Greetings DSI!

I’m sure that many of you are, like me, looking forward to our fast approaching meeting in Seattle. This conference promises to be extra special—Natasa Christodoulidou and Shawnee Vickery have arranged some interesting off-site experiences, along with a great line-up of speakers and sessions. I hope to see you there.

On another note, an important mission of the DSI is to support leading research in the decision sciences by offering high quality journals. We greatly appreciate the efforts of past and current editors at Decision Sciences and Decision Sciences Journal of Innovative Education. As many of you are no doubt aware, Cheri Speier-Pero has taken over the full editorial responsibilities for
The Decision Sciences Institute is dedicated to excellence in fostering and disseminating knowledge pertinent to decision making.

Mission Statement
The Decision Sciences Institute advances the science and practice of decision making. We are an international professional association with an inclusive and cross-disciplinary philosophy. We are guided by the core values of high quality, responsiveness and professional development.
FROM THE EDITOR
MALING EBRABHIMPOUR, EDITOR, University of Rhode Island

Decision Lines Feature Editors:

Dean's Perspective, Maling Ebrahimpour, University of Rhode Island mebrahimpour@uri.edu

Doctoral Student Affairs, Varun Grover, Clemson University vgover@clemson.edu

Ecommerce, Kenneth E. Kendall, Rutgers, The State University of New Jersey ken@the kendalls.org

From the Bookshelf, James Flynn, Indiana University (Indianapolis) ejflynn@iupui.edu

In the Classroom, Kathryn Zuckweiler, University of Nebraska at Kearney zuckweikerkm@unk.edu

Analytics and Data Science, Subhashish Samaddar, Georgia State University s-samaddar@gsu.edu

Information Technology, TBA

In the News, Dana L. Evans, Decision Sciences Institute dlevans@bauer.uh.edu

International Issues, Minoo Tehrani, Roger Williams University mtehrani@rwu.edu

Membership Roundtable, Gyula Vastag, National Szechenyi University gvastag@gmail.com

Supply Chain Management, Daniel A. Samson, University of Melbourne, Australia d.samson@unimelb.edu.au

Research Issues, Mahyar Amouzegar, Cal Poly Pomona mahyar@cpp.edu

Maling Ebrahimpour is Professor of Supply Chain in the College of Business Administration at The University of Rhode Island. He is an active researcher and has authored or co-authored over 100 articles that have been published in scientific journals and proceedings. Most of his work focuses on various issues of quality in both service and manufacturing companies. He received his PhD in business administration from University of Nebraska-Lincoln and has served on the editorial review board of several journals, including Journal of Quality Management, Journal of Operations Management, and International Journal of Production Research. mebrahimpour@uri.edu

As you read this issue of the Decision Line, you notice that the emphasis is on our Annual Conference in Seattle. By now, you are ready and packed and counting days for this wonderful annual event. The co-chairs have done a marvelous job of putting a most wonderful program both in terms of scientific activities and well as new and different social events for you or members. Both President Swink, DSI board and I are looking forward to seeing you at this event that highlights the collective efforts of our co-chairs, their team and all members.

Program Co-Chairs for 2015 DSI Conference, Natasa Christodoulou and Shawney Vickery, have provided complete details about the Annual Conference in Seattle (November 21-23). There are several panels, speakers and many quality papers. This is promising to be a great conference. In addition to regular and special research presentation and seminars, the co-chairs have planned on exciting events that will make the DSI gathering in Seattle an unforgettable conference.

In addition, there are more interesting readings included in this issue. You will read vision and strategic statements of the two 2106 President-Elect Nominees. Please read these statements their state-ments will help you to make a more informed decision when time comes to vote. In addition, the list of all other nominees for different offices with the list of their DSI related activities are included.

The article in the Research Issue is very interesting and informative. Professors Fallah-Fini and Lawrence J. Cheskin, discuss a systems science approach in obesity research. They suggest that a team-based approach to complex health problem where computational and simulation modeling can provide an important avenue to study the complex obesity problem and help to create effective intervention and preventive solutions.

As always, I encourage you, our reader, to share your opinions and ideas with us by writing and sending them to me at mebrahimpour@uri.edu, or you may send it to the feature editors as shown in this section.

