with their colleagues in the same specialty practice group to further improve healthcare performance. We propose a research model based on the Theory of Planned Behavior to explore the contributing factors and performance consequence of knowledge sharing behaviors.

Simulating the behavioral aspect of agents in Emergency Room with respect to high reliability characteristics

Abstract

Maryam mahdikhani (Rutgers University), Arash Azadegan (Rutgers University)

The study investigates the effect of High Reliability Organization concepts on the performance of involved agents at emergency rooms to increase the efficiency of performance. Applying ABM techniques makes contributions to illustrate that the effect of which attributes for which agent is more significant than others.

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Monday, Nov 23rd, 2015, 8:30-10:00 a.m. | Aspen

RESEARCH-HEALTHCARE: Integrating Systems Efforts for Health Service Quality

Chair: Ming-Ling Sher

An Integrated Research Framework for Investigation of Individuals' Intention to Provide Health Information

Abstract

Hsin-Ginn Hwang (National Chiao Tung University), Hui-Ting Lin (National Chiao Tung University), Ju-Ling Hsiao (Chia-Nan University of Pharmacy & Science)

The purpose of this study is to propose an integrated research framework to study of individuals' concern for health information privacy to the intention to provide their personal health information in the EMR exchange context.

Causes and Consequences of Telemedicine Adoption in Clinics with Clinical Decision Support System

Abstract

Xiaojin Liu (University of Minnesota-Twin Cities), Susan Goldstein (University of Minnesota-Twin Cities), Karen Soderberg, Kingshuk K. Sinha (University of Minnesota-Twin Cities)

Telemedicine, the technology-enabled remote delivery of clinical care, is one potential means to improve patient access to health care services. Yet, little is known on antecedents and consequences of current adoption. We investigate how geographical, socioeconomic and organizational characteristics determine the adoption, and examine how telemedicine impacts clinical care effectiveness.

Examining the Design and Use of Healthcare IS

Abstract

Deema AlSekait (Towson University), Suranjan Chakraborty

Systems standardization represents an implication to the design of Information-Systems, and to the challenge of developing closer integration within the sector. The study empirically investigates the issue of standardization as it relates to healthcare IS development, by adopting an interpretive approach using data collected from a hospital in Saudi Arabia.

How the health data can be more secure: A practical approach based on hybrid cryptographic techniques

Abstract

Heejun Choi (University of Mary Hardin-Baylor), Paul Hong (The University of Toledo)

There has been much research on Wavelet transform and Steganography techniques but both of them have not been together, especially in the healthcare fields. This paper shows how this hybrid method combined with two techniques can be utilized for securing health data, through a case study with experiment of data set.

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Monday, Nov 23rd, 2015, 8:30-10:00 a.m. | Cedar B

RESEARCH-HOSPITALITY: Technology, service innovation, and the guest experience.

Chair: Carola Raab (UNLV)

Technology and customer relationships: the case of quick service restaurants

Abstract

Odile Jeanne Streed (Concordia College), Albert Kagan (ASU)

This research examines the impact of technology usage on customer relationships within the quick-service restaurant (QSR) industry. From self-service kiosks to online ordering and mobile couponing with geofencing opportunities, QSR chains are trusting technology to enhance connections with customers. This research proposes to examine the validity of this assumption.

The Quality of E-mail Responses of Hotels: Analysis of the Middle East Hotels

Abstract

Asma Nasser Al-Zaidi (Sultan Qaboos University), Asrar Al Hinai (Sultan Qaboos University)

Aim study is to explore the quality of customer e-mail responses through mystery guest approach. A hypothesized relation of e-mail quality of responses and hotel characteristics has been developed for the study. The study also will test the relation between e-mail service quality and service quality hotel performance

A Proposed model of Co-creation Dynamics for Service Innovation

Abstract

Ja-Shen Chen (Yuan Ze University), Don Kerr (University of the Sunshine Coast), Chinhui Ang

This study explores the dynamics of collaboration between travel agents and their suppliers in co-creating value for their customers in Taiwan and Malaysia. It examines the relationship among six co-creation elements (co-creation dynamics), service innovation, competitive advantage, technology adoption and environmental change, and the moderating effects of trust.

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Monday, Nov 23rd, 2015, 8:30-10:00 a.m. | Capitol Hill

RESEARCH-INFORMATION SYSTEM DESIGN: IS Research Opportunities and Curriculum Design

Chair: Xuefei (Nancy) Deng (California State University, Dominguez Hills)

A Design Thinking Approach to Developing Academically Impactful MIS Research

Abstract

Robert Cerveny (Florida Atlantic University), Ravi Behara (Florida Atlantic University)

A Design Thinking approach is adopted in this study to enable faculty be the architects of their academic impact. Research of leading IS faculty are analyzed using social network analysis. Results indicate that researchers coalesce around themes of system, business or human-centric research, and work with "strategic" and "opportunistic" teams.

Environmental Factors, New Developments in Delivery of IT Services, and MIS Curriculum

Abstract

Vipin K Agrawal (University of Texas at San Antonio), Vijay Agrawal (University of Nebraska at Kearney)

This paper evaluates the various business challenges and their effects on IT departments. This includes the options available with them for delivery of IT services such as outsourcing and cloud computing and the implications on the organization of IT departments and design of MIS curriculum in US universities.

Camera Based Assistive News Paper Reading Model For Blind Person

Abstract

Supankumar Singh

This research paper is based on assistive text reading model to assist the visually blind person, the person having weak eye sites. In general, the number of picture will be captured and probed by creating single picture.

Flipping the MIS Classroom

Abstract

Christine Alexander (University of Central Oklahoma)

The scholarship of teaching and learning (SoTL) is a combination of teaching, learning, and research driven by a desire to understand and improve the student learning experience. This research follows one professor's efforts to flip the MIS classroom in an effort to increase excitement and learning in MIS.

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Monday, Nov 23rd, 2015, 8:30-10:00 a.m. | Ravenna B

RESEARCH-INVESTMENTS: Investments and International Finance

Chair: Khaled Abdou (Penn State University, Berks College)

Inflation Targeting Regime and the Relationship between Stock Returns and Inflation: New Evidence using the VAR approach

Abstract

unro lee (university of the pacific)

Many countries have adopted inflation targeting monetary policy since 1990 to combat persistently high inflation rate. This study investigates, for seven inflation targeting countries, whether the adoption of inflation targeting strategy has affected the dynamic relationship between stock returns and inflation rate within the Vector Autoregressive (VAR) framework.

The Executive's Managerial Opportunism and Information Technology Investments

Abstract

Junghwan Kim, Jaeki Song

This study focuses on the executives' role in IT investments. Based on resource-based view and agency perspective, we address that executives' managerial opportunism including horizontal and myopia problems have negative impacts on their investment decisions on IT capabilities – inside-out, spanning, and outside-in capabilities – which in turn influence firm performance.

Trading Durations and Realized Volatilities - A Case from Currency Markets

Full Paper

Gaurav Raizada (SJMSOM, IIT Bombay), S.V.D. Nageswara Rao (Indian Institute of Technology, Bombay)

A new class of arbitrage bounds derived from the difference in traded time of previously locally traded assets in Geographically Separate Exchanges is being proposed. We show that Realized Volatility is higher in Offshore Exchanges emanating from the fact that they trade for far longer durations than Onshore Exchanges do.

Limited Partners in VC-backed Companies: Evidence From a Global Perspective

Abstract

Khaled Abdou (Penn State University, Berks College), Pia Gupta (California State University - Long Beach)

Our objective is to investigate the provisions of the contract (between limited partners and venture capital firms) in order to determine which features have positive/negative impact on the LP's return on investment. In addition, we would like to examine the persistence of such returns in the long run.

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Monday, Nov 23rd, 2015, 8:30-10:00 a.m. | Medina

RESEARCH-LEAN QUALITY SIX SIGMA: Lean Six Sigma Performance Measurement

Chair: Jaideep Motwani (Grand Valley State University)

Antecedents and Consequences of Measuring Quality in a Balanced Scorecard Framework: Does Measurement Matter?

Abstract

Roger Calantone (Michigan State University), Matthew Castel (Michigan State University), Lorenzo Lucianetti (University of Chieti and Pescara), Shawnee Vickery (Michigan State University)

This study examines how the extent to which a company measures different aspects of quality performance corresponding to the "customer," "internal processes," and "learning and growth" perspectives of a balanced scorecard has an effect on market performance leading to financial performance.

Exploring the impact of Service Quality on Organisational Performance

Abstract

Jaideep Motwani (Grand Valley State University), Iain Reid (University of Huddersfield), Maria Argyropoulou

The main research objective of this paper was the exploration of the statistical relationship between two main constructs: Service Quality and Organisational Performance. The results provide insight into the Organisational Performance field of research and document a number of IS implementation issues in the Greek market during the financial crisis.

Quality Performance Measurement in Information System

Abstract

Kathy Costlow, Mahesh Raisinghani, Fen Wang (Central Washington University), Xinbao Wang

This manuscript introduces the study of quality performance measurement, continuous process improvement and the Information System (IS) teams.

The impact of organisational agility in business excellence models of Australian SMEs

Abstract

Vik Korian (Performance Improvement Institute), Norma Harrison (Macquarie Graduate School of Management)

A proposed improvement to the EFQM model is to include Agility as an extra enabling factor. A PLS-SEM analysis of data from 150 medium-large firms in Australia provides empirical support for this theorization. These results contribute to business excellence models, suggesting organisational agility should be included with the established EFQM enablers.

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Monday, Nov 23rd, 2015, 8:30-10:00 a.m. | Jefferson A

RESEARCH-LOGISTICS: 3PLS & Delivery Service

Chair: Christina McCart (Roanoke College)

Exploring Operational Problems for Future Delivery Service Operations Using Unmanned Aerial Vehicles

Abstract

Heng Chen (University of Massachusetts Amherst), Senay Solak

It is well accepted that commercial use of UAVs in the near future will involve delivery service operations by retailers and courier companies. We outline strategic and tactical decisions that these companies will face in UAV based delivery operations, and derive certain capacity and revenue management policies under stochastic demand.

Knowledge Management and Service Quality Capabilities for Performance: An empirical study of Logistics Service Providers

Full Paper

Simon Yuen (SPEED, Hong Kong Polytechnic University)

With increasing trend on logistics outsourcing from multinational firms worldwide, LSPs develop their business by filling in operational and functional gaps in global supply chains. This paper proposes a research model as well as the measures for the investigation of the relationships among learning, capabilities and supply chain orientation variables.

Strategic perspectives of 3PL providers towards reverse supply chain activities

Abstract

Nancy Southin (Thompson Rivers University)

This study explores the strategic perspectives of 3rd Party Logistics providers towards reverse supply chain activities by investigating their service offerings. Using field study interviews and content analysis of company websites, multiple perspectives are identified reflecting the influence of both the competitive environment and managerial decisions.

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Monday, Nov 23rd, 2015, 8:30-10:00 a.m. | Jefferson B

RESEARCH-NEW PRODUCT: Emerging Topics in Innovation and Product Development

Chair: Shad Dowlatshahi

Longitudinal influence of patenting in US manufacturing firms on firms' performance

Abstract

Cherry Singhal (University of South Carolina)

Extant literature has investigated the influence of a firm's innovation on its performance. This study uses patent data to measure innovation of US manufacturing firms and examines its effect on firm's performance. Patent data is divided into three time periods between 2006 and 2014. Influence of control factors is investigated.

Supply Chain Driven Innovation in the US

Abstract

Veronica A Freitas de Paula (Universidade Federal de Uberlandia), Wendy Tate (University of Tennessee-Knoxville), Verica M Freitas de Paula (Universidade Federal de Uberlandia), Ulrich Schmelzle (The University of Tennessee, Knoxville)

Building strategic alliances and cooperating with other organizations can be an important source of innovation. This research aims at analyzing supply chain driven innovation in companies in the United States. It is a comparative, qualitative case study, developed with innovative companies with operations in the United States.

Third Party Developers's Production Strategies

Abstract

Degan Yu (The University of Rhode Island), Yuwen Chen (University of Rhode Island), John Ni (University of Rhode Island)

Over the past few years, many digital platforms have emerged. It is not surprising, that in the meantime, the number of mobile platform products has explosively increased. In this research we analytically investigate third party developers' production strategies.

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Monday, Nov 23rd, 2015, 8:30-10:00 a.m. | Kirkland

RESEARCH-OPERATIONS MANUFACTURING: Scheduling and Line Balancing

Chair: John Visich (Bryant University)

A Slicing Tree Representation and Harmony Search based Heuristic Algorithm for Unequal Area Facility Layout Design

Abstract

sumin kang (Korea Aerospace University), Junjae Chae (Korea Aerospace University)

We propose a structure for the proper representation of the layout of the facility and use of Harmony Search based heuristic to generate a quality solution for a layout design problem. Some ways to improve the solution generated by basic Harmony Search is introduced.

Economic Investment Decision for Uncertain Line Ratings

Abstract

Masood Jabarnejad (Western Kentucky University), Jorge Valenzuela (Auburn University)

Dynamic line rating enables the energy market to inject more power to the electric transmission lines. We develop a mathematical programming model and find the best investment decision for the dynamic rating system in terms of the investment time and the investment location.

Enumerative search for crane schedule in anodizing operations

Full Paper

Jaraporn Hassamontr (King Mongkut University of Technology North Bangkok), Kanate Puntusavase (Silpakorn University)

This research aims to develop an algorithm to generate a schedule of multiple cranes that will maximize load throughputs in anodizing operation. The algorithm utilizes an enumerative strategy to search for cycle time between successive loads and crane covering range over baths.

Smoothing Mixed-Model S-Line and U-Line Balances

Abstract

John Visich (Bryant University), Basheer Khumawala (University of Houston)

In this research we will present a comparison of mixed-model serial and U-shaped assembly line balancing solutions for a 61-task 4-model test problem for a variety of model mixes, sequences and workstations. Initial line balances are smoothed by minimizing the sum of the cycle time violations using the Great Deluge Algorithm.

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Monday, Nov 23rd, 2015, 8:30-10:00 a.m. | Juniper

RESEARCH-OPERATIONS STRATEGY: Innovation and Operations Strategy

Chair: Matthew Jenkins

Specialization, Slack Orientation, and Adaptive Capacity in Uncertain Environments

Full Paper

Matthew Ford (Northern Kentucky University)

This paper applies a structural contingency perspective toward the problem of operations specialization under conditions of uncertainty. Generally, more environmental uncertainty reduces the degree of specialization associated with effective adaptation. The concept of organizational slack is employed to propose various slack orientations that offer adaptive capacity for specialized operations.

The Effects of Distance on Innovation

Abstract

Ajay Das (Baruch College-CUNY), Narendra Paul Loomba (City University of New York), Sandip Basu (City University of New York)

We propose a conceptual framework for examining the effects of distance between design and manufacturing on innovation performance. Both distance and innovation performance are multi-dimensional constructs. Their relationship is contingent on a number of associated variable.

Market Knowledge and Design to Change: The Role of Technology

Abstract

Ely Paiva (FGV-EAESP), Eliciane Maria da Silva (FGV-EAESP)

This study analyzes how company's knowledge influences the search for new technologies. We used a survey with 196 international companies and SEM to analyze the model. We identified customer, supplier and competitor market based knowledge. Results evaluate the relation between the existing level of knowledge and design adapted to change.

Production Process Moves and their Learning Curves

Abstract

Pettis Kent (University of Minnesota), Enno Siemsen

1. How can firms effectively transfer process knowledge to achieve desired outcomes during a move? 2. How quickly does a firm progress along their learning curve upon relocation? We perform lab experiments grounded in knowledge gained from mid to large sized firms who have performed moves in the past.

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Monday, Nov 23rd, 2015, 8:30-10:00 a.m. | Willow B

RESEARCH-SERVICE: Service Innovation

Chair: Michael J. Dixon (Ivey Business School)

Testing Behavioral-Based Service Innovations: A Methodological Review of Video and Storyboard Experiments

Abstract

Liana Victorino (University of Victoria), Michael J. Dixon (Ivey Business School)

Video and storyboard experiments are a dynamic tool that is well suited for studying behavioral forms of service innovations. Based on a comprehensive literature review from five prominent journals that represented different disciplines, we present methodological insights, including illustrative examples, and discuss opportunities for applying visual-based experiments in service research.

When Does Involving Internal and External Partners in Service Innovation Pay Off?

Abstract

HsiuJu Yen (National Tsing Hua University)

This study, based on data from 245 firms, examines the distinctive effects of involving employees, customers, and business partners in innovation on service concept and service delivery. Our findings suggest the effects of engaging partners to be bounded by a firm's knowledge integration, use of IT, and environmental turbulence.

Experts' and Customers' Usage and Utility of Technology-Based Innovations in service industry

Abstract

Min Kyung Lee (Clemson University), Rohit Verma (Cornell University), Aleda M. Roth (Clemson University)

Technology-based innovations are designed to increase efficiency and customer satisfaction in services. Along with technology advancement, sharing economy through peer-to-peer review becomes an important supplier of hospitality industry. We present a comparison of usage and utility for technology-based innovations for expert and customers.

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Monday, Nov 23rd, 2015, 8:30-10:00 a.m. | Issaquah A

RESEARCH-STRATEGIC MANAGEMENT: Understanding Determinants of Firm Performance

Chair: Saurabh Srivastava (University of North Texas)

Does size matter? An examination of the relationship between size, growth and firm profitability

Abstract

Grant Miles (University of Maine), Danuse Bement, Patti Miles (University of Maine)

While assumed to be associated with increased performance, the relationship between size and growth with performance is far from established. This study examines these relationships in a sample of 754 manufacturing firms. Results raise questions as to whether pursuit of size should remain as ubiquitous as it has historically been.