I am looking forward to reading your articles for inclusion in Decision Line. Maling Ebrahimpour, PhD Editor ■

From PRESIDENT'S LETTER, page 1

Decision Sciences. I urge all of you to give Cheri your full support. We all would like to see Decision Sciences as a consensus top-tier journal. Given the limited outlets for researchers in information systems, operations/ supply chain management, and analytics, positioning DS as an “A” journal is an important goal for us as researchers and for the institute as a whole. In order to achieve this goal, the Decision Sciences journal needs high quality submissions, a timely and high quality, developmental review process, and great visibility among scholars. Please consider how you can contribute to one or more of these areas. Submit your best quality research to the journal, volunteer to serve on the editorial team, and promote the DS among your colleagues and Deans.

Earlier this year we announced that the institute would be launching a new journal, Decision Sciences: Supply Chain Management. We have made progress in setting up the journal with Wiley, our publisher. However, the board of directors has decided to postpone further efforts to launch the new journal, and instead put our full focus on improving the Decision Sciences as the institute’s flagship journal. Cheri and the editorial team, along with the publications committee, DSI board of directors, and home office are all working hard to establish the Decision Sciences as a first choice for researchers in our respective fields. This can be done! Please work with us to make this goal a reality.

Best regards to all of you. See you in Seattle! ■
The two candidates for the position of DSI president-elect — Jatinder (Jeet) N. D. Gupta of the University of Alabama Huntsville and Julie Kendall from Rutgers University — provide their vision statements for the 2016 election of officers.

Jatinder (Jeet) N. D. Gupta

I first joined DSI in 1969 as a young assistant professor and remember well how shy and intimidated I was at the time. With mentorship and encouragement from senior DSI fellows and leaders, I contributed to DSI as an active participant and volunteer, served on the DSI Board of Directors, chaired various DSI committees, served as an Associate Editor of the Decision Sciences Journal, and contributed to regional development and growth as President of the Mid-West and Indian Subcontinent Regions. It is this spirit of inclusion that makes DSI great—a spirit that I wish to foster and invigorate, if given the opportunity to serve as DSI President.

That being said, it would be untrue for me to paint only a rosy picture of DSI. The last few years have been challenging, with recent DSI Presidents and Boards implementing strategies to address these challenges. We are beginning to see the fruits of these strategies in transforming the Institute structure (e.g., establishment of colleges, strengthening of the relationship with regions, etc.), the Board and governance of the Institute (e.g., functionally-elected VPs with set responsibilities), the academic and social quality of our annual meetings (e.g., investments in social networking events such as receptions), and the positioning and strengthening of our journals. Yet, more can and should be done to stabilize this transformation and make DSI an academic and professional home for all. I believe that my leadership experiences within DSI coupled with my leadership achievements with other academic societies and as an endowed professor, department chair, and associate dean have prepared me well to serve DSI in the years ahead.

As I reflect on my ongoing conversations with DSI members about DSI, I see three areas of opportunity that my presidency hopes to capitalize on (by pursuing the priorities and initiatives described below) — (1) Service to the members and the profession, (2) Global reach and growth, and (3) Interdisciplinary collaboration.

Opportunity # 1: Service to the members and the profession:
The overarching core value of DSI is to serve its members. To do so, we organize conferences so people can share their thoughts; we publish journals so we can disseminate our research findings and learn from the work of others; and we prepare our younger colleagues for excellence in teaching and research. Emerging information technologies have changed the notion of service making agility, accessibility, flexibility and adaptability key ingredients of excellent service. DSI must develop plans to exploit emerging information and social networking technologies to augment the services being provided to our members and to explore alternative ways to deliver value to our members and the profession.

Opportunity # 2: Global reach and growth:
As a result of serving DSI in various capacities and having served in leadership capacities in other societies, like the President of POMS, I have first-hand experience of the thrill and excitement generated by interacting with colleagues from around the world. However, compared to other societies, DSI membership outside the USA is low. Since global experiences are a constant source of value and professional growth in the ever increasing emphasis on global business in academia and practice, DSI must continue to enhance its global reach and membership growth to serve its members and the decision sciences profession.

Opportunity # 3: Interdisciplinary Collaboration:
DSI started with the belief that decision making processes require a team approach and expertise from multiple disciplines to examine multi-dimensional issues. In my own experience as a faculty member in various business schools and in participating in DSI, POMS, and other societies, I find that the rewards of collaboration outweigh its costs. To continue to serve our members and the profession of decision sciences, DSI must remain true to its core value of collaboration and expand the interdisciplinary nature of its activities in teaching, research, and global outreach.