Moderating Effect of the Environment on the Relationship between Innovation and Firm Performance

Abstract

Saurabh Srivastava (University of North Texas), Divesh Ojha (University of North Texas)

This study explored the relationship between innovation and firm performance in the context of external environment. Results indicate that competitive intensity positively moderates the relationship between innovation capability and firm performance, whereas, this relationship gets inverse in the presence of high market turbulence.

The performance-sustainability-branding connection: How robust is it?

Abstract

Ernest H. Hall (University of Southern Indiana), Jooh Lee (Rowan University)

Sustainability continues to attract the attention of the public and businesses alike, and promises to become even more critical in developing a firm's future strategy. As customers continue to exert significant influence over businesses, the issues of sustainability and branding will play an integral part in determining its profitability.

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Monday, Nov 23rd, 2015, 8:30-10:00 a.m. | University

RESEARCH-SUPPLY CHAIN DESIGN: Supply Chain and Informations Systems

Chair: Injoon Noh (The Ohio State University)

The value of sharing quality information for assembly products

Abstract

Injoon Noh (The Ohio State University), W.C. Benton (The Ohio State University)

This paper studies the benefit of sharing quality information among component suppliers on the quality performance of an end product manufacturer in the context of assembly products. Using an analytical model and simulation, we show the value of sharing quality information and how it varies with problem parameters.

Evaluating the strategic alignment of Supply Chain Integration and Electronic Commerce Use and its impact of Organizational Benefits: A Covariation Analysis

Full Paper

Carlo Mora (New Mexico State University), Sergio Palacios (New Mexico State University), Marvin Gonzalez (College of Charleston), Joshua Davis (College of Charleston), Gioconda Quesada (College of Charleston)

We examined the relationship of the alignment between Electronic Commerce Use (ECU) and Supply Chain Integration (SCI), and its impact on Organizational Benefits (OBE). The proposition is empirically tested and results suggest a significant and positive relationship between the strategic fit of SCI and ECU and its impact on OBE.

Internet of Things Drives Forward Supply Chain Innovations

Abstract

Bo Li (Ashland University)

Internet of Things (IoT), which connects all the products, devices, supply chain members, and end users together. This research explores the impact of IoT on supply chain innovation, provides the practical cases as illustrations, and also identifies the business insights that can guide future research and business practices.

The Impact of the Green Supply Chain to Bullwhip Effect: Evidence from China

Abstract

Haicheng Gu, Xi Yang (University of Texas Rio Grande Valley)

In this paper, we are going to investigate the relationship between green supply and bullwhip effect. Five mediators will build connection between green supply chain and bullwhip effect.

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Monday, Nov 23rd, 2015, 8:30-10:00 a.m. | Seneca

RESEARCH-SUPPLY CHAIN NETWORKS: Supply Chain Management and the Environment

Chair: Craig A. Hill (Clayton State University)

Identifying the factors affecting organizational competence and performance in green supply chains: From a social perspective

Abstract

Pei-Ju Chao (Toko University), Chang-Yao Wu (TungFang Design Institute)

Academic and corporate interest in the factors affecting corporate adopt green supply chain has risen recently. This study aims to identify the factors associated with organizational competence and performance among green supply chain partners by integrating organizational isomorphism, interorganizational citizenship behavior, and social capital.

Relationships among supply chain strategies, performance, and environmental turbulences

Abstract

Amit Arora (Savannah State University), Anshu Arora (Savannah State University), K. Sivakumar

This research proposes a relational view of supply chain management strategy (RSCMS) and its impact on organizational performance and examines the moderating role of technological and market turbulences on these relationships. We propose a conceptual model that links supply chain strategies to operational and relational outcomes of organizational performance.

Wielding buyer power: Agri-supply chain in India

Abstract

Amitava Dutta (George Mason University), Rahul Roy (IIM Calcutta), Priya Seetharaman (Indian Institute of Management Calcutta)

We examine the impact of power on supplier-customer relationships in agri-supply chain in India. Using field data of cane farmers who supply to large scale sugar mills, we model the phenomenon as a causal loop diagram. Loop dominance analysis reveals short-sighted, counter-intuitive use of buyer-power, leading to unsustainable business

practices.

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Monday, Nov 23rd, 2015, 8:30-10:00 a.m. | Boren

RESEARCH-SUPPLY CHAIN RESILIENCE: Flexibility and Information Technology

Chair: Akhadian S Harnowo (Washburn University)

An empirical study on information technologies to improve plant flexibility

Abstract

Osam Sato (Tokyo Keizai University), Yutaka Ueda (Seikei University), Yoshiki Matsui (Yokohama National University), Hideaki Kitanaka (Takushoku University), Tomoaki Shimada (Kobe University)

Flexibility in manufacturing to adapt volatile market and environment is critical for plants to survive. Plants use IT to improve the flexibility such as automatic data collection systems and information systems. We collected data about introduction of IT from leading plants and conducted an empirical study to illustrate these efforts.

Can Information Technology Overcome the Perils of Supply Chain Complexity?

Abstract

Akhadian S Harnowo (Washburn University), Gerard Burke (Georgia Southern University), Alan Mackelprang (Georgia Southern University), Cheryl L Aasheim

Supply chain complexity has long been considered a potential source of detrimental firm performance. Utilizing secondary data, we not only evaluate the extent to which supply chain complexity impacts firm performance, but also whether or not Information Technology capabilities are able to mitigate any such negative performance effects.

Challenges and Solutions for Integrative Omni-channel Supply Chains

Abstract

Shenghan Xu (University of Idaho)

We will examine various operational needs in Omni-channel settings with the special attention to the integration of online and brick-and-mortar operations. A mathematical programming model that incorporates various product characteristics, operational performance measure, demographic and geographical features of the markets will be developed. Operational strategies and tactics will be proposed.

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Monday, Nov 23rd, 2015, 8:30-10:00 a.m. | Cedar A

RESEARCH-SUSTAINABILITY: Modeling Closed-Loop Supply Chains

Chair: Sandeepkumar Jagani (University of Toledo)

Integrating Green Supply Management Practices in a Supply Chain Planning Model

Full Paper

Kanchan Das (East Carolina University), Mahboob Rahman (North South University)

A supply management system that includes a set of green criteria, relevant supply cost drivers and indirect factor is proposed. The green criteria, cost drivers, and indirect factors form the Green Supply Management (GSM) practices, which are integrated in a supply chain planning model to improve green and overall performances.

Inventory Management and Production Planning with Imperfect remanufacturing products of Closed-loop Supply Chains

Abstract

Aya Ishigaki (Tokyo University of Science), Seiichi Yasui (Tokyo University of Science), Tetsuo Yamada (The University of Electro-Communications)

This research focuses on the relation between time variation and economics. For example, we assume that newly manufactured products and remanufactured products differ in quality. It is because the usable years of a product differ. Thus, they are tested before reuse and remanufacturing operations are performed.

Reverse Logistics in an Internal Closed Loop Supply Chain

Abstract

Rajesh Srivastava (Florida Gulf Coast University), Elias Kirche (Florida Gulf Coast University)

We examine a local healthcare system which has decided to remanufacture some of its products used in delivering healthcare. This essentially forms an internal closed loop supply chain. The reverse logistics process is new for the organization. We develop a reversed logistics system with the objective of minimizing cost.

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Monday, Nov 23rd, 2015, 8:30-10:00 a.m. | Redwood B

WORKSHOP: How to Review to Become Editor of a Journal

Workshop Coordinator: Johnny Rungtusanatham (The Ohio State University)

Monday, Nov 23rd, 2015, 10:00-10:30 a.m.

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Monday, Nov 23rd, 2015, 10:00-10:30 a.m. | Grand Ballroom Pre-Function Area

COFFEE BREAK 5: Monday Morning

Monday, Nov 23rd, 2015, 10:30 a.m.-12:00 p.m..

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Monday, Nov 23rd, 2015, 10:30 a.m.-12:00 p.m. | Kirkland

EDUCATION-CURRICULUM: Abstracts in Pedagogy

Chair: Peggy Daniels Lee (Indiana-Purdue University Indianapolis)

Animated PowerPoint Presentations for Teaching Quality Management & Control Concepts and Techniques

Abstract

Mark Daniel Treleven (John Carroll University), Charles Watts (John Carroll University), Thomas Callarman (CEIBS)

Examples of PowerPoint animations used to teach concepts and techniques related to quality management and control will be presented. This colloquium will also provide general advice for those interested in creating PowerPoint animations and technical details of how to utilize advanced features of PowerPoint animation to efficiently create your own.

Is Coaching a Better Method of Teaching Case Writing to College Students?

Abstract

John P Hayes (Gulf University for Science & Technology), Sudhir Chawla (GUST)

The current study demonstrates the value of using coaching methodology to teach case writing. There was no change in the perceptions of skills enhancement when traditional classroom teaching method was used. But the students' perception of skills improvement was statistically significant in all dimensions during the semester that used coaching.

Faculty Role in Student eTextbook Adoption Decision

Abstract

Christine Alexander (University of Central Oklahoma)

With the increasing cost of college textbooks, students are looking for ways to cut expenses. However, research indicates that students still prefer printed textbooks over e-textbooks. This research examines faculty awareness of student benefits of using e-textbook as well as the role faculty may play in supporting students' e-textbook adoption.

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Monday, Nov 23rd, 2015, 10:30 a.m.-12:00 p.m. | Issaquah B

EDUCATION-TECHNOLOGY: Technology in Teaching

Chair: Hamid Pourmohammadi (California State University, Dominguez Hills)

Application of Cognitive Load Theory in Programming Teaching

Full Paper

Xiaoqing Li (University of Illinois Springfield)

E-learning tools offer great potential for instructors to develop innovative pedagogies. Based on cognitive load theory, this research proposes an information technology supported pedagogy to teach programming. With this methodology, students record their hands-on programming exercises when learning from worked examples. This method can be applied in other teaching scenarios.

Judging University Competitions with iPads

Abstract

Sue Abdinnour (Wichita State University), Barb Chaparro

We study the use of iPads in judging competitions at a university. Prior to iPads, judges used multiple paper forms. The process was time consuming and labor intensive. After using iPads, judges were asked about their experience with the new process. We share our findings from approximately 100 judges.

Preparing Students for Lucrative Cloud Analytics Careers

Abstract

Janet Bailey (University of Arkansas at Little Rock), Bradley Jensen (Microsoft)

Graduates with skills in cloud analytics are in huge demand with 25,500 unfilled positions in the US. This presentation will cover obtaining and using thousands of dollars in Azure analytics tools. Microsoft is the only company named as a leader by Gartner in both business analytics and cloud computing.

What promotes the adoption of social media in the teaching of IS/ICT and what constrains it? - Students' perspective

Full Paper

Kerstin Siakas (ATEI of Thessaloniki), Pekka Makkonen (University of Jyväskylä), Elli Georgiadou (Middlesex University), Harjinder Rahanu (Middlesex University)

This paper discusses the use of social media in education and especially in IS/ICT education. The aim has been to identify bottlenecks and success factors in the adoption of social media in IS/ICT classes. The study was based on the unified technology adoption approach.

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Monday, Nov 23rd, 2015, 10:30 a.m.-12:00 p.m. | Aspen

KEYNOTE 3: Concurrent Production: Producing in Synch with Real Demand

Chairs: Shawnee Vickery (Michigan State University), Natasa Christodoulidou (California State University, Dominguez Hills)

Presenter: Richard J. Schonberger (Schonberger & Associates, Inc.)

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Monday, Nov 23rd, 2015, 10:30 a.m.-12:00 p.m. | Ravenna A

RESEARCH MARKETING: Creating Effective Cooperation Among Key Members of the Distribution Channel

Chair: Ming Jin (The University of Utah)

Cooperative Advertising with Information Sharing on Demand Forecasting

Abstract

Xiaowei Zhu (West Chester University), Ting Zhang

A manufacturer and a retailer adopt a cooperative advertising strategy to increase the sale where they are facing uncertainty demand. We propose three forecast systems to predict the market demand, including Non-Information Sharing, Information Sharing, and Retailer Forecasting cases. We derive the optimal values.

Push, Pull and Delayed Payment Contracts When a Manufacturer Expands His Product Line

Abstract

Lingxiu Dong (Washington University in St. Louis), Xiaomeng Guo (Washington University in St. Louis), Danko Turcic (Washington University in St. Louis)

A manufacturer's ability to sell a new product often depends on a retailer's willingness to stock the product. We consider three basic wholesale price contracts in a supply chain: push, pull and delayed payment contracts, and study the effect of changing contracts on the manufacturer's product line expanding.

Trade Promotions and Their Consequences

Abstract

Ming Jin (The University of Utah), Glen Schmidt (University of Utah), Nicole DeHoratius

Using data from a multi-echelon pharmaceutical supply chain, we study the dynamics between pricing, orders, and inventory at each tier. For example, we study how distributors respond to trade promotions (price discounts by the manufacturer). We quantify the financial impact of trade deals and evaluate their effectiveness.

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Monday, Nov 23rd, 2015, 10:30 a.m.-12:00 p.m. | Madrona

RESEARCH-DATA ANALYTICS: DEA applications in data analysis

Chair: Kevin Scheibe (Iowa State University)

A Comparative Study of College Athletic Program Efficiencies: A Data Envelopment Analytic Approach.

Abstract

Parker Poliakoff (Ohio University), Faizul Huq (Ohio University)

This paper presents a comparative Study of College Athletic Program efficiencies, using Data Envelopment Analysis (DEA). The study is conducted using data from 12 large college athletic departments. The results help identify best practices and provide a framework for Benchmarking to improve performance and efficiencies.

A Quasi-Robust-Optimization Approach to Big Data Regression

Abstract

Kevin Scheibe (Iowa State University), Cliff Ragsdale (Virginia Tech), Jennifer Blackhurst (University of Iowa)

Traditionally, overfitting of regression models is mitigated by careful screening and choice of independent variables. This screening process can be laborious and error-prone when faced with extremely large datasets. We consider a quasi-robust-optimization approach to regression as an alternate guard against overfitting applicable to L1 and L2 norm objectives.

Measuring the Relative Performance of Major League Baseball Teams in the 2014 Season

Abstract

Samantha Carbone, C. Christopher Lee (Central Connecticut State University), Carlo Smith (Central Washington University), Seong-Jong Joo (Central Washington University-Des Moines)

Major League Baseball (MLB) is amongst America's most beloved sports by fans nationwide. We measure the efficiency of MLB teams using data envelopment analysis. Team location has a direct impact on the efficiency of a MLB team, whereas being a playoff team has no significant impact on the efficiency.

Efficiency and Productive Slacks in Urban Transportation: A Two-Stage SDEA-Beta Regression Approach

Abstract

Lucilene Pedro, Peter Wanke

This paper focuses on efficiency and productive slacks issues in urban transportation. The SDEA is used first in a two-stage approach. Then, in the second stage, SDEA efficiency scores are analyzed under Beta Regression to assess the impact of different contextual variables on performance.

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Monday, Nov 23rd, 2015, 10:30 a.m.-12:00 p.m. | Leschi

RESEARCH-DECISION MODELS LOGISTICS: Performance measurement models in logistics

Chair: Heidi Celebi (University of Maryland)

Performance model for transportation procurement e-marketplaces

Abstract

Stephane Collignon (Virginia Tech), Deborah Cook (Virginia Tech), Tabitha James (Virginia Tech)

Based on adoption, use and performance of e-marketplaces literature, we performed a content analysis on more than 200 transportation procurement websites. The study results in a performance model for transportation e-marketplaces based on the features of the artifacts and the population targeted.

An Empirical Examination of the Effect of Exploration and Exploitation on Logistics Performance

Abstract

Ling Li (Old Dominion University), Weiyong Zhang (Old Dominion University), Honggeng Zhou

We argue that organizational learning strategies (exploration, and exploitation) leads to enhanced logistics capabilities (differentiation, delivery and fulfillment, and customer service), which subsequently contributes to logistics performance (business, and quality). Our proposed structural equation model received strong empirical support, contributing to the logistics literature and providing practical guidance to managers.

Measuring Levels of Supply Chain Synchronization: A Supply Chain Performance Metric

Abstract

Matthew Jenkins

Adequate levels of supply chain synchronization facilitate consistent and repeated flow of goods, services, and information within and across firms. This paper proposes a unique metric and provides examples regarding how it can be employed to measure system synchronization at the strategic, tactical, and operational levels.

Stockout based substitution and its impact on the supply chain

Abstract

Heidi Celebi (University of Maryland), Philip T. Evers (University of Maryland)

A Fill Rate Heuristic models two products at equal target service levels and is compared to a discrete-agent simulation with randomly sequenced incoming customers who vary willingness to substitute (WS). The heuristic reasonably serves as a lower bound for performance for either a retailer or brand owner.

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Monday, Nov 23rd, 2015, 10:30 a.m.-12:00 p.m. | Willow A

RESEARCH-DECISION MODELS: Pricing Strategy

Chair: Yuwen Chen (University of Rhode Island)

Positioning decision for hedonic and utilitarian products

Abstract

Yuwen Chen (University of Rhode Island), Ruby Dholakia, John Ni (University of Rhode Island)

We construct a utility model to investigate product positioning and pricing issues for a firm facing a market in which consumers have various valuations toward hedonic and utilitarian benefits. Our model finds several optimal strategies when hedonic and utilitarian benefits have various degrees of interaction.

Pricing under Zoning Policy in Transportation

Abstract

Farshid Azadian (Embry-Riddle University), Alper Murat (Wayne State Department), Ratna Babu Chinnam (Wayne State University)

For practical purposes, often for-hire carriers segregate the serviceable area into zones and provide zone-to-zone rates instead of point-to-point rates. Under this approach, a proper determination of the zones and rates is essential for overall profitability. In this research, we investigate the zoning and pricing problem under a value-based pricing.

Customer returns strategy for a manufacturer with a dual-channel

Abstract

Jing Chen (Dalhousie University), Bintong Chen (University of Delaware)

A manufacturer sells a product through a retailer and its direct channel. Customers can either return products to the manufacturer directly or via the retailer. Optimal customer returns strategies are investigated and conditions under which the manufacturer and the retailer benefit from the return strategies are discussed.

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Monday, Nov 23rd, 2015, 10:30 a.m.-12:00 p.m. | Ballard

RESEARCH-EMERGING INFORMATION TECHNOLOGY: Emerging trends in electronic and mobile commerce

Chair: Xiaoyun He (Auburn University at Montgomery)

A Study of Trends and Research in Mobile Apps: Demand, Supply, and Value Creation

Full Paper

Xiaoyun He (Auburn University at Montgomery), Forrest W. Holifield (Auburn University at Montgomery), David Ang (Auburn University at Montgomery)

In this study, we examine the recent growth and trends in mobile apps and provide a state-of-the-art review of the burgeoning research on the demand and supply as well as value creation of the emerging app markets. We also identify research gaps and suggest future research agenda.

How Espoused Cultural Values Affect Smartphone Users in China?

Full Paper

June Lu (University of Houston-Victoria), June Wei (University of West Florida), Chun-Sheng Yu

This study examines m-commerce continuance and moderation effects of espoused cultural values. Model testing using 356 responses from mobile payment users in China reveals that both privacy protection and social influence beliefs drive Android user continuous intentions direct and indirect. Masculinity/femininity moderates the effect of social influence over continuous intentions.

Is 35 Million a Crowd? Exploring Canadian Crowdfunding on Kickstarter

Full Paper

Jordyn Hrenyk (University of Victoria), Rebecca Grant (Peter B. Gustavson School of Business, University of Victoria)

The Canadian Kickstarter marketplace, opened in 2014, is an unexplored crowdfunding environment. Our research examines whether success factors identified in the U. S. market are predictive of success in Canada. We present and analyze two successful and two unsuccessful Canadian campaigns, concluding with suggestions for theory development and future research.

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Monday, Nov 23rd, 2015, 10:30 a.m.-12:00 p.m. | Virginia

RESEARCH-GLOBAL SUPPLY CHAIN: Supply Chain Risk and Market Performance

Chair: Jiangxia Liu

A Taxonomy for Managing Commodity Price Risk

Abstract

Barbara Gaudenzi (University of Verona), George Zsidisin (Virginia Commonwealth University), Janet Hartley (Bowling Green State University), Lutz Kaufmann (WHU)

Commodity price volatility exposes most organizations to some degree of risk. Based on a review of the literature and in-depth interviews in 12 companies in the US, Germany, and Italy, we develop a taxonomy of the characteristics that influence the strategies for managing commodity price risk along the supply chain.

Stock market impact from supply chain disruption: A comparison between Japan and the US

Abstract

Jiangxia Liu, Sanjay Kumar (Valparaiso University), Sourish Sarkar (Penn State Erie)

Supply chain disruption are value relevant events that have a negative effect on stockholder wealth. Negative impact from disruptions span across industries. However, most of the research is focused on the US based companies. We study and compare supply chain disruptions in Japanese companies with that US companies.

The Direct and Indirect Impacts of Operational Flexibility via Inventory Performance on Firm's Market and Financial Performances

Abstract

Woohyun Cho (University of New Orleans), Jian-yu (Fisher) Ke (California State University, Dominguez Hills), Chaodong Han (Towson University)

This study shows that multinational operating flexibility clearly has a negative impact on firm's short-term financial performance. In the long term, operating flexibility influences firm's performance through different paths depending on economic situations while the combined impact is consistently positive on market performance.

"Broken Window" as a Metaphor for the Signal of Supply Chain Security

Abstract

Liyuan Wang (EBS Universität für Wirtschaft und Recht), Yi-Su Chen (University of Michigan-Dearborn), Kevin Linderman (University of Minnesota)

We develop a theory of supply chain security using a metaphorical transfer. The "broken window" serves as a metaphor to theorize about supply chain security phenomenon. This metaphor has also been used in the criminology literature. The metaphorical transfer helps develop a theory of supply chain security.

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Monday, Nov 23rd, 2015, 10:30 a.m.-12:00 p.m. | Redwood A

RESEARCH-HEALTHCARE: Factors Contributing for Health Knowledge Build-up

Chair: Vivian West (Duke University)

A Framework for Learning Curve Applications in Personalized Services

Abstract

ram Rachamadugu, Aber Elsaleiby (The University of Toledo)

Operations Management (OM) literature is sparse on implementing the learning curve theory in personalized services such as surgery. We address the important differences in its application between mass and personalized services, and develop a framework for use in personalized services. We will illustrate these concepts in the context of surgery.

An Empirical Analysis to Identify Unique Characteristics of Best in Class Not-for-Profit Hospitals

Abstract

Jomon Aliyas Paul (Kennesaw State University), Leo MacDonald, Benedikt Quosigk

We empirically evaluate key characteristics unique to Not-for-Profit hospitals that have a significant impact on both their financial performance and quality of care. These include measures such as inpatient utilization, length-of-stay, operating margins, program ratios, etc., with our findings providing valuable insights to administrators.

An Evaluation of Machine Learning Methods and Visualization of Results to Characterize Large Healthcare Document Collections

Full Paper

Vivian West (Duke University), David West (East Carolina University), David Borland (The University of North Carolina at Chapel Hill), William Ed Hammond (Duke University)

This research is an exploratory analysis of the abilities of machine learning algorithms (namely text mining and interactive visualization) to analyze large collections of health care research documents. Preliminary results from the analysis of 391 documents describing research in health care information visualization are presented.

Design for Six Sigma and Learning in Behavioral Healthcare

Abstract

Jamison Kovach (University of Houston), Lawrence Fredendall (Clemson University), Adrian Choo (Georgia State University)

This research examined how individuals and teams learn through Design for Six Sigma projects in behavioral healthcare. As teams worked to design/redesign organizational processes, data were collected through weekly questionnaires to identify patterns of learning over time. Patterns of events corresponding to the patterns of learning identified will be presented.

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Monday, Nov 23rd, 2015, 10:30 a.m.-12:00 p.m. | Jefferson A

RESEARCH-INFORMATION SECURITY: Information Security in Organizations

Chair: Hongwei Du

Apply Total Quality Management (TQM) in Organizational Information Security Management

Full Paper

Liqiang Chen (University of Wisconsin - Eau Claire), Xiaofeng Chen (Western Washington University)

This study proposes to apply Total Quality Management (TQM) practices in managing information security. We are focused on the human behavioral practices or soft practices in TQM and attempt to examine how TQM soft practices influence the performance of information security management.

BOYD Security Challenge: Users Awareness and Training

Abstract

Anne-Marie Guidy-Oulai (Western Michigan University)

The latest trend of bring-your-own-device (BYOD) which allows workers to bring their devices such as smart phones, tablets, and other mobile devices, presents serious security challenges for organizations today. The purpose of this research is to provide an overview of the organizational challenges within the hyper-connected BOYD environment

Attributes of Security Breach Notification Laws in the United States

Abstract

David Green (Governors State University), Nancy Martin (Southern Illinois University)

We present research that identifies common attributes of US state data privacy and breach notification laws to determine common requirements that may be useful for inclusion in federal breach notification legislation.

Integrating Real Life Cases Into A Security System: Seven Checklists For Managers

Abstract

Hossein Bidgoli (California State University, Bakersfield)

This paper examines seven recent real life cases related to computer and network security breaches, vulnerabilities, and successful security enforcements and then propose seven checklists for managers to consider when designing a security system. The seven checklists integrate mistakes made, lessons learned, and how to avoid them in the future.

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Monday, Nov 23rd, 2015, 10:30 a.m.-12:00 p.m. | Capitol Hill

RESEARCH-INFORMATION SYSTEM DESIGN: Issues in Information Technology and the Enterprise

Chair: Robert Cervený (Florida Atlantic University)

A Business Model for the Strategy of Implementing Cloud Computing

Abstract

H. Michael Chung (California State University, Long Beach)

This study identifies the value propositions based on technological infrastructure, operation, service, total cost of ownership, and outsourcing, and integrates into measurable decision parameters. It explores how an organization's objectives are supported and how the return on investment of a utility-based model of an information system is derived.

Implementing Business Continuity Software: Determinants of Organizational Success

Abstract

Julie Kendall (Rutgers University), Ken Kendall (Rutgers University), Kin Lee

Organizations implementing Business Continuity Management (BCM) software to either start or enhance their BCM programs often mistakenly look for a one size fits all solution. In this case study we examine the determinants of success for a business continuity program by examining the context created by proper procedures and workflows.

The Complementary role of IS capability in a supply chain

Abstract

Sufian Grunfleh (Eastern Michigan University), Monideepa Tarafdar (Lancaster University Management School)

This study contributes to the literature of SCM and IS by empirically exploring the mediating role of IS capability and the moderating role of supply chain practices on the relationship between supply chain strategy and performance

The Interaction of Team Dynamism and Collective Creativity: an ERP Simulation Game Context

Abstract

Hongyan Liang (Kent State University), Mehdi Darban (Kent State University)

We investigate the mediating role of collective empathy, which consists of cognitive and affective empathy, arguing the positive impact of group affect on cognitive flexibility of group, which consequently results in higher levels of creativity.

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Monday, Nov 23rd, 2015, 10:30 a.m.-12:00 p.m. | Jefferson B

RESEARCH-NEW PRODUCT: Service Development

Chair: Ashkan Negahban (Auburn University)

Collaborations in New Service Development and Deployment

Abstract

Qiang Wang (China Europe International Business School), XIANDE ZHAO (South China University of Technology)

This study investigates value co-creation activities among focal service providers, business partners, and customers in three stages of the innovation process (idea generation, development, and deployment). Data were collected from 200 service innovation projects. Results indicate that customer and partner collaboration have differential effects on performance indicators in three stages.

The Effect of Open Innovation on Innovation Performance in Service Industry

Abstract

Jaeho Shin (Seoul National University), Hongsuk Yang (Seoul National University)

We examine the effect of open innovation on innovation performance in service industry, adopting two dimensions of open innovation activity: external search breadth and external search depth. We analyze Korean Innovation Survey (KIS) data using regression analysis, and derive open innovation strategies for service firms.

Servitization and Product Innovation

Abstract

Sina Golara (Arizona State University), Kevin Dooley (Arizona State University)

Manufacturers are increasingly offering services along with their products to differentiate themselves from the competition. This project investigates the effect of offering services by a manufacturer on its product innovation. We analyze a panel of 2484 public manufacturing firms and find a positive association between offering services and product innovation.

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Monday, Nov 23rd, 2015, 10:30 a.m.-12:00 p.m. | Juniper

RESEARCH-OPERATIONS STRATEGY: Operations Strategy

Chair: Ajaya Kumar Swain (St. Mary's University)

Theory-Based Research in OM: Longitudinal Analysis and Future Research Directions

Abstract

Sanjay Ahire (University of South Carolina), Manoj Malhotra (University of South Carolina), Erin Cassandra McKie

Operations Management researchers have expanded research approaches from classic mathematical modeling approaches to include holistic theory-driven empirical research in the last two decades. We review trends in theory development and testing research in major OM journals over the span of the last 15 years and provide recommendations for future research directions.

Strategy and Outsourcing decisions

Abstract

Olajumoke Awe (University of Texas at Arlington)

Increasingly, firms are outsourcing more activities in their value chain. The results on the impact of outsourcing on firm performance have been inconclusive. Using the Miles and Snow strategic typology and the value chain activities of the firm, we explore outsourcing decisions of firms

Aligning Governance Mechanisms with Task Characteristics to Improve Service Capabilities—An Empirical Study of Professional Service Outsourcing in an Emerging Market

Full Paper

Zuoming Liu (University of Miami), Vaidy JAYARAMAN, Yadong Luo Luo

This study builds a conceptual model regarding professional service outsourcing and examines the impacts of task characteristics and their alignments with proper inter-firm governance mechanisms in impacting on the service provider's service capabilities.

Industrial vending solutions: usage, relationships, and success

Abstract

John Francis Kros (East Carolina University), Mauro Falasca (East Carolina University), Jon Kirchoff (East Carolina University)

A survey was conducted to investigate the current state of industrial vending machines (IVM), a form of Vendor Managed Inventories (VMI). IVM are employed in medical and industrial settings dispensing consumables (e.g. examination gloves) and controlled substances, such as narcotics and aid in inventory control.

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Monday, Nov 23rd, 2015, 10:30 a.m.-12:00 p.m. | Issaquah A

RESEARCH-STRATEGIC MANAGEMENT: Understanding Organizational Learning and Capabilities

Chair: Phyu Phyu Aung Myint (University of Texas - Pan American)

An Empirical Study of Intellectual Capital on Branding Of Management Institution, W.R.T. Few Institutions in Nagpur Zone, India

Abstract

Ek Nath Balu Khedkar (Savitibai Phule Pune University), Shyam Banshidhar Shukla (Central Institute of Business Management Research & Development)

The main objective of the study is to know the history and relevance of branding in academic Institutions in general and "B" schools in specifically and to find the impact of an intellectual capital of faculties on brand building of an Institution.

Examining Performance Implications of Servitization: A Business Model Perspective

Abstract

Phyu Phyu Aung Myint (University of Texas - Pan American)

This research examines the effect of servitization on operational performance and financial performance of firms with a particular focus on customer value proposition and firms' capabilities components of a product-service integrated business model. This research offers three propositions to help advance our understanding of performance implications of servitization.

The Role Organizational Learning Processes in Organizational Exploration and Exploitation

Abstract

Chandan Acharya (University of North Texas), Divesh Ojha (University of North Texas), Pankaj Patel

This paper presents the association between organizational learning and exploration and exploitation practices and argues that such practices improve organizational performance. Using the organizational learning literature, we detail how organizational learning processes help improve exploration and exploitation practices.

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Monday, Nov 23rd, 2015, 10:30 a.m.-12:00 p.m. | University

RESEARCH-SUPPLY CHAIN DESIGN: Supply Chain Collaboration

Chair: Hugo DeCampos (Wayne State University)

Interoperability in the supply chain: A conceptual framework of a firm's latent capacity to integrate with supply chain partners

Abstract

Hugo DeCampos (Wayne State University), Steven Melnyk (Michigan State University), John Ettlie (Rochester Institute of Technology)

While extant research on supply chain integration focuses on realized levels of integration, our research explores the latent capability that firms have to integrate with other companies (supply chain interoperability). We argue that such capability includes three dimensions: resource interoperability, process interoperability and behavioral interoperability.

Collaborating in Secured IT Enabled Supply Chains

Full Paper

Aber Elsaleiby (The University of Toledo), Anand Kunnathur

In this research we study how information security orientation affect the collaborative supply chain relationship.

Overcome the challenge to Supply chain collaboration

Abstract

Chung-Yean Chiang (Georgia Southern University), Zhengyu Liu (Xiamen University)

This study intends to test major capabilities or practices which help a company to obtain benefit from a unfavorable supply chain collaboration. Using data collected in China, We found that absorptive capacity is critical to obtain collaboration benefit.

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Monday, Nov 23rd, 2015, 10:30 a.m.-12:00 p.m. | Seneca

RESEARCH-SUPPLY CHAIN NETWORKS: Supply Chain Risk Management

Chair: Frank Wiengarten (ESADE)

How supply networks change after external shocks: the case of automotive and aerospace and defense.

Abstract

Yan Cimon (Universite Laval)

The business press talks about a manufacturing rebirth in North America, especially in automotive and aerospace and defense. The supply networks underpinning these industries are changing. This paper highlights such shifts in supply network configurations.

Risk and Cost Tradeoffs in Managing Supply Chain Disruptions: The Role of Alternative Mitigation Strategies

Abstract

Richard Kraude (Michigan State University), Sriram Narayanan (Michigan State University), Srinivas Talluri (Michigan State University)

We develop a measurement tool for several risk mitigation strategies and test their effectiveness in reducing the probability and impact of various supply chain disruptions. The tradeoff between risk reduction and cost of implementing the strategies is tested empirically.

Supply Chain Planning under Possible Job Action

Abstract

Ömer S. Benli (Long Beach State University), Phil Ramsdale (Transport Solutions LLC)

Decision-makers have various courses of action in the face of a possible dockworker work stoppage or slow-down, or a lockout by terminal operations in the West Coast seaports of the United States. Various modeling approaches will be proposed and computational viability of these models will be discussed.