My Vision, Priorities, and Initiatives: Considering the above three areas of opportunity and the current efforts in enhancing the services provided by DSI, my vision is for DSI to be the first choice of decision sciences colleagues and be committed to excellence in fostering, disseminating, and deploying knowledge about decision sciences throughout the world. To accomplish this vision, the specific initiatives I would launch as DSI President to benefit our members are:

- Continue the current efforts to enhance the quality and reputation of our (1) flagship journal (DSJ) and the focused-area journal (DSJIE) to make them the top journals in decision science related areas; and (2) national and international conferences (including placement services) by initiating efforts to include high quality and integrative academic, professional and practice-oriented sessions and participants. I will
appointment a blue ribbon committee to develop plans to include the Decision Sciences journal in the UT Dallas listing of top journals.

- Continue to move forward in creating a holistic, collaborative, service-oriented, global organization by enhancing and improving the relationship of the parent DSI organization with the DSI regions to include (1) implementing the DSI Board decision to organize international DSI conferences in collaboration with our international regions on a rotational basis; (2) making the Mexico region viable by renaming and expanding it to include Central and Latin America; and (3) leveraging our existing strengths and global linkages to grow DSI members and attract more colleagues from around the world to participate in our conferences and publish in our journals.

- Initiate steps to develop plans and capabilities to enhance DSI offerings to include webinars, symposia and colloquia to (1) develop a collaborative mindset and skills in research and teaching by including multiple disciplines to tackle decision-making situations; (2) prepare our members to be effective teachers in the rapidly growing on-line and distance education market; (3) serve the specific interests of our members through Special Interest Groups (SIGs) and Colleges to offer focused workshops, symposia and colloquia; and (4) assist our young and mid-career colleagues in earning tenure and promotion at their respective institutions through specially designed activities.

Working together as one team and one family, we can ensure that DSI continues to be the global society of choice among decision science colleagues around the world. I believe my long-term participation and service in DSI has created value for my fellow DSI members, professional colleagues, and myself. Therefore, it will be my distinct honor and privilege to serve as DSI president to provide the needed leadership. I pledge my strong commitment to furthering the DSI core values and to achieving its vision in a collaborative, inclusive, global, and service-oriented manner.

Together we can make it happen!!!

Jeet Gupta is Professor, Eminent Scholar, and Associate Dean for Graduate and Sponsored Programs, College of Business Administration, University of Alabama in Huntsville.

guptaj@uah.edu

Jeet Gupta, University of Alabama Huntsville
Associate Editor, Decision Sciences Journal, 2012-Present
Immediate Past Chair for Global Affairs Committee, 2014-2016
Member of the DSI Best paper award committee, 2015
Panel Chair, “Rigor and Relevance in Decision Sciences,” DSI Annual Conference, 2015
Asia Pacific Divisional Vice President (substitute for Bhimaraya Metri) 2015
Member of the Global Affairs Committee, 2014-15
Dennis E. Grawog Distinguished Service Award (DSI), 2014
Strategic Planning for International Affairs, Chair 2013-14
Vice President for Global Activities, 2013-14
Regionally Elected Vice President, Indian Subcontinent (substitute for Karuna Jain) 2012-13
Indian Subcontinent DSI Distinguished Services Award, 2013
Fellow Committee, Alternate 2011-12
Session Chair, Midwest DSI Indian Sub-continent Conferences
Track Chair, Indian Subcontinent DSI Conferences
Founding Regionally Elected Vice President, Indian Subcontinent DSI, 2007-09
Ad hoc Committee on Decision Sciences World Congress, Chair 2010-11
Ad hoc Committee on Fellows Designation, Chair 2009-11
DSI At-Large Vice President, 2009-11
DSI Executive Committee Member, Vice President Representative 2009-10