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Monday, Nov 23rd, 2015, 10:30 a.m.-12:00 p.m. | Boren

RESEARCH-SUPPLY CHAIN RESILIENCE: Supply Chain Risk

Chair: Scott Swenseth (University of Nebraska-Lincoln)

Towards a Method for Calculating Detectability Score for a Supply Chain Risk: A Fuzzy TOPSIS and Fuzzy AHP Approach

Full Paper

Sayan Mukherjee (XLRI-Xavier School of Management), T. A. S Vijayaraghavan (Xavier School of Management (XLRI)), Rajiv Misra (Xavier School of Management (XLRI))

Probability-of-occurrence of risks and the severity are the two dimensions by which the Supply-Chain-Risks have traditionally been described. Detectability has recently been introduced as a very important third dimension. This paper is an attempt at formulating a metric to measure the detectability by using fuzzy TOPSIS and fuzzy AHP.

Risk Trade-offs for Outsourcing versus Lean, Green, Agile and Resilient Supply Chain Strategies

Abstract

Scott Swenseth (University of Nebraska-Lincoln), David Olson (University of Nebraska-Lincoln)

Advantages of alternate supply chain strategies are studied using risk comparisons. Specific levels of stock price volatility, a standard measure of firm risk, are analyzed for firms using alternate supply chain strategies focusing on events surrounding identified supply chain disruptions. Results are then compared within and across industries.

Risk Mitigation Strategies: Energy Supply Chain Perspective

Abstract

Raza Ali Rafique (University of the Punjab)

We analyze risk mitigation strategies from energy supply chain perspective to ensure uninterrupted supply that can help to design a sustainable energy SC in order to quantify economic, social and environmental impacts.

Does a market responsive strategy increase supply chain risk? Evidence from Indian Manufacturing firms

Abstract

Sreedevi R, Haritha Saranga (Indian Institute of Management Bangalore)

Due to the changing market needs of today, firms are increasingly facing higher risks in terms of supply disruptions, production and delivery delays. This study aims at understanding the antecedents of supply chain operational risk faced by firms and the conditions under which such risks can be mitigated.

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Monday, Nov 23rd, 2015, 10:30 a.m.-12:00 p.m. | Cedar A

RESEARCH-SUSTAINABILITY: Measuring and Managing Carbon Emissions

Chair: Sameer Prasad (University of Wisconsin-Whitewater)

Measuring Carbon-efficiency of Operations with Data Envelopment Analysis: Differences in Stakeholder Pressure and Carbon Management Practices

Abstract

Soo-Hyun Lee (Chonnam National University), Su-Yol Lee (Chonnam National University), Jae-Yun Kim (Jeonnam National University), Kwang-Sic Shim (Gwangju Metropolitan Rapid Transit Corporation)

This paper presents the DEA efficiencies for carbon operations and explores differences in stakeholder pressure on as well as firms' managerial response to climate change between efficient and inefficient companies. The results provide empirical evidence that stakeholder pressure and carbon management practices contribute to improvements in carbon emission reduction and performance.

Carbon Dioxide Emissions: Trends and Implications for the Logistics Industry

Abstract

Tomoaki Shimada (Kobe University), Soo-Keng Ang (National University of Singapore)

Many studies focused on CO2 emissions projections through advanced econometric models. However, a few have analyzed the issue with a qualitative approach in mind. Thus, this study seeks to complement existing literatures by providing technical and non-technical solutions to reduce CO2 emissions as a case study of freight trucking services.

Two Stage Supply Chain With Carbon Emission

Abstract

Zhi Tao (Arkansas Tech University)

Research on carbon emission management is becoming a very important part of the green supply chain landscape. This paper integrates the joint lot sizing decision between a manufacturer and a retailer in a two stage supply chain under carbon tax and carbon cap-and-trade mechanisms.

Monday, Nov 23rd, 2015, 1:30-3:00 p.m.

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Monday, Nov 23rd, 2015, 1:30-3:00 p.m. | Grand Ballroom B

CONSORTIA-STATISTICS BUSINESS SCHOOLS: Caucus/Business Meeting of the Making Statistics More Effective in Schools of Business DSI Specific Interest Group

Moderator: Robert Andrews (Virginia Commonwealth University)

Panelists: Kellie Keeling (University of Denver), John McQuaid (Pepperdine University), Linda Boardman Liu (Boston College), David Levine (Baruch College-CUNY)

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Monday, Nov 23rd, 2015, 1:30-3:00 p.m. | Issaquah A

EDUCATION-AACSB: Assessment of Learning and AACSB AQ/PQ definitions

Chair: John Davies (Victoria University of Wellington)

A Case Study Using a Web-based Teamwork Evaluation Tool for Program Learning Assessment

Abstract

Shona Morgan (North Carolina A&T State University), Alice Stewart (North Carolina A&T State University)

This case study uses a free, web-based tool, the Comprehensive Assessment of Team Member Effectiveness (CATME) as a mechanism for program level assurance of learning of teamwork and team skills. A total of 187 students participated in the CATME pilot program to better understand student behavior within teams.

AQ/PQ definition for faculty at AACSB business school: an integrated model

Abstract

Mayur Desai (Texas Southern University), Kamala Raghavan (Texas Southern University)

We present an integrated model for defining AQ/PQ requirements at AACSB Business School. The model aims to implement continuous feedback linkage between the three pillars of its strategic plan – Faculty Qualifications, Course and Program Assessments and corrective actions, and Curriculum Plans including continuous improvement as mandated by AACSB.

The Role of AOL in Curriculum Revision – A Practice of Restructuring MBA Program

Abstract

Jun He (University of Michigan-Dearborn)

We present a case of employing assurance of learning for restructuring our MBA program. We justified the need for revising the curriculum with previous assessment data, reexamined the learning objectives, and restructured the program accordingly. The revised curriculum is considered slim, distinct, pedagogically rational, and responsive to market.

Understanding the Collegiate Learning Assessment (CLA+) as a Measure of Critical Thinking

Abstract

Suzanne Smith (Presbyterian College)

The Collegiate Learning Assessment (CLA+) seeks to measure critical-thinking and written-communication skills. Using scenarios with a document library of 5-7 articles, letters, charts, maps, or other resources, students evaluate the evidence presented and make judgments about the material. This presentation will discuss the costs and benefits of the CLA+.

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Monday, Nov 23rd, 2015, 1:30-3:00 p.m. | Ravenna B

EDUCATION-TEACHING ONLINE: The relationship between instructor and students for student success

Chair: Kaye Bragg (CSU Dominguez Hills)

Course type effects on student grades and instructor evaluations

Abstract

Morgan Shepherd (University of Colorado Colorado Springs)

The purpose of this research is to look at what effect the course type has on instructor evaluations and student grades in an online MBA curriculum.

Online Learning Readiness: a Comparative Study of Students' Perceived Responsibility for Learning at Undergraduate Level

Abstract

Farshid Azadian (Embry-Riddle University), Kathryn Cunningham (Embry-Riddle Aeronautical University)

One of the key factors in students' success in online education is students' self-discipline and self-regulation. To assess online learning readiness, we investigated the students' perceived responsibility for learning at undergraduate level in different colleges. In addition, we surveyed the faculty and provide a comparative analysis of the results.

Scaling up Student Assessment: Issues and Solutions

Full Paper

Paul J. A. Van Vliet (University of Nebraska at Omaha)

Online courses permit the enrollment of large numbers of students, which forces instructors to address the problem of providing valid and reliable assessments of student performance on a large scale. This paper examines current efforts to scale up student assessment and feedback in higher education.

MOOCs: The Enduring Importance of "Teacher Presence"

Full Paper

Abbas Foroughi (University of Southern Indiana)

This paper explores the role of the teacher in MOOCs and presents highlights from MOOC implementations, research, and teachers' insights. Although some MOOC developers minimize the teacher's role, MOOC researchers, instructors, and participants support the idea that the teacher is no less important than in other learning environments.

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Monday, Nov 23rd, 2015, 1:30-3:00 p.m. | Issaquah B

EDUCATION-TECHNOLOGY: Increasing Understanding of Supply Chain Management Concepts by Incorporating The Fresh Connection Simulation Experience

Moderator: Scott Swenseth (University of Nebraska-Lincoln)

Panelists: Chuck Nemer, Bill Keough (Univeristy of Washington)

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Monday, Nov 23rd, 2015, 1:30-3:00 p.m. | Greenwood

PANEL: Meet the Editors of Non-DSI Journals

Workshop Coordinator: Daniel Guide (Penn State University)

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Monday, Nov 23rd, 2015, 1:30-3:00 p.m. | Ravenna A

RESEARCH MARKETING: Effective Pricing and Revenue Management Strategies

Chair: Cary Countryman (Brigham Young University - Hawaii)

Better Late Than Now: Delayed vs. Instantaneous Retail Price Discounts

Abstract

Monire Jalili (University of Oregon), Michael Pangburn (University of Oregon)

Retailers commonly offer a percent off a purchase and apply it either immediately or toward a future purchase.

Permitting rational, forward-looking consumers, we prove that delayed discounting can improve profitability if the market is heterogeneous.

Counteracting Strategic Purchase Deferrals: The Impact of Online Retailers' Return Policy Decisions

Abstract

Tolga Aydinliyim (Baruch College)

In an online retailing context, we study returns management decisions when consumers are discount seeking and sensitive to stock-outs. We find that allowing returns enhances profit if the retailer can salvage with a mild discount, and the ability to do so is a strategic advantage in case of competing retailers.

Try Before You Buy Pricing: Should Rental Fees Apply to Purchases?

Abstract

Monire Jalili (University of Oregon), Michael Pangburn (University of Oregon)

When a product has uncertain value or is used repeatedly, a customer may rent that product before making a purchase decision. Given consumer utility uncertainty, we analyze the optimal price and discounting policy when the firm can choose to apply some of the rental price paid toward conversion to purchase.

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Monday, Nov 23rd, 2015, 1:30-3:00 p.m. | Everett

RESEARCH-ACCOUNTING: Tax Topics and Tax Education

Chair: Seleshi Sisaye (Duquesne University)

A Student Self-Managed Project for Learning Tax Topics Investigated at Five Universities

Full Paper

Judith Sage (Boise State University), Lloyd G. Sage (Sage & Sage)

A self-managed learning Project was investigated at five universities that required students to participate in their learning process by organizing relatively complex tax topics. This Project appears to be effective in learning these topics. A survey indicated the Project was beneficial in understanding the topics and preparing for a Quiz.

Impact of Tax Inversion

Abstract

Kirsten Rosacker (Minnesota State University-Mankato), Robert Rosacker (University of South Dakota)

Corporations are increasingly repositioning their headquarters to low-tax countries as a means to avoiding high corporate tax rates in the United States. This paper reviews the practitioner and academic literature surrounding this evolving tax avoidance technique as means to focus empirical attention on both the tax avoidance and re-investment perspectives.

High Deductible Health Plans and Health Savings Accounts: Potential Problems for Taxpayers, Opportunities for Policy Makers

Full Paper

Sheldon Smith (Utah Valley University)

This paper discusses a potential problem taxpayers may face when using a health savings account with a high deductible health plan if they have adult children who are not tax dependents. Implications are provided for both taxpayers and policy makers.

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Monday, Nov 23rd, 2015, 1:30-3:00 p.m. | Diamond B

RESEARCH-CONSUMER BEHAVIOR: New Models and Methods in Consumer Research

Chair: Matthew Lanham (Virginia Tech)

Consumer Demand Parameter Estimation Procedures for Assortment Planning

Abstract

Matthew Lanham (Virginia Tech), Ralph D. Badinelli (Virginia Tech)

Estimating a consumer's propensity to purchase a product as well as their substitution behavior are critical parameters to a retailer's assortment decision. We investigate the methodologies used to understand consumer demand, substitution behavior, and create a novel approach that is being tested at a national retailer.

Forecasting the Demand for New products: An Agent-Based Simulation Model

Abstract

Ashkan Negahban (Auburn University), Jeffrey Sott Smith (Auburn University)

We propose an agent-based diffusion model that implements a new consumer decision-making process based on fuzzy reasoning. The model is tested empirically for several products and the results show that it is capable of forecasting the demand curve as well as timing and magnitude of peak demand fairly accurately.

Time Series Analysis of Consumer Conversion Behavior for an Online Retail Store

Abstract

Ke Gong, Yi Peng, Honghui Deng (University of Nevada, Las Vegas), Reza Torkzadeh (University of Nevada, Las Vegas)

We propose a new model to analyze the conversion rate through time series and predict consumer conversion behavior. We applied the model to 700 days data collected from a Taobao.com's online retail store, the analysis results approve that our model enable managers to analyze and predict online consumer purchasing behavior.

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Monday, Nov 23rd, 2015, 1:30-3:00 p.m. | Madrona

RESEARCH-DATA ANALYTICS: Forecasting applications in analytics

Chair: Matthew Lindsey (Stephen F. Austin State University)

Automated Clinical and Healthcare Time Series Forecasting through Neighborhood Search Heuristics

Invited Paper

Murphy Choy

Automated forecasting is highly important to business operations that handle large numbers of univariate time series. In this paper, the authors proposed a new approach that uses heuristics to identify the initial starting point for a neighborhood search to obtain the most appropriate model.

Data Analysis Of The Air Cargo Business

Abstract

KWON GI MUN (Rutgers University), Yao Zhao

In this model, we demonstrate an integrated forecasting approach to coordinate ground and air transportation for a Korean air cargo company. Therefore, we present expected benefits of this integrated approach compared to current practice.

Exploring a Confidence Interval Approach for Slow-moving Inventory Forecasts

Full Paper

Matthew Lindsey (Stephen F. Austin State University), Robert Pavur (University of North Texas)

The effectiveness of constructing confidence intervals on Croston's estimate of population mean demand per period for slow-moving inventory is explored. A simulation reveals that accurate confidence intervals can be constructed for stationary intermittent data. However, changing from fast to slow-moving and back adversely affects the robustness of these confidence intervals.

Examining Prediction of Loan Default in an Online Lending Marketplace: A Comparison of Data Analytic Techniques

Abstract

Chen Ye, Sanjeev Jha (Valparaiso University)

Online lending marketplaces connect individual lenders to bid for providing loans to borrowers. These lending platforms act as financial intermediaries and screen borrowers to reduce information asymmetry. In this study we are examining prediction of loan default with various data analytic techniques using a dataset from an online lending marketplace.

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Monday, Nov 23rd, 2015, 1:30-3:00 p.m. | Diamond A

RESEARCH-DECISION MODELS FINANCE: Hedging and Stock-Price Prediction

Chair: Gan Jin (Sun Yat-sen University)

Training and Forecasting the S&P 500 on an Annual Horizon: 2004 to 2015

Full Paper

Mary Malliaris (Loyola University Chicago)

This paper uses several variables that have demonstrated relationships to the S&P 500 and studies their influence over time. We build models for each of nine years and test them on the following year. The models explanatory power and variable selection fluctuates from year to year.

A Hybrid Model For Stock Prediction

Full Paper

Si Yan, Yanliang Qi

In this paper, we focus on the topic stock prediction in e-finance area. We proposed a hybrid model to predict stock price change.

Multivariate Nonparametric versus Time Series Approaches for Time-Varying Risk Hedging

Full Paper

An-Sing Chen (National Chung Cheng University), Mark Leung, Ching-Yun Chou (National Chung Cheng University)

This paper proposes a multivariate nonparametric approach for hedging commodity price risk and compares its effectiveness with time series GARCH approach and the un-hedged strategy. Our study also examines impact of incorporating the coefficient of absolute risk aversion and hedger's transaction costs to the nonparametric and time series approaches.

About the scale-free forecast accuracy metric MAD/MEAM: results from simple moving average methods on i.i.d. normal time series

Abstract

Peter Ren (University of Houston-Downtown), Luh-Yu Ren (University of Houston-Victoria)

The scale-free forecast accuracy metric MAD/MEAN works as well as MAD when the coefficient of variation is smaller than 2 but cannot distinguish the differences among different moving average methods with different moving periods when the coefficient of variation is larger than 4.

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Monday, Nov 23rd, 2015, 1:30-3:00 p.m. | Leschi

RESEARCH-DECISION MODELS LOGISTICS: Practicality vs tractability in using decision models for logistics problems

Moderator: Hakan Yildiz (Michigan State University)

Panelists: Yoshinori Suzuki (Iowa State University), Michael Haughton (Wilfrid Laurier University), Timothy Lowe

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Monday, Nov 23rd, 2015, 1:30-3:00 p.m. | Willow A

RESEARCH-DECISION MODELS: Resource Allocation Models

Chair: Jomon Aliyas Paul (Kennesaw State University)

Determining the Size, Strategic Mix and Optimal Usage of Military and Civilian Employees

Abstract

Jomon Aliyas Paul (Kennesaw State University), Leo MacDonald

Workforce planning can be challenging in military organizations given the role played by civilian personnel. To address this, we develop models to determine the optimal workforce size and mix, first estimating demand requirements, while considering critical factors such as attrition, budget, skill levels, hierarchical structure, etc.

Disaster Relief Operations Scheduling with Multiple Resources

Abstract

Shengbin Wang (North Carolina A&T State University)

We study an operations scheduling problem encountered during providing relief, support and assistance in affected areas after a disaster occurs. Each operation requires multiple resources. We consider the operations costs and a penalty cost if missing the deadline. An approximation solution to minimize the total cost is proposed and analyzed.

Improving Community Resilience of Small Medium Size Businesses by Allocating Optimal Amount of Resources

Abstract

Saba Pourreza (University of North Texas), Brian Sauser

The goal of the study is to develop an optimization model to enhance the resilience for disrupted small medium size businesses. Job creation, service and goods production are two decision factors that have been defined to maximize the community impact of SMBs.

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Monday, Nov 23rd, 2015, 1:30-3:00 p.m. | Ballard

RESEARCH-EMERGING INFORMATION TECHNOLOGY: Managing and leveraging big and unstructured data

Chair: Rohit Rampal (SUNY Plattsburgh)

A Qualitative Study of Emerging Benefits Using Data Management and Analytics Tools

Abstract

Zsolt Ugray (USU), David Paper, Jeffrey Johnson

We report on the findings of a qualitative study where a company's management gave broad support to a small technical team to experiment with cutting edge data management and analytical tools.

Pros and Cons of Using Big Data

Abstract

Marwah Halwani (University of North Texas), Dan Peak (University of North Texas), Victor Prybutok (University of North Texas)

Big Data is a ubiquitous term in industry with promise for addressing business problems. However, current research shows that 55% of Big Data projects are not completed. This research reviews the published literature to provide the pros and cons of using Big Data to address business questions.

PG&E Increases Customer satisfaction by Big Data

Abstract

Hongwei Du

PG&E created three programs using big data to increase data sharing with its customers to reduce energy use in Northern California. We look into these three programs Green Button, My Energy, and C3 Energy to get a better understanding of how they work and how they improve energy efficiency.

The Evolution of Structured and Un-structured Data: What's the Impact on Supply Chain Management?

Abstract

Jack B. Crumbly (Tuskegee University), Lora Cecere (Temple University), Lemuria Carter (North Carolina A&T State University)

Big Data and analytics have the potential to transform supply processes. However, few companies know how to harness this innovation successfully. In this study, we utilize New Service Development Theory to identify challenges and opportunities associated with Big Data and analytics. Implications for research and practice are discussed.

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Monday, Nov 23rd, 2015, 1:30-3:00 p.m. | Ravenna C

RESEARCH-ETHICS: Cultural and Environmental Impacts on Organizational Ethics

Chair: Grant Miles (University of Maine)

Diversity statements and senior management positions: Walking the talk or lip service?

Abstract

Salvador Barragan (Thompson Rivers University), Nancy Southin (Thompson Rivers University), Lesia Romaniuk

This study explores the link between diversity statements and the presence of women in positions on top management teams and on boards of directors in the e-retail environment. We use diversity statements from corporate websites as a proxy for a company's commitment to diversity.

Mediating Role of Organisational Culture on Adoption of Corporate Social Responsibility

Abstract

Bedanand Upadhaya (Macquarie University), Rahat Munir (Macquarie University), Yvette Blount (Macquarie University), Sophia Su (Macquarie University)

The study examines the mediating role of organisational culture in the association between business strategy and CSR adoption. Using survey data collected from 132 companies, the results could not confirm that the adoption of CSR is directly associated with business strategy, while the association is significantly mediated by organisational culture.

Role of Corporate Disclosure Practices on Firms Performance

Full Paper

Sidhartha S. Padhi (IIM Kozhikode), Vijay Aggarwal (MDI Gurgaon)

The objective of this study is to offer inclusive and conversant evidence of present corporate disclosure practices (CDPs) and perceived effectiveness of CDPs on firms' performance and market functioning of Indian manufacturing firms; by analyzing the perceptions of respondents about extent of CDPs and its impact on firms' performance.

The Effect of Corporate Social Responsibility Strengths and Concerns on Financial Performance: MNEs vs. U.S. Domestic Firms

Full Paper

Albi Alikaj (Texas A&M International University), Cau Ngoc Nguyen (Texas A&M International University), Efrain Medina (Texas A&M International University)

We distinguish between CSR concerns and strengths to explore their relationship with firm financial performance. Additionally, we test whether the relationship between CSR and firm performance is moderated by the type of the firm in terms of being multinational or domestic. 562 firms are analyzed using a path analysis.

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Monday, Nov 23rd, 2015, 1:30-3:00 p.m. | Virginia

RESEARCH-GLOBAL SUPPLY CHAIN: Sustainable Logistics/Transportation

Chair: Wendy Tate (University of Tennessee-Knoxville)

Sustainable Logistics/Transportation

Invited Paper

Lisa Ellram (Miami University), Carlos Mena, Paul Larson

Panel of experts will discuss current research in sustainable logistics.

Panelists: Jason Miller (The Ohio State University), Lisa Ellram (Miami University)

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Monday, Nov 23rd, 2015, 1:30-3:00 p.m. | Redwood A

RESEARCH-HEALTHCARE: Healthcare Supply Chain and Operations

Chair: Matthew Castel (Michigan State University)

An Integrated Research Framework for Identifying Factors to Affect the Use of Health Information Exchange

Full Paper

Ming-Ling Sher, Hsin-Ginn Hwang (National Chiao Tung University), Hui-Ting Lin (National Chiao Tung University)

This study proposes an integrated research framework as a basis for further investigation of factors affecting the use of Health Information Exchange (HIE).

Hospital Supply Chain Management and Design: An International Study

Abstract

Simon Veronneau (Naval Postgraduate School), Sylvain Landry (HEC Montreal), Jacques Roy (HEC Montreal)

This paper reports on part of the findings of an ongoing multi-year international study on hospital design and management. Best in-class and promising practices, technologies, and future directions for efficient design and hospital management are presented. Implications for internal service supply chain are discussed, and contrasted to other industries.

Hospital focus: the effects of focus mismatch on hospital outcomes*Abstract*

Matthew Castel (Michigan State University), Shawnee Vickery (Michigan State University), Sriram Narayanan (Michigan State University)

Hospital focus stresses the necessity for resources to align with the patient segment needs. However, not all patient needs are aligned with the hospital service profile. The question we center upon is: What happens to hospital outcome measures when the fit between hospital, patient, and condition do not align?

Strategic Healthcare Supply Chain: A Large Scale Survey*Abstract*

Xiaosong Peng (University of Houston), Arunachalam Narayanan (University of Houston)

This study reports results from a large scale survey of hospital supply chains, focusing on key topics including incentive alignment, leadership, information systems, data analytics, group purchasing organization (GPO) relationships, collaboration, and outsourcing.

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Monday, Nov 23rd, 2015, 1:30-3:00 p.m. | Aspen

RESEARCH-HEALTHCARE: Leveraging Technology for Societal Health Issues

Chair: Ashley Metcalf (Ohio University)

A descriptive analysis of underserved patients*Abstract*

Sonya Hsiu-Yueh Hsu (University of Louisiana at Lafayette), Janis Guilbeau (UL Lafayette), Christine Alexander (University of Central Oklahoma)

Diagnoses are more than prescriptions! This research project is aimed to describe clinical characteristics, assessment and treatment of patients in various diseases. Based on prescriptions, diagnosis notes, ICD, CPT codes and descriptions, this project not only presents the medical diagnoses but social and psychological factors related to patients.

Quality Practices and Employee Empowerment in U.S. Hospitals: A Socio-Technical Perspective*Abstract*

Ashley Metcalf (Ohio University), Marco Habermann (Ohio University), Timothy Fry (University of South Carolina)

Increasing healthcare costs, increasing demand for care and need for improved quality has driven recent research in healthcare process improvement and patient outcomes. This study uses survey data through a socio-technical lens to examine the impact of Quality Practices and Employee Empowerment on healthcare outcomes.

Testing the Moderation Effects of Governance Mechanisms on Strategy, Structure/Processes and Performance in Hospitals*Full Paper*

David D Dobrzykowski (Rutgers, The State University of New Jersey), Kathleen L. McFadden (Northern Illinois University), Mark Vonderembse (University of Toledo)

We conceptualize governance in healthcare delivery as a supply chain problem and investigate relationships among strategy, structure/processes and performance. Findings from 302 acute care USA hospitals reveal links among lean strategy, integration, efficiency and patient satisfaction. The moderation effects of trust and physician employment are revealed as governance mechanisms.

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Monday, Nov 23rd, 2015, 1:30-3:00 p.m. | Jefferson A

RESEARCH-INFORMATION SECURITY: Information Security & Smart Devices

Chair: Faisal Badi Al-khateeb

Rethinking Security in the World of Internet of Things*Full Paper*

Derrick Huang (Florida Atlantic University), Ravi Behara (Florida Atlantic University), Jahyun Goo (Florida Atlantic University)

With the increasing popularity of Internet of Things, the security and privacy issues are of significant concern to users and

vendors alike. In this study, we resort to existing literature in network topology, outsourcing, and supply chain management to address the managerial and inter-organizational issues of IoT security.

Location-based mobile applications: A workforce under surveillance

Abstract

Mehrdad Koohikamali (University of North Texas), Dan Peak (University of North Texas), Victor Prybutok (University of North Texas)

Location-based mobile applications (LBA) has been widely accepted and used by smartphone users. Advent of workforce management LBAs to track employees' activities has raised privacy concerns. In this study we conducted a survey, identifying motivational factors of recent college graduates who grant access to employers that track their locations.

Mobile Users' Perception and Adoption of Biometric Authentication

Full Paper

Sun Gi Chun (Alabama State University), Dalsang Chung (Governors State University)

How do smartphone users protect the sensitive information being kept on the device? Usually biometric authentication is presumed to be more secure regardless of convenience and usability. In the paper, a survey was conducted to examine mobile users' perception on biometric authentication methods and their adoption.

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Monday, Nov 23rd, 2015, 1:30-3:00 p.m. | Capitol Hill

RESEARCH-INFORMATION SYSTEM DESIGN: Organizational Impacts of IS

Chair: Xuefei (Nancy) Deng (California State University, Dominguez Hills)

Cooperate to Dominate?: Empirical Analysis of Cooperation Decisions on Technological Innovation

Abstract

Ashish Kumar Jha (Indian Institute of Management), Indranil Bose (Indian Institute of Management Calcutta)

In this paper we analyze the importance of cooperation factors and partners for product and process innovation. We would also test the relationship between product and process innovation to test our hypothesis that continuous process innovation has a rub off effect on product innovation and product innovation increases.

Exploring a New Marketing Platform of Credit Card Companies: Comparing Social Network Promotions to Targeted Promotions

Abstract

Soohyun Cho (University of Florida), Liangfei Qiu (University of Florida), Subhajyoti Bandyopadhyay (University of Florida)

Some credit card companies (CCs) and partner merchants have launched an exclusive marketing platform for their cardholders. The platform provides either public promotion through Social Network Services (SNS) or targeted promotion through their websites. We examine which promotion is more profitable to CCs and to competitive partner merchants.

Internet and Online Social Networks Diffusion: an exploratory study in Mexican enterprises

Abstract

Regina Leal Guemez (Universidad Autónoma Metropolitana), Salvador T. Porras (Universidad Autónoma Metropolitana)

Seeking to understand the diffusion of Internet and Online Social Networks (OSN) in the context of developing countries, the aim of this research is to analyze the level of adoption and use of those technologies in a region of Mexico, in particular in Large Enterprises in Iztapalapa (LEIs).

Should Online Content Providers Be Allowed to Sponsor Data Usage?

Abstract

Soohyun Cho (University of Florida), Liangfei Qiu (University of Florida), Subhajyoti Bandyopadhyay (University of Florida)

Internet service providers (ISPs) are testing a business model that allows content providers to sponsor Internet access for end consumers. We develop a game-theoretical model analyzing the effects of ISP network management choice of data sponsorship and identify the conditions under which ISP's choices deviate from the social optimum.

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Monday, Nov 23rd, 2015, 1:30-3:00 p.m. | Medina

RESEARCH-LEAN QUALITY SIX SIGMA: Quality Customers and Service

Chair: Rohit Verma (Cornell University)

A Study of How Healthcare Failure Mode and Effect Analysis (HFMEA™) Affects Performance of Hospital Processes

Abstract

Brandon Lee (Clemson University), Lawrence Fredendall (Clemson University)

Quality tools such as FMEA assist teams to gather data, analyze data, and make decisions. The process is examined using the theoretical lens of goal theory.

Quality Assessment in High-Contact Services using Golder's (2012) Integrative Quality Framework

Abstract

Uzay Damali (University of Victoria), Ahmet Ozkul (University of New Haven)

One of the key elements in a quality system (e.g., MBQNA) is the quality assessment. However, quality assessment can be a complex issue in high-contact services. We applied Golder et al. (2012)'s framework to fully assess the quality of a high contact service: patient education programs of hospitals.

Quality Excellence and Customer Satisfaction in High-End Services: A Comprehensive Analysis of Upscale & Luxury Hotels

Abstract

Rohit Verma (Cornell University), Jie Zhang (University of Vermont), Hyunjeong "Spring" Han (National Research University Higher School of Economics)

While many past studies demonstrate the linkages between quality improvement and customer satisfaction, few have specifically focused on the high-end services. This presentation will discuss the results of a multi-year analysis of quality improvement and customer satisfaction scores from over 500 upscale and luxury hotels from around the world.

Study The Effects Of Product Quality On Customer Satisfaction In The Automotive Industry

Abstract

Lu Xu (UNT), Victor Prybutok (University of North Texas)

This survey research investigates the relationship between product quality and customer satisfaction with household income as a mediator in the context of the automotive industry. Data was collected using an online Qualtrics survey. Partial least squares structural equation modeling (PLS-SEM) allowed testing the posited model and associated hypotheses.

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Monday, Nov 23rd, 2015, 1:30-3:00 p.m. | Jefferson B

RESEARCH-NEW PRODUCT: Models in Innovation and Product Development

Chair: Sandeepkumar Jagani (University of Toledo)

A Conceptual Model of Global New Product Adaptation and Development

Full Paper

Qi Zou (University of Toledo), Jeen Lim

Firms are required to commit to new product development and the globalization of innovation efforts. This study investigates the global new product adaptation and development. This study develops a conceptual model that captures the four stages of global new product adaptation and development. Managerial and theoretical implications are discussed.

Estimating Bass Model Parameters Using Particle Filter Method

Abstract

Heejay Kang, Hongsuk Yang (Seoul National University)

The Bass model is the most well-known new product diffusion model in marketing research. In this paper, we estimate parameters of the Bass model numerically using particle filter method which is a posterior density estimation algorithm that directly implements the Bayesian recursion equations.

The Simulation of the Regional Technological Innovation Ecosystem in the Condition of Resource Constraints

Abstract

LEI LEI, TIE WEI, zhiwei zhu

This paper analyzes the evolution of the Regional Technological Ecosystem (RTIE) through modeling a Multi-Agent System and simulating its evolution. The result shows that Resource Agents will gather around Enterprise Agents in different distribution with different Control Agent's actions. It provides theoretical foundations for research in RTIE's evolution.

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Monday, Nov 23rd, 2015, 1:30-3:00 p.m. | Kirkland

RESEARCH-OPERATIONS MANUFACTURING: Service Operations Management

Chair: Winston Lin (University at Buffalo-SUNY)

Servitization and its antecedents: a grounded-theory approach

Abstract

Nikhil Varma (HEC Montreal), Rajesh Kumar Tyagi, Pierre-Olivier Pineau (HEC Montreal), Federico Pasin (HEC Montreal)

The servitization process is complex and challenging for organizations. Using case study methodology we explore the underpinnings of a servitization process and develop an antecedent model. This model will add to the scarce literature in this area and provide future researchers a comprehensive conceptualization of the servitization process.

The partial adjustment valuation approach with stochastic and dynamic speeds of adjustment to evaluating and measuring the business value of IT

Abstract

Winston Lin (University at Buffalo-SUNY), SHIH-SIAN JHANG (The State University of New York, University at Buffalo)

This paper proposes to develop the partial adjustment valuation approach in which the speeds of adjustment are assumed to be stochastic and dynamic, rather than constant, to evaluating the value of information technology. An application is undertaken to demonstrate and illustrate how the proposed approach is applied in practice.

Organizational Learning: A Comparison between Single-Level and Two-Level Measurement

Abstract

Young-Sun Park (Seokyeong University), Ilhyung Kim (Western Washington University), Mark Springer (Western Washington University)

Learning and forgetting occur at the various levels of an organization and with different rates. However, due to data limitations, it is often necessary to use the conventional aggregated model to estimate the learning and forgetting of the entire organization. This paper investigates the accuracy of this approximation.

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Monday, Nov 23rd, 2015, 1:30-3:00 p.m. | Juniper

RESEARCH-OPERATIONS STRATEGY: Operations Strategy and Performance

Chair: Gurkan Akalin (Eastern Illinois University)

The impact of servitization on firm performance

Abstract

Rui Sousa (Catholic University of Portugal (Porto)), Giovanni da Silveira (University of Calgary)

This paper examines the impact of basic and advanced servitization strategies on firm performance, based on data from over 900 manufacturing firms across the globe. We find that advanced servitization, but not basic servitization, positively impacts sales and profitability. The study provides additional insights on the performance impacts of servitization.

The Study of Managerial Practices, Mass Customization, and Organizational Performance

Full Paper

Wai Kwan Lau (Marshall University)

This paper investigates three critical managerial practices, advanced manufacturing technology (AMT), flexible layout and process plans (FLPP), and the establishment of learning relationship (LR), and their impacts on MC in a manufacturing company. It also examines how the market segment favorableness influences the relationship between mass customization and firm performance.

Causal relationship among environment, operations strategy focus, and performance

Abstract

EuiBeom Jeong (Korea University), DaeSoo Kim (Korea University Business School)

This study investigates the effect of business environment on firm performance mediated by operations strategy focus. Based on the company data from Korea Productivity Center, we empirically examine the hypothesized relationships using regression. The result of the analysis provides various managerial implications on operations strategy.