Associate Editor, Decision Sciences Journal, 1993-2005
Conference Chair, Indian-Subcontinent DSI, 2008 and 2009
Fellows Committee, Chair 2000-01
Strategic Planning for International Affairs Committee, 2004-06, 2009-10
Nominating Committee Chair and Member, Indian Subcontinent DSI
Founding President, Indian Subcontinent DSI, 2007-09
Ad hoc Committee to Investigate the Development of an Indian Region, Chair 2005-06
Doctoral Student Affairs Committee, 2002-04 DSI
Innovative Education Committee, 2001-03
Ad hoc Committee on a Teaching Publication, 1999-2000
Regionally Elected Vice President, Midwest, 1998-2000
Alpha Iota Delta Liaison Committee, 1997-99
New Faculty Development Consortium Coordinator, 1997
Member Services Committee, 1994-96
Programs and Meetings Committee, Chair 1995-96
Programs and Meetings Committee, Chair, Member 1994-95
Publications Committee, Chair 1994-95
Publications Committee, Member 1993-94
Ad hoc Committee for a Common Membership Data Structure, 1993-95
President, Midwest DSI, 1993-94
President-Elect, Midwest DSI, 1992-93
Proceedings Editor, Midwest DSI, 1991
Program Chair, Midwest DSI, 1991
Nominating Committee Chair and Member, Midwest DSI
Track Chair, Midwest DSI Conferences
Paper Award Judge, Midwest DSI
Reviewer, Elwood Buffa Doctoral Dissertation Competition
Session Chair, Midwest DSI Conferences
DSI Fellow, 1997
Outstanding Application Paper Award, Northeast DSI, 1987
Julie E. Kendall

As a member of DSI you hold the key to a bright future. I am happy to have this opportunity as a nominee for President-Elect to write to you about possibilities for the future of the Institute as well as your own career. Allow me to share with you what I envision as the past, present, and future of the Institute and the critical roles we can play in the coming years.

**DSI is a Support Network: Building Careers**

For as much as we yearn to do our work independently, we cannot create a career on our own. We need mentors, co-authors, journal editors, and officers in order to develop our talents in multiple directions. Membership in DSI and participating in the Annual Meeting affords us those opportunities. Seeing my mentors and their spouses every year has enriched my academic and personal life beyond measure. Networking with new members, who are the lifeblood of the group, provides further motivation for participating in the Annual Meeting. While we can never fully repay the debt we owe to our mentors, we should commit to helping doctoral students and junior faculty build their careers through participation in DSI.

**DSI is a Family: Strengthening the Family Metaphor**

Many of you who are reading this are long-time members of DSI. If that is the case, chances are I know you by name since I have been participating in DSI since the 1980 Annual Meeting in Las Vegas! DSI is a wonderful place for a Ph.D. student to present her new research. I was presenting a co-authored paper on a new tool for structured observation that we had created for systems analysts. Ken, my co-author (and spouse) encouraged me to overcome my obvious nerves at presenting to a group of professors by reassuring me that the gathering would be a small, friendly one.

For whatever reason, there turned out to be a sizeable audience gathered in that session that day. It was a friendly group though, providing helpful feedback, and eventually we published our paper in the Decision Sciences Journal. This warm initial reception has kept me active in the Institute ever since.

Our culture is one of shaping careers, and the family metaphor is an apt way to start visualizing the benefits that come from membership in DSI. We often return to DSI to celebrate our newfound success with those who gave us our start. We delight in sharing our career and personal achievements.

**DSI is a Multidisciplinary Society: Reflecting Our Uniqueness**

DSI has always been a multidisciplinary institute. One of its core strengths is inclusiveness of many different disciplines, methodologies, and academic institutions. When new societies sprang up that specialized in information systems (AIS) or production and operations management (POMS), many of us joined those, too. But DSI has a unique position in that you need not be in head-to-head competition with other members. You can tackle career hurdles at a similar time, and as you navigate through your own discipline, share experiences with those whose careers parallel yours, but who are not rivals in your chosen field.

Further, most projects today are complex enough to demand a multidisciplinary team. Granting agencies like the NSF are interested in supporting that breadth of perspective, which DSI represents. I want to reflect our uniqueness as a multidisciplinary society to help shape our destiny as a premier professional organization for decision sciences faculty.