Relationship between manufacturing strategy and performance among Indian manufacturing firms

Abstract

Birasnav Muthuraj (New York Institute of Technology)

Sustaining competitive advantage through effective formulation and implementation of manufacturing strategy is the main focus of Indian manufacturing firms. This study examines the relationships between manufacturing priorities such as flexibility, quality, delivery, and cost and organizational performance. It also investigates the moderation role of firm characteristics in the above relationships.

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Monday, Nov 23rd, 2015, 1:30-3:00 p.m. | Cedar B

RESEARCH-ORGANIZATION BEHAVIOR: Applying Organization Theory to Alliances, Innovation, and Integration

Chair: Yousef Abdulsalam (Arizona State University)

Alliance Formation: A Prisoner's Dilemma Perspective

Abstract

John-Patrick Paraskevas (University of Maryland), Stephanie Eckerd (University of Tennessee)

We explore factors that influence successful outcomes in alliance formation in the presence of asset-specific investments and cooperative agreements. We further investigate potential curvilinear relationships regarding strategic cooperation encouraged under the relational view. In order to conduct our study we employ a behavioral experiment utilizing a prisoner's dilemma setting.

The Effect of Ambiculturalism on Innovation and Firm Performance

Full Paper

Yousef Abdulsalam (Arizona State University), Jie McCardle (Idaho State University), Dennis Krumwiede (Idaho State University), Thomas Kull (Arizona State University)

We build on the concept of ambiculturalism to develop hypotheses describing why ambicultural firms both develop innovation capabilities and achieve financial performance. The results suggest that when firms are able to balance multiple cultural contrasts, they are able to capitalize on innovation opportunities, and improve firm performance.

Cross-Functional Integration: Concept Clarification and Scale Development

Abstract

Daniel A Pellathy

While most authors have an intuitive sense of cross-functional integration as a complex, multidimensional concept, more work is needed on (1) providing a clear, theoretically based definition of the concept, (2) specifying its dimensions, (3) validating a set of scale items that reliably measure its conceptual domain.

The Effects of Internal Marketing on Market Orientation and Its Antecedents: A Hierarchical Linear Model

Full Paper

Eldon Y. Li (National Chengchi University), Kiekang Chao (National Chengchi University), Chia-Chang Liu (National Chengchi University)

This study proposes a multilevel model to depict the causal relationships of market orientation behavior (MOB) with internal marketing, knowledge integration, relationship quality, relational bond (RB), and organizational citizenship behavior (OCB). A total of 471 valid responses from employees of 47 banks were collected and analyzed with HLM software.

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Monday, Nov 23rd, 2015, 1:30-3:00 p.m. | Willow B

RESEARCH-SERVICE: Segmentation and Consumer Understanding in Service Industries

Chair: Peggy Daniels Lee (Indiana-Purdue University Indianapolis)

Design and Service Delivery for Thailand Tourism Clusters

Abstract

Praowpan Tansitpong (Mahidol University International college), Viriya Taecharunroj

The study utilizes two clustering models derived from demographics and individual's cultural orientation to differentiate an evaluation from each segment on multiple destination attributes by using Important-Performance Analysis (IPA). Our results suggested three tourist segments that share similar cultural cues identified by the unique evaluations towards multiple attributes.

M-shoppers' and Information Searchers' Perceptions of M-shopping Factors

Abstract

Sergio Palacios (New Mexico State University), Minjoon Jun (New Mexico State University)

This study attempts to examine the perceptions of mobile shoppers and information searchers on key mobile shopping factors by analyzing data collected from 350 mobile users. The findings of this research will be of value to both m-retailers and researchers, who are interested in transforming mobile surfers into actual customers.

Study on Efficient Operation of Coffee Franchises in Korea and the Improvement Focusing the Customer Analysis of Importance – Satisfaction

Abstract

Changhee Joshua Kim (Seoul National University)

This study is to analyze the efficiency in the operation of the franchises in the coffee industry in Korea, which shows the rapid growth recently and thus find out what the consumers think is important in the selection of coffee franchise and what factors meet their demands.

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Monday, Nov 23rd, 2015, 1:30-3:00 p.m. | University

RESEARCH-SUPPLY CHAIN DESIGN: Supply Chain Contracts

Chair: Qiannong Gu (Ball State University)

A Sensitivity Analysis in Supply Chain Management with Demand Uncertainty

Full Paper

Qiannong Gu (Ball State University), Sushil K Sharma (Ball State University)

This research focuses on an inventory optimization problem with uncertain demand. The sensitivity analysis of the inventory parameters is conducted to provide managerial insights for inventory managers. The numerical example demonstrates the performance of inventory management under different scenarios. Higher variation of demand results in higher costs in most scenarios.

Channel Selection and Distribution Strategy in E-Commerce: An Application of User Generate Product Reviews

Abstract

Chieh Lee (Yuan Ze University)

An e-store aims to mitigate its new product demand uncertainty by allying with a retail system, using quantity flexible contract, and updating its demand with user-generate reviews. We characterize the optimal channel coordination strategy by model the e-store and retail system as Stackelberg players in a two-stage game.

Assessing the Impact of Revenue-Sharing Contracts in Supply Chains with Competing Manufacturers

Abstract

Sungki Kim (Seoul National University), Nina Shin (Seoul National University), Sangwook Park

This study analyzes the impact of two different revenue-sharing contracts on the supply chain comprising two competing manufacturers and one common retailer by manufacture Stackelberg game. Among two manufacturers, only one manufacturer uses the contract. We focus on revenue sharing contract can make win-win condition in this situation

R&D and market performances in a three-stage supply chain

Full Paper

Seung Ho Yoo (Sunmoon University), Yongwon Seo

By considering possible integration of processes and power dynamics in a three-stage supply chain, we introduce six supply chain models with different supply chain structures based on the principal-agent paradigm. Then, we investigate their distinct characteristics, and we reveal which supply chain structure yields superior R&D and market performances.

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Monday, Nov 23rd, 2015, 1:30-3:00 p.m. | Seneca

RESEARCH-SUPPLY CHAIN NETWORKS: Supply Chain Turbulence and Disruptions

Chair: John Ni (University of Rhode Island)

Coordination Mechanisms in Supply Chain under Asymmetric Quality Information

Full Paper

pin zhuang (Nanjing University of Aeronautics and Astronautics), Jye-Chyi Lu (Georgia Institute of Technology)

This paper studies three supply chain contracts with asymmetric supplier quality information employing game theory: optimal contracts in centralized control setting, profit margin contract and profit sharing contract in decentralized control setting. The numerical analyses show that profit sharing contract is a coordination mechanism.

The shareholder wealth impact of product recalls in automotive supply chain

Abstract

Sachin Modi (Iowa State University), Xiaowen Huang (Miami University), John Ni (University of Rhode Island)

Research investigating recalls has often looked at stock market reaction to OEM firms. However, little has been done to understand the impact of recalls on channel partners. Event study is used to quantify the market reaction to channel partners' stocks when OEM firms announced recalls. Results will be presented.

Can Managers be Emotional? The Effects of Supply Chain Disruptions on Managers' Emotions and Decisions

Abstract

Mikaella Polyviou (The Ohio State University), A. Michael Knemeyer (The Ohio State University), Johnny Rungtusanatham (The Ohio State University)

In this study, we examine how supply chain disruptions with different attributes influence managers' emotional reactions, which, in turn, influence their decisions with respect to current and future suppliers. We also examine whether individual characteristics moderate these relationships.

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Monday, Nov 23rd, 2015, 1:30-3:00 p.m. | Boren

RESEARCH-SUPPLY CHAIN RESILIENCE: The Bullwhip Effect and Supply Chain Disruptions

Chair: Sima Fortsch (University of Michigan Flint)

A Behavioral Experiment on Inventory Management with Supply Chain Disruption

Abstract

Sourish Sarkar (Penn State Erie), Sanjay Kumar (Valparaiso University)

We explore the effects of communicating disruption information with supply chain members using the beer distribution game in a controlled laboratory setting. For upstream disruption, sharing disruption information is beneficial to reduce the order variability. For downstream disruptions, sharing disruption information does not appear to have significant benefit.

Bullwhip Effect in a Pharmaceutical Supply Chain

Abstract

Ming Jin (The University of Utah), Glen Schmidt (University of Utah), Nicole DeHoratius

We investigate the bullwhip effect in a multi-echelon pharmaceutical supply chain. Specifically, we estimate the bullwhip effect at the stock keeping unit (SKU) level, analyze the bias in aggregated measurement of the bullwhip effect (product and time aggregation), and examine various driving factors of the bullwhip effect.

How well do we need to know our demand distribution before placing orders?

Abstract

Sima Fortsch (University of Michigan Flint), Elena Khapalova (University of Michigan-Flint)

In this simulation-based study we match supply with demand using several ordering methods for a given set of demand distributions. The hypotheses are: Each demand distribution has an ordering method that best matches it. There is a "least cost" ordering method that should be used when the demand distribution is unknown.

System Dynamics at the Water Food Energy Nexus: A Sustainable Supply Chain Management Case Study

Abstract

Samuel D. Allen (Worcester Polytechnic Institute), Joseph Sarkis (Worcester Polytechnic Institute)

System dynamics helps to build understanding in the case of nexus problems. A model of the Beer Game was expanded to include water, food and energy interactions at a hypothetical California brewer.

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Monday, Nov 23rd, 2015, 1:30-3:00 p.m. | Cedar A

RESEARCH-SUSTAINABILITY: Operational Issues in Environmental Management

Chair: Mohammed Khurum S. Bhutta (Ohio University)

Empirical Examinations of Reverse Supply Chain Management

Abstract

Chia-Hung Chuang (University of North Dakota), Yabing Zhao (San Francisco State University)

The objective of this study is to address social and environmental implications under remanufacturing. We analyze several important issues and overall reverse supply chain performance. The results provide in-depth understanding and valuable managerial implications of remanufacturing practices so that firms may leverage business performance through effective reverse supply chain management.

The ISO 14001 environmental certification: state of the art and research agenda

Abstract

Marco Sartor (University of Udine), Guido Orzes (University of Udine), Guido Nassimbeni, Anne Touboulic

Environmental sustainability has gained momentum in business world and academia. This paper presents the first literature review on the most important environmental certification, namely the ISO 14001. We identify and summarize six streams of ISO14001 research by applying the antecedents–structure/process–consequences framework. We propose an agenda for future research.

"Greening" of the Supply Chains: Case Studies of the Leading Global Corporations

Abstract

Hormoz Movassaghi, Narges Kasiri (Ithaca College)

Green Supply Chain Management has become a main focus for companies to ensure lower environmental impact across product design, manufacturing, distribution, and the end of life. We examine the SC management practices of world's leading sustainable companies, from a variety of countries and industries by analyzing financial performances derived from DJSI.

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Monday, Nov 23rd, 2015, 1:30-2:15 p.m. | Columbia

WORKSHOP: Come preview Pearson's new, engaging OM decision-making simulations

Workshop Coordinator: Lauren Lopez (Pearson Publishing)

Presenters: Katie Rowland (Pearson), Brian Hyland (Pearson)

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Monday, Nov 23rd, 2015, 1:30-3:00 p.m. | Redwood B

WORKSHOP: How to Publish in Top Tier Journals

Workshop Coordinator: Ram Narasimhan (Michigan State University)

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Monday, Nov 23rd, 2015, 1:30-3:00 p.m. | Grand Ballroom A

WORKSHOP: Internationalization of Indian B-Schools: Opportunities for Strategic Partnerships

Workshop Coordinator: Ravi Jain (Symbiosis Institute of Business Management, Hyderabad Campus)

Presenters: Bhimaraya A Metri (International Management Institute), Ramachandran Natarajan (Tennessee Tech University), Eknath Balu Khedkar (Savitibai Phule Pune University)

Monday, Nov 23rd, 2015, 2:15-3:00 p.m.

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Monday, Nov 23rd, 2015, 2:15-3:00 p.m. | Columbia

WORKSHOP: Foster student engagement and peer-to-peer learning through Learning Catalytics

Workshop Coordinator: Lauren Lopez (Pearson Publishing)

Presenter: Adam Goldstein (Pearson)

Monday, Nov 23rd, 2015, 3:00-3:30 p.m.

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Monday, Nov 23rd, 2015, 3:00-3:30 p.m. | Metropolitan Ballroom (Break Area)

COFFEE BREAK 6: Monday Afternoon

Monday, Nov 23rd, 2015, 3:30-5:00 p.m.

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Monday, Nov 23rd, 2015, 3:30-5:00 p.m. | Kirkland

ADMINISTRATIVE MEETING: 2016 Program Committee Meeting

Chair: Johnny Rungtusanatham (The Ohio State University)

Members: Stephen Ostrom (Arizona State University), Srinivas Talluri (Michigan State University), Dana Evans (Decision Sciences Institute)

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Monday, Nov 23rd, 2015, 3:30-5:00 p.m. | Greenwood

ADMINISTRATIVE MEETING: Decision Line Meeting

Chair: Maling Ebrahimpour (University of Rhode Island)

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Monday, Nov 23rd, 2015, 3:30-5:00 p.m. | Capitol Hill

ADMINISTRATIVE MEETING: Global Affairs Committee

Chair: Gyula Vastag (Szechenyi University)

Invitee: Asoke Dey (University of Akron)

Members: Sukran Nilvana Atadeniz (Yeditepe University), Mark Jacobs (University of Dayton), Prattana Punnakitikashem (Mahidol University), Jim Chen (St. Cloud State University), Carmela Di Mauro (University of Catania)

Past Chair: Jatinder N D Gupta, University of Alabama in Huntsville

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Monday, Nov 23rd, 2015, 3:30-5:00 p.m. | Eagle Board Room

ADMINISTRATIVE MEETING: Southeast DSI Regional Annual Business Meeting

Chair: Shanan Gibson (East Carolina University)

Members: Jason Deane, Kellie Keeling (University of Denver), Suzanne Smith (Presbyterian College), Lara Khansa (Virginia Tech, Pamplin College of Business), Susan R. Williams (Georgia Southern University), Shona Morgan (North Carolina A&T State University), Joan Donohue (University of South Carolina), Drew Rosen (University of North Carolina Wilmington)

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Monday, Nov 23rd, 2015, 3:30-5:00 p.m. | Seneca

EDUCATION-AACSB: Fostering a Culture of Assurance of Learning: Experience from Three Business Schools

Moderators: Daniel Connolly (Portland State University), Reza Torkzadeh (University of Nevada, Las Vegas)

Panelists: Keah-Choon Tan (University of Nevada, Las Vegas), Stephen Haag (University of Denver), Neil Ramiller (Portland State University)

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Monday, Nov 23rd, 2015, 3:30-5:00 p.m. | Issaquah A

EDUCATION-AACSB: Business Curriculum and the Learning Environment

Chair: Frank Alaba Ogedengbe (Auchi Polytechnic)

A Continuous Improvement Model for Student Satisfaction with Their Learning Environments

Full Paper

Kenneth MacLeod (East Carolina University), Ravi Paul (East Carolina University), William Swart (East Carolina University)

A tool to manage and continuously improve the classroom processes leading to student satisfaction with their learning environment is presented. Critical success factors are the process variables, student satisfaction is the outcome variable, and Relative Proximity Theory is the measurement tool. Preliminary results indicate effective management is possible.

Re-invigorating Business Education curriculum for enhanced service delivery: The place of soft skills

Full Paper

Frank Alaba Ogedengbe (Auchi Polytechnic)

Without doubt, individuals, organizations and governments acknowledge the invaluable contributions of training to human capital development, which, by extension, reflect in improved service delivery and turn-over. It is no surprise, that every year, many of these organizations commit substantial parts of their appropriations to training and re-training of their staff.

297

Monday, Nov 23rd, 2015, 3:30-5:00 p.m. | Issaquah B

EDUCATION-TECHNOLOGY: Tools to Teach Supply Chain and Statistics

Chair: Ardavan Asef-Vaziri (California State University, Northridge)

A scm field study of the brewing industry: shouldn't everybody have a course like this?

Abstract

William Newman (Miami University), Rhett A. Brymer (Miami University)

We describe a SCM course taught as an experiential field study during the January winter term. The course travels to multiple states and tours almost 30 brewing related facilities in support of student team projects framing issues of capacity, location, sourcing, distribution, and social responsibility.

Interactive Tools for Teaching Statistical Concepts in Business Schools

Abstract

Mia Stephens

We introduce interactive tools for exploring statistical concepts using JMP Statistical Discovery Software. We use simulators for exploring ANOVA and Regression, and use bootstrapping and randomization tests to introduce confidence intervals and p-values. We interact with predictive models using the Profiler, and explore classification trees with dynamic splitting and pruning.

The Flipped Classroom: Gains and Demerits

Abstract

Samia M. Siha (Kennesaw State University)

This paper presents a broad review of the published research on the topic of the flipped classroom. The goal is to provide a categorized review of the topic and find the areas that has not been well researched yet. A recommendation for a future research agenda will be provided.

Using Modified Beer Game to Teach Supply Chain Disruptions

Abstract

Sanjay Kumar (Valparaiso University), Jiangxia Liu

A novel classroom tool is designed to teach impacts of supply chain disruptions and the value of information sharing. The game, a modification of traditional beer-game, is easy and effective classroom tool. We design several scenarios based on the location of disruptions (upstream/downstream) and information availability to supply chain partners.

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Monday, Nov 23rd, 2015, 3:30-5:00 p.m. | Ravenna A

RESEARCH MARKETING: Optimizing Demand Chain Management

Chair: Ryan Choi (University of California, Irvine)

An Analysis Of Menus Of Multi-part Tariffs

Abstract

Ryan Choi (University of California, Irvine)

We study the characteristics of three-part tariffs. Besides low type segment's surplus, the seller can extract more from the high type that depends on both the level of quantity allowances and the fixed fee. With this, firms offer contracts regardless of the taste parameter and of the low type proportion.

Is Demand Chain Management the New Supply Chain Management? Will Demand Channel Optimization One Day Trump the Supply Chain?

Abstract

Daniel Bumblauskas, Paul Bumblauskas (PFC Services, Inc.), Prashant Misra (UNI), Madiha Ahsan (UNI)

This session resurrects a contemporary view of demand management and provides a literature review and case studies. While the concept of demand chain management is believed to have been introduced in the 1990's, there has not been much research in the area, especially relative to the number of SCM publications.

Optimizing Advance and Spot Selling Prices of Service Capacity in a Monopolistic Market

Full Paper

Hongkai Zhang (East Central University), Hani I Mesak (Louisiana Tech University), Jiehui Ma (University of Wisconsin-Whitewater)

The profit function of a bivariate quadratic form is formulated in this paper to determine the optimal pricing scheme for advance and spot selling for a service provider in a monopolistic environment. The impacts of price sensitivities on the optimal pricing scheme are analytically examined.

299

Monday, Nov 23rd, 2015, 3:30-5:00 p.m. | Madrona

RESEARCH-DATA ANALYTICS: Healthcare analytics

Chair: Monali Malvankar (Western University)

An Analytics Model to Predict Drug Courts Outcome

Abstract

Hamed Majidi Zolbanin

Drug court is an alternative for traditional criminal courts that attempts to shift from a punitive to a therapeutic jurisprudence. To better manage the resources and maximize the benefits, this study develops a model to predict who will or will not graduate from these courts.

The Cost-effectiveness of Teleglaucoma versus In-patient Examination

Abstract

Monali Malvankar (Western University), Sera-Melisa Thomas, William Hodge

Teleglaucoma uses stereoscopic digital imaging to take ocular images, which are transmitted electronically to an ocular specialist. Using Markov modelling, a cost-effectiveness analysis was conducted to evaluate teleglaucoma. The ICER calculated for teleglaucoma was \$27,460/QALY. In conclusion, teleglaucoma was found to be cost-effective than in-patient examination in rural areas.

Improving the Survival Odds of a Health Clinic

Abstract

Mohan Rao (Texas A&M University-Corpus Christi)

Solo practice physicians are under a lot of pressure these days. Physicians Foundation's 2014 Top 5 Watch List includes consolidation leading to monopolization, regulatory burdens, confusion about exchanges and reimburse rates, technology, and the inability of Congress. This paper discusses the attempts of a clinic to survive against the odds.

Predicting Wellness: An Analytic Approach to Preventative Care

Invited Paper

Ravi Behara (Florida Atlantic University), Ankur Agarwal (Florida Atlantic University), Vinaya Rao (Methodist University Hospital Transplant Institute), Christopher Baechle (Florida Atlantic University)

In this paper we predict individual wellness using Multilayer Perceptron (MLP) and Bayesian Networks (BN). The dataset used for evaluation was CDC-NHANES 2011-2012, which is a survey of approximately 5,000 individuals. We observed prediction accuracy to be best when using MLP, but RMSE and AUC were better when using BN.

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Monday, Nov 23rd, 2015, 3:30-5:00 p.m. | Diamond A

RESEARCH-DECISION MODELS FINANCE: Portfolio Management and Index Tracking

Chair: Mark Schroder (Michigan State University)

A Marginal Conditional Stochastic Dominance based Model of Enhanced Index Tracking

Abstract

QIAN LI

This paper presents an enhanced model for index tracking with Marginal Conditional Stochastic Dominance (MCSD) rules. The model is still in the optimization framework but combined with two levels of MCSD. By adopting an immunity-based multi-objective optimization algorithm, the solutions for the model are developed.

An Orthogonal Genetic Algorithm for Index Tracking Problem

Abstract

Liang Bao (Xidian University)

We propose an orthogonal genetic algorithm for index tracking problem. Our algorithm is more robust and can search the solution space in a statistically sound manner.

Optimal Consumption and Portfolio of Investment in a Financial Market with Jumps

Full Paper

Gan Jin (Sun Yat-sen University)

We discuss in a financial market with jumps, with Lagrangian methods taking into account to find out the possible optimal solutions. Then we prove they are true. Finally, under the assumptions of deterministic coefficients on the model, we obtain the optimal pair of portfolio/consumption in an explicit feedback form

Application of Two-Stage Risk-Averse Optimization to Real-time Interday Portfolio Management

Abstract

Sitki Gulten (Stockton University)

We describe a study of application of risk-averse optimization techniques to daily portfolio management. We construct a two-stage stochastic programming problem with conditional measures of risk with transaction costs included. Finally, we present an extensive simulation study on both intraday and interday real-world data of several versions of the methodology.

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Monday, Nov 23rd, 2015, 3:30-5:00 p.m. | Leschi

RESEARCH-DECISION MODELS LOGISTICS: Pricing in transportation

Chair: Syed Raza (Qatar University)

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Monday, Nov 23rd, 2015, 3:30-5:00 p.m. | Willow A

RESEARCH-DECISION MODELS: Optimization Models in Decision Making

Chair: Winston Lin (University at Buffalo-SUNY)

A Genetic Algorithm Approach to Solve an Agricultural Planning Problem Considering the Effect of Greenhouse Gas Emission

Full Paper

Rabin K Jana (Indian Institute of Social Welfare & Business Management), Dinesh K. Sharma (University of Maryland Eastern Shore), Bidushi Chakraborty

In this paper, we present a mathematical model of an agricultural planning problem. We propose a distance function based genetic algorithm approach to solving this model. The usefulness and applicability of the proposed approach are demonstrated via a case example.

Estimating Retail Demand for Assortment planning using MNL model

Full Paper

Bhimaraya A Metri (International Management Institute), Alok Kumar Singh (International Management Institute)

The paper check the validity of the MNL models for the selected product. The results revealed that the model is empirically valid in the given context and for the given product category. It also present the process of estimation of the various parameters for demand estimation using MNL model.

Partial Adjustment Towards Maximum CEO Compensations

Abstract

Winston Lin (University at Buffalo-SUNY), Chia-Ching Chou (University at Buffalo-SUNY)

In this paper, we propose to empirically analyze the speeds of partial adjustment of the observed CEO compensations towards the desired (maximum) compensations and their impacts upon the performance of firms as measured by a built-in performance index. The firms considered include Dow 30.

Strategies to enhance the efficacy of collaborative problem solving in complex environment

Abstract

Ilaria Giannoccaro (Politecnico di Bari)

This paper examines how the level of knowledge possessed by members of a team and their propensity for conflict influence the efficacy of collaborative problem solving. Recommendations for improving the efficacy of team problem solving based on the results of a simulation are provided.

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Monday, Nov 23rd, 2015, 3:30-5:00 p.m. | Ballard

RESEARCH-EMERGING INFORMATION TECHNOLOGY: Managing knowledge and realizing superior performance through emerging ITs

Chair: Hongwei Du

Instrument for an Empirical Information-Theoretic Model of Value Distortion in IT Innovations

Full Paper

Suvankar Ghosh (University of South Dakota), Anja Baumgarten (University of South Dakota)

We examine, from an information-theoretic standpoint, inflated expectations about new information technologies that are launched with much hype and fanfare. Based on a small pilot with 17 participating firms in South Dakota and Minnesota, we have built an instrument to test an information-theoretic model of value inflation of emerging IT.

The Mediating Role of Perceived Knowledge Update in an ERP Simulation Game

Full Paper

Mehdi Darban Hosseini Amirkhiz, Hongyan Liang (Kent State University), Dong-Heon Kwak, Mark Srite

This study explores the mediating role of knowledge update in the context of an ERP simulation game. Based on the expectancy-confirmation model, this study suggests that the relationships among individual efforts, perceived knowledge update, and involvement, will ultimately influence willingness to learn about ERP systems.

The Underlying SccoB Processes: knowledge mapping, knowledge micro analysis, and action threshold management

Full Paper

Theodore J. Randles (Eastern Kentucky University), William Miller (Georgia College & State University), Lutfus Sayeed (San Francisco State University)

The SccoB process balances, complements, compartmentalizes, and governs the simultaneous and continuous creation of organization knowledge. To achieve these higher mapping levels, the underlying SccoB processes, which are described in this paper, provide a KBS development strategy and a knowledge mapping process thereby serving as a strategic tool.

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Monday, Nov 23rd, 2015, 3:30-5:00 p.m. | Ravenna C

RESEARCH-ETHICS: Ethical Issues and Applications

Chair: John Davies (Victoria University of Wellington)

A Review of Ethical Issues in Supply Chain Management

Abstract

Mary Margaret Rogers (University of New Mexico)

The study of ethics in supply chain management is rapidly growing but fragmented and issue focused. The purpose of this study is to conduct a systematic literature review investigating the state of ethics research within the discipline of supply chain management to determine major themes and gaps in the literature.

Football fans satisfaction and team ethical behavior

Abstract

Carmela Di Mauro (University of Catania), Alessandro Ancarani (University of Catania)

Recent scandals on unethical behavior by Italian football teams provoked this survey on over 2000 fans to investigate the impact of unethical behavior on fans satisfaction. Surprisingly, results show a negative relation between satisfaction and generic unethical behavior but a significant positive relation between satisfaction and collusive agreements between teams.

Gambling and Sport – Spot Fixing: It's Just Not Cricket!

Full Paper

John Davies (Victoria University of Wellington)

This case addresses inappropriate workplace behavior within a context defined by the written and unwritten codes of a professional sport - cricket. It can be used to explore integrity and reputation within sport; stakeholder relationships; the role of governing bodies, and role conflict arising from overlapping jurisdictions and governance responsibilities.

The Effect of Implementing Corporate Social Responsibility Guideline on Firm's Competitive Advantage: Using ISO 26000

Abstract

Kai Kim (Bryant University), DonHee Lee

We present research examining the effects of implementing CSR guideline in business operations on gaining firm's competitive advantage. We find that the implementation level of CSR guideline is positively related to firm's competitive advantage.

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Monday, Nov 23rd, 2015, 3:30-5:00 p.m. | Virginia

RESEARCH-GLOBAL SUPPLY CHAIN: Sustainable Supply Chain Issues

Chair: John Bell (University of Tennessee-Knoxville)

Sustainable Supply Chain Management in Emerging Economies: The Effects on Social Capital and Supplier Performance

Abstract

Su-Yol Lee (Chonnam National University), Seha Bae (Chonnam National University)

Sustainable supply chain management can play a critical role in diffusing responsible practices throughout the emerging Asian economies. This study provides empirical evidence that sustainable SCM can contribute to the improvements in the environmental, social and operational performance of the Vietnamese suppliers through the social capital accumulation.

Finding the bottom line of the triple bottom line: A sustainable supply chain event study

Abstract

Zachary S. Rogers (Arizona State University), Craig Carter (Arizona State University)

We perform an event study to measure the financial impact of the occurrence various "sustainability events" within the supply chain. The events are broken into granular categories and studied over a 20 year period. Company responses and reputations are also considered.

The roles of cognitive capital in environmental management and performance: an empirical investigation in manufacturing industry

Abstract

Nguyen Manh Hung (RMIT Vietnam), Norma Harrison (Macquarie Graduate School of Management)

This paper investigates the influence of cognitive dimension of SCM, relationships to environmental management system (EMS), and implications for performance using GMRG. The findings show the importance of supply chain cognitive development in developing EMS; direct positive effect of EMS on operational and environmental but not on financial performance.

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Monday, Nov 23rd, 2015, 3:30-5:00 p.m. | Redwood A

RESEARCH-HEALTHCARE: Importance of Managing Functional Systems in Healthcare

Chair: Yousef Abdulsalam (Arizona State University)

Buyer-Supplier Trust in the Health Sector

Abstract

Eugene S. Schneller (Arizona State University), Yousef Abdulsalam (Arizona State University)

We extend theoretical models of buyer-supplier trust by examining buyer-supplier trust in the healthcare context. Over 1,000 survey responses from healthcare providers and suppliers are analyzed via a structural equation model. The results highlight the most critical enablers and barriers to trust in buyer-supplier relationships.

Framework for Assessing Lean Thinking in Hospitals

Abstract

Gopalakrishnan Narayanamurthy (Indian Institute of Management Kozhikode), Anand Gurusurthy (Indian Institute of Management Kozhikode)

Adapting Lean Thinking (LT) in a firm consists of three stages: readiness, implementation, and assessment. Several studies exist discussing LT implementation in hospitals, but very few exist on understanding other two stages. This research focuses on assessment stage, proposes a framework to assist hospitals in measuring the leanness attained.

The Myth of System Integration in US Healthcare

Abstract

Jun He (University of Michigan-Dearborn)

Integrated HIT systems, EHR in particular, are transforming the healthcare industry. The transformation is a result of government mandate rather than a nature evolution of technology. The effectiveness of system integration in the healthcare industry may deviate from what we have observed in other industries and need to be reexamined.

307

Monday, Nov 23rd, 2015, 3:30-5:00 p.m. | Aspen

RESEARCH-HEALTHCARE: Managing Quality for the Sake of Patient

Chair: Gregory Stock (University of Colorado Colorado Springs)

An Empirical Analysis of Patient Safety Culture and Hospital Performance Using the AHRQ Survey on Patient Safety Culture

Full Paper

Gregory Stock (University of Colorado Colorado Springs), Kathleen L. McFadden (Northern Illinois University)

This paper tests the relationship between patient safety culture and different dimensions of performance in a sample of hospitals using culture data from the Agency for Healthcare Research and Quality and performance data from Hospital Compare. Our findings indicate that stronger patient safety culture is associated with better hospital performance.

An allocation of vertically differentiated prescriptions: a case of Thailand's comorbidities and benefit plans

Abstract

Praowpan Tansitpong (Mahidol University International college), Apirak Hoonlor, W. Art Chaovaitwongse (University of Washington)

This study investigates the equity of standard care on quality-differentiated medications prescribed to patients from various segments. This study explores how different dosages of the same type of medicine were assigned to segmented group of patients in which the prices were subsidized by different Thailand's multiple benefit plans.

Electronic Health Records and User Participation: Digital Natives versus Digital Immigrants

Abstract

Rajat Mishra (Stephen F. Austin State University), Randy Napier (University of Texas at Arlington)

The need for clarity is a matter of frequent discussion and concern among healthcare professionals, practitioners, patients and academicians. Electronic Health Records would provide clarity, transparency, interoperability and transferability in the health care. This study addresses this issue with two classes of health care practitioners- 'digital natives' and 'digital immigrants'.

Research on Main Reason and Prevention and Control Countermeasures of Adolescent Constitutional Deterioration from the Health Management Perspective

Abstract

Gengdan Hu (Tongji University), Dan Wang (Tongji University)

The main reason of affecting adolescent constitutional deterioration, key countermeasure of prevention and control and effective way have not been revealed in China. From the perspective of health management, this study is to explore the deep reasons that relevant policies and regulations have not been well implemented, and solutions.

308

Monday, Nov 23rd, 2015, 3:30-5:00 p.m. | Jefferson A

RESEARCH-INFORMATION SECURITY: Survey Research in Information Security

Chair: Jian Hua (University of the District of Columbia)

The Impact of Training Upon Information Systems Security Awareness: An Empirical Investigation

Full Paper

Charles Bryan Foltz (University of Tennessee at Martin), Laura Foltz (University of Tennessee at Martin)

This research examines the impact of information systems security training upon non-malicious insiders at various organizational levels. The transfer of knowledge attributed to these training programs will be evaluated utilizing both quantitative and qualitative methodologies including a simulated phishing attack.

Investigating the Effect of Personality on IT Protective Behaviors of Individuals

Abstract

Arash Negahban (California State University, Chico), John Windsor, Xiaoyun He (Auburn University at Montgomery)

The widespread use of smartphones creates a unique context to investigate individuals' protective behaviors with regard to their personalities. The goal of this study is to understand how one's personality can influence his/her protective behavior in the context of adoption and use of protection technologies for smartphones.

Resilience and Cyber Bullying Coping Behavior as Measured in Undergraduate College Students

Abstract

Juergen Georg Stegmair (University of North Texas), Victor Prybutok (University of North Texas)

Cyberbullying negatively influences people. Preventing cyberbullying is motivated by the adverse impact on participants. A survey of 1087 undergraduates identified significant factors associated with cyberbullying including the importance of resiliency. In the sample 276 students identified themselves as having been involved in cyberbullying, and 212 (76.81%) identified as a victim.

Civilians' Economic Resilience to Cyber Terrorism

Abstract

Jian Hua (University of the District of Columbia), Sanjay Bapna (Morgan State University)

By using empirical data, this research will develop an instrument to measure civilian's economic resilience. We will explore the impact of demographic factors such as education, age, race, gender, income, computer literacy, Internet usage, etc. We will also test our hypothesis.

309

Monday, Nov 23rd, 2015, 3:30-5:00 p.m. | Medina

RESEARCH-LEAN QUALITY SIX SIGMA: Quality Society and Sustainability

Chair: Adams Steven (University of Massachusetts Amherst)

Are certifications competing, complementing or substituting? Performance implications of quality, environmental and health & safety certification

Abstract

Frank Wiengarten (ESADE), Annachiara Longoni (ESADE), Paul Humphreys (Ulster), Brian Fynes

Recent years have seen an increase in companies seeking external process certification of various types. Especially, certifications such as ISO 9001, ISO 18001, and OHSAS 18001 have been globally implemented to a great extent. Through survey data we explore the interrelationship of multiple certifications and their impact on a company's performance.

Contribution of Lean Purchasing to Sustainability Performance

Abstract

Hale Kaynak (The University of Texas Rio Grande Valley), Muratcan Erkul (University of Texas Rio Grande Valley)

The purpose of this paper is to empirically investigate the relationship between the extent of lean purchasing implementation and sustainability performance. We test our research model using cross-sectional mail survey data collected from firms operating in the US. The implications of the findings for researchers and practitioners are discussed.

Determining the Relative Importance of Spectator Needs and Stadium Attributes for Soccer Stadium Using Entropy Method

Full Paper

Srikrishna Madhumohan Govindaluri (Sultan Qaboos University), Sujeet Kumar Sharma (Sultan Qaboos University)

The objective of this research is to prioritize important spectator needs in relation to soccer stadiums. The entropy method is employed in order to determine the relative importance of spectator needs. The house of quality approach approach facilitates the determination of the relative importance of stadium technical attributes.

The first come disadvantage: Analyzing product recalls in consumer product industry

Abstract

Adams Steven (University of Massachusetts Amherst), Anuoam Kumar

Often, more than one firm encounters quality failures that result in recalls. In this paper, we examine the effect on quality reputation of firms, the position of their recall announcements. We find that there is a disadvantage in announcing first and it's exacerbated by the time to a competitors recall.

310

Monday, Nov 23rd, 2015, 3:30-5:00 p.m. | Ravenna B

RESEARCH-LOGISTICS: Transportation/Infrastructure

Chair: Markham Frohlich (Indiana University - Kelley School of Business)

A study of the relationship between firm size and safety performance in the US motor carrier industry

Abstract

Prab Singh (Iowa State University), Thomas M Corsi (University of Maryland)

The purpose of our study is to examine the relationship among firm size and safety performance in the U.S. motor carrier industry. This study develops theoretical insights based on the resource-based view of the firm and provides an important managerial and public policy implications.

An Integrated Terminal Operating System for Enhancing the Efficiency of Seaport Terminal Operating Companies

Full Paper

Hokey Min (Bowling Green State University), Seung Bum Ahn, Hyang Sook Lee, Heekeon Park

As a way to better utilize the existing terminal infrastructure and enhance terminal operating efficiencies, we propose an integrated terminal operating system that can reduce the duplicated investment in equipment, redundant workforce, and unnecessary competition, while standardizing terminal services including loading/unloading, discharging, and transferring cargo.

Stalled Supply Chains: Large-Truck Delays and Solutions to the Problem

Abstract

Markham Frohlich (Indiana University - Kelley School of Business)

Large-trucks are responsible for many supply chain delays, and are especially problematic at motor carriers employing independent truckers called "owner-operators". Analyzing Big Data (BD), we identify the root causes of such delays. Findings are relevant to both motor carriers and companies relying on large-trucks for supply chain deliveries.

311

Monday, Nov 23rd, 2015, 3:30-5:00 p.m. | Jefferson B

RESEARCH-NEW PRODUCT: Strategies in Research and Development

Chair: Matthew Jenkins

Research and Development Expenditures Fit and Financial Performance

Abstract

Abdalla M Garguri (University of Toledo)

By inaccurate R&D spending, firms hurts their financial performance. Although each firm is a unique, R&D spending strategy can be generalized at industry level. The research purposes to create a guideline to make R&D expenditures more efficient and effective based on industry characteristics.

SBIR/STTR collaboration between small businesses and nonprofit universities

Abstract

Mengyang Pan (The Ohio State University), James A. Hill (The Ohio State University), Aravind Chandrasekaran (The Ohio State University), Johnny Rungtusanatham (The Ohio State University)

This study examines a special type of R&D collaboration between small businesses and nonprofit universities funded by SBIR/STTR federal grants. We aim to discover when small businesses should choose R&D collaboration with universities against internal R&D.

312

Monday, Nov 23rd, 2015, 3:30-5:00 p.m. | Juniper

RESEARCH-OPERATIONS STRATEGY: Product Architecture and Global Operations Strategy

Chair: Scott Swenseth (University of Nebraska-Lincoln)

The Explicit Impact of the Choice of Product Architecture on the Design of Global Operations Networks

Full Paper

Sebastian Pashaei (Lund University), Jan Olhager (Lund University)

We study how the choice of product architecture decisions, from integral to modular designs, influences the global operations network design. We perform a multiple-case study of ten products at three global manufacturing companies and their respective global operations networks and find some significant differences.

3D Printing Adoption in Manufacturing

Abstract

Marc Schniederjans (University of Nebraska-Lincoln), Dara Schniederjans (University of Rhode Island)

We develop a framework grounded on interviews with manufacturing representatives to investigate the drives of 3D printing use in manufacturing. In order to test our hypotheses based on this framework, we use a combination of structured interviews as well as survey data from manufacturing firms across the United States.

Additive Manufacturing as a Sustainable Alternative for Conventional Manufacturing

Abstract

Mojtaba Khorram Niaki (Sapienza University of Rome), Fabio Nonino

The aim is to evaluate AM impacts in operation objectives such as quality, speed, flexibility, cost and dependability. We employ an explorative investigation among the Italian firms. The objective is to understand how the categories of these firms is in favor of the introduction of AM in operation objectives.

313

Monday, Nov 23rd, 2015, 3:30-5:00 p.m. | Cedar B

RESEARCH-ORGANIZATION BEHAVIOR: Dispositional and Emotional Factors and Their Influence on Deviance, Safety and Performance

Chair: Maryam Memar Zadeh (Western University)

The Moderating Effect of Organizational Climate on the Relationship between Proactive Personality and Constructive Deviant Behavior

Full Paper

Leila Canaan Messarra (Lebanese American University), Grace Dagher (Lebanese American University)

THE PURPOSE OF THIS RESEARCH IS TO PROPOSE A RELATION BETWEEN PROACTIVE PERSONALITY AND THE TWO DIMENSIONS OF CONSTRUCTIVE DEVIANT BEHAVIOR AND TO STUDY IF ORGANIZATIONAL CLIMATE MODERATES SUCH A RELATIONSHIP. DATA WILL BE COLLECTED FROM A NON-WESTERN COUNTRY USING A QUESTIONNAIRE TO EMPIRICALLY EXAMINE THE PROPOSED RELATION.

Age and Time Stress: Does Occupation Matter?

Abstract

Olga Chapa (University of Houston Victoria), Grace Dagher (Lebanese American University), Linda Hayes (University of Houston Victoria)

This research is aimed at addressing gaps in studies investigating the relationship between age, time stress and occupations. 254 Data were collected from emergency responders and 281 non-emergency responders. The results revealed interesting findings that the relationship between age and time stress may be due to the occupation and its job characteristics.

Employee Retention: A Positive Psychology Perspective

Abstract

HONG REN (University of Wisconsin-Milwaukee), Baichun Feng (Webster University)

We study employee retention from a positive psychology perspective. Thriving is "the psychological state in which individuals experience both a sense of vitality and a sense of learning at work". In particular, we examine the antecedents of employee thriving and explore how thriving may influence employee retention.

Managing Operations to Realize Reliability Intentions: An Ethnographic Study on Operational Integrity of Fall Prevention Operations

Abstract

Maryam Memar Zadeh (Western University)

The objective of this study is to understand the nature of mindful managerial efforts and embedded routines that allow operational systems of a firm realize their operational reliability intentions. For this purpose an ethnographic case study of elderly fall prevention operations in a Canadian long-term care home has been conducted.

314

Monday, Nov 23rd, 2015, 3:30-5:00 p.m. | Willow B

RESEARCH-SERVICE: Service Management Conceptualizations

Chair: Kirk Karwan (Furman University)

The Risks of Co-Creation: A Conceptual Framework

Abstract

Uzay Damali (University of Victoria), David McCutcheon (University of Victoria), Enrico Secchi (University College Dublin (UCD)), Stephen Tax (University of Victoria)

We develop a conceptual framework that analyzes the risks associated with co-creation in services. While not disputing previous findings concerning the positive outcomes of customer participation in service systems, our framework proposes a counterbalancing view leading to a more nuanced picture of the design issues associated with high degrees of co-creation.

The Role of Competitive Priorities in Location Mobility and Menu Decision: A Study of the Food Trucks Industry

Full Paper

Eduardo Millet (University of Texas Rio Grande Valley)

The revitalization of the food truck industry presents an interesting opportunity to study the competitive priorities of food trucks and how they are related to mobility and menu configurations. This conceptual paper presents four propositions on how location mobility and menu decisions are related to a set of competitive priorities.

Towards a Contingent Understanding of the Operational Characteristics and Managerial Challenges of Professional Services

Full Paper

Matthew Walsman (Cornell University), Rohit Verma (Cornell University)

This paper presents the results of a best-worst (or max-diff) survey-based study evaluating the extent to which traditional frameworks of work characteristics and managerial challenges in professional service delivery are evident in management consultancy firms today. We propose a contingent framework to better characterize professional service firms.

315

Monday, Nov 23rd, 2015, 3:30-5:00 p.m. | University

RESEARCH-SUPPLY CHAIN DESIGN: Supply Chain Integration

Chair: Cigdem Ataseven (Cleveland State University)

Antecedents of Supply Chain Integration in Humanitarian Relief Organizations

Abstract

Cigdem Ataseven (Cleveland State University), Anand Nair (Michigan State University), Mark Ferguson (University of South Carolina)

In this study, we consider intellectual capital as the antecedent of supply chain integration in humanitarian relief organizations, which operate under constrained resources. We propose a theoretical model and test this model using survey data from a sample of food banks.

Impact of supply chain integration on company credit scores

Abstract

Gergely Tyukodi (Corvinus University of Budapest)

Credit scoring and bankruptcy calculation models focus primarily on individual companies while Supply Chain Integration (SCI) studies highlight network effects. In this exploratory research we investigate the effects of companies' supply chain integration on their potential credit scoring.

The relationship between JIT, SCI and performance: An integrated perspective

Full Paper

Chen Liu (School of management, Xi'an Jiaotong University), Baofeng Huo, XIANDE ZHAO (South China University of Technology)

This study investigates the influences of JIT and SCI on companies' performance, and the mechanism between JIT and

SCI through structural equation model method. Based on 317 samples, our findings indicate JIT and SCI differently impact on cost and service performance. Supplier integration relates to performance through improving JIT.

316

Monday, Nov 23rd, 2015, 3:30-5:00 p.m. | Diamond B

RESEARCH-SUPPLY NETWORKS: Managing Risks in Strategic Sourcing and Supply Networks

Chair: Craig A. Hill (Clayton State University)

An Agency Theory Perspective on Risks in Service Triads

Full Paper

Sourav Sengupta (IITB-Monash Research Academy), Tarikere Tulasidas Niranjana (Indian Institute of Technology Bombay), Mohan Krishnamoorthy (Monash University)

A service triad is a triadic relationship in which a client firm serves its customers indirectly through a third-party vendor. We conduct a qualitative, inductive study to uncover risks and the underlying risk factors in service triads and explain how they might inform contract design using agency theory.

An Extended Framework for Supply Chain Risk Management:

Abstract

Laird Burns (University of Alabama in Huntsville)

We develop and test an extended supply chain risk framework, working with senior supply chain executives. This more comprehensive framework includes insights from industries including automotive, food, aerospace, emerging markets and technologies, conventional and nuclear energy, remanufacturing, medical devices, space launch systems, metals, military, and large scale systems engineering projects.

Is dishonesty the best policy? Supplier behaviour in a multi-tier supply chain

Abstract

Gregory DeYong (Southern Illinois University), Hubert Pun (University of Western Ontario)

We examine suppliers' behaviour in a multi-tiered supply chain. If a defective component is produced, the seller can rework the component (honesty) or may ship it without reworking (dishonesty). The buyer can accept the product or may inspect before accepting. We identify strategy shift-points and inefficiencies introduced by dishonest behavior.

317

Monday, Nov 23rd, 2015, 3:30-5:00 p.m. | Cedar A

RESEARCH-SUSTAINABILITY: Panel on the interrelationships of environmental and social sustainability

Moderators: Constantin Blome (University of Sussex), Antony Paulraj (University of Southern Denmark)

Panelists: Robert Klassen (University of Western Ontario), Daniel Guide (Penn State University), Mark Pagell, Craig Carter (Arizona State University), Zhaohui Wu (Oregon State University)

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Monday, Nov 23rd, 2015, 3:30-5:00 p.m. | Redwood B

WORKSHOP: Publishing in DSJ

Workshop Coordinator: Nallan Suresh (University at Buffalo-SUNY)

Monday, Nov 23rd, 2015, 5:00-6:00 p.m

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Monday, Nov 23rd, 2015, 5:00-6:00 p.m. | Juniper

ADMINISTRATIVE MEETING: DSI Annual Business Meeting

Chairs: Morgan Swink (Texas Christian University), Johnny Rungtusanatham (The Ohio State University)



2015 Program Schedule

Monday, Nov 23rd, 2015, 5:30-9:00 p.m.

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Monday, Nov 23rd, 2015, 5:30-9:00 p.m. | Grand Ballroom

RECEPTION: President's Gala Reception and Closing Banquet

Tuesday, Nov 24th, 2015, 7:00-8:30 a.m.

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Tuesday, Nov 24th, 2015, 7:00-8:30 a.m. | Juniper

ADMINISTRATIVE MEETING: Regional Activities Committee

Chair: Funda Sahin (University of Houston)

Members: Constantin Blome (University of Sussex), Robert Pavur (University of North Texas), Ja-Shen Chen (Yuan Ze University), Ravi Jain (Symbiosis Institute of Business Management, Hyderabad Campus), Minoos Tehrani (Roger Williams University), Shanan Gibson (East Carolina University), Debbie Gilliard (Metro State College of Denver), Peggy L. Lane (Missouri Western State University), David C. Chou (Eastern Michigan University)

Ex-Officio: Morgan Swink, Texas Christian University

Tuesday, Nov 24th, 2015, 8:30-10:00 a.m.

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Tuesday, Nov 24th, 2015, 8:30-10:00 a.m. | Eagle Board Room

ADMINISTRATIVE MEETING: Ad Hoc Committee on DSI Colleges

Members: Qing Cao (Texas Tech University), Vicky Gu, Julie Kendall (Rutgers University), Ken Kendall (Rutgers University)

Chair: Marc Schniederjans, University of Nebraska-Lincoln

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Tuesday, Nov 24th, 2015, 8:30-10:00 a.m. | Diamond A

ADMINISTRATIVE MEETING: Finance & Investment Advisory Committee

Invitee: Jomon Aliyas Paul (Kennesaw State University)

Members: Samir Barman (University of Oklahoma), Mary Fischer (University of Texas at Tyler), Timothy Paul Cronan (University of Arkansas-Fayetteville), Quinton Nottingham (Virginia Tech)

Chair: Janelle Heineke, Boston University

Past Chair: Johnny Rungtusanatham, The Ohio State University

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Tuesday, Nov 24th, 2015, 8:30-10:00 a.m. | Everett

ADMINISTRATIVE MEETING: Publications Committee

Chair: Anand Nair (Michigan State University)

Invitee: Sameer Kumar (University of St. Thomas)

Members: Merrill Warkentin (Mississippi State University), Maling Ebrahimpour (University of Rhode Island), Thomas Stafford (University of Memphis), Vijay Kannan (Utah State University), Jan Olhager (Lund University), Daekwan Kim (Florida State University), Xiaosong Peng (University of Houston), Gopesh Anand (University of Illinois at Urbana-Champaign)



2015 Program Schedule

Tuesday, Nov 24th, 2015, 10:30 a.m.-12:00 p.m.

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Tuesday, Nov 24th, 2015, 10:30 a.m.-12:00 p.m. | Juniper

ADMINISTRATIVE MEETING: IT Committee

Advisor: Johnny Rungtusanatham (The Ohio State University)

Invitees: Stephen Ostrom (Arizona State University), Madeline Apperson

Members: Richard Jenson (Utah State University), David Stevens (University of Louisiana), Doug White (Roger Williams University), Silvana Trimi (University of Nebraska-Lincoln)

Chair: **John McQuaid**, Pepperdine University

Past Chair: **Jon (Sean) Jasperson**, Texas A&M University-College Station

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Tuesday, Nov 24th, 2015, 10:30 a.m.-12:00 p.m. | Eagle Board Room

ADMINISTRATIVE MEETING: Nominating Committee

Chair: Marc Schniederjans (University of Nebraska-Lincoln)

Advisor: Johnny Rungtusanatham (The Ohio State University)

Members: Morgan Swink (Texas Christian University), Srinivas Talluri (Michigan State University), Anil Aggarwal (University of Baltimore), Ramesh Sharda (Oklahoma State University), Eldon Y. Li (National Chengchi University), Carl Rebman (University of San Diego), Natasa Christodoulidou (California State University, Dominguez Hills), Timothy Smunt (University of Wisconsin-Milwaukee)

Ex-Officio: **Maling Ebrahimpour**, University of Rhode Island

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