**DSI is a Place for Opportunities: Rewarding all Dedicated Academics**

One of the distinguishing factors of DSI is the opportunity for service at an early stage in one’s career. I was fortunate to serve as Chair of two DSI committees before I earned tenure, the Strategic Planning for International Affairs Committee and the Doctoral Student Affairs Committee. Post-tenure I served as Vice President at Large for DSI and was Treasurer. Much of my service to DSI revolved around helping doctoral students do research. For nine years I served as Co-Coordinator for the Strategic Research Planning Workshop for the DSI Doctoral Student Consortium. I also served as Coordinator for The Elwood S. Buffa Doctoral Dissertation Competition. Later in my career I was honored as a Fellow of the Institute, and eventually served as a member of the Fellows Committee.

What I learned about how committees interact with the Board was invaluable in my work at Rutgers (my academic home since 1988) as well as my research with nonprofits including off-Broadway theaters, the Board of a Philadelphia classic theater company, and even a church council. The experience members acquire from serving the Institute is highly useful, fully transferable, and truly priceless.

**DSI is a Revitalized Organization: Supporting the Home Office**

DSI is now settling into our home office in the C.T. Bauer College of Business, University of Houston. The omnipresence of the staff at the last annual meeting in Tampa may have you fooled into thinking they are much larger than they actually are! Having a modernized home office, upgrading our accounting capabilities to better serve our members, with an enthusiastic management staff that works well with our volunteer Board and President means that the Institute is in good hands. I will support the home office staff as they provide our members with personal and technical assistance.

**Working Together to Make DSI Stronger: Creating New Initiatives**
Where should we go from here? We should envision the future of DSI together. We have a terrific past and promising present to build on. We have strong regions that I will work to support. I served as an officer for NEDSI, developing the first regional website, and I have presented research in several of our regions including Midwest, Southeast, Western, and participated internationally as well. The regions are vital to the Institute. They offer tremendous opportunities to present our research, improve our teaching, and serve in myriad roles, often close to home.

Speaking with several junior faculty members while serving on the Fellows Panel at the 2014 New Faculty Consortium in Tampa, I was impressed with their eagerness to share their best ideas for the Institute. I told them about an ad hoc committee I served on that recommended to the Board that we establish three colleges: Supply Chain & Operations Management, Information Systems & Information Technologies, and Business Analytics & Quantitative Methods. The junior faculty members were excited at the possibilities for strong networking with other members in their specific research areas that Colleges would provide. I believe these colleges will also help address our pressing need to increase our membership and help to make DSI a growing, sustainable entity well into the future.

The junior faculty members also asked me about the veracity of rumors (now confirmed) of a new DSI journal in the works. They were elated at the prospect of publishing in another high quality DSI journal. I would like to see even more new colleges and new journals in the future. I also want to encourage novel initiatives that cultivate new members and reinvigorate those of long-standing.

I look forward to creating a fulfilling future in DSI together with you.

- Julie Kendall, Rutgers University

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**Conference Track Chair Activities at DSI and the Regions**
- Track Co-Chair for Management Information Systems, Sixth International Meeting of the Decision Sciences Institute, Chihuahua, Mexico, 2000 to 2001.
- Co-Chair, MIS Track, Midwest Decision Sciences Institute, March 1997-March 1998, Lincoln, Nebraska.
- Track Chair for MIS, DSI, AI, and Microcomputers, Northeast Decision Sciences Institute, Annapolis, MD, June 1996–April, 1997.
- Track Chair for MIS, Third International Meeting, Decision Sciences Institute, Puebla, Mexico, November, 1994-June, 1995.
- Track Chair for Microcomputing, Northeast Decision Sciences Institute, Portsmouth, NH, June 1993–April, 1994.

**PhD and New Faculty Mentoring at DSI and the Regions**
- Member, Investment Advisory Committee, Decision Sciences Institute, San Diego, 1998-2000.
- Member, Strategic Planning for International Affairs Committee, Decision Sciences Institute, 1992-1993.
- Member, Strategic Planning for International Affairs Committee, Decision Sciences Institute, 1994-1996.
- Member, Member Services Committee, Decision Sciences Institute, 1997–1998.
- Member, Strategic Planning for International Affairs Committee, Decision Sciences Institute, 1993–1994.
- Editor, Member Services Committee, Decision Sciences Institute, 1991-1997.
- Committee Member, Strategic Planning for International Affairs, Decision Sciences Institute, 1992-1993.

**Editorial Board Memberships**
- Member, Editorial Review Board, DSJIE, 2001 to present.

See DSI ELECTION, page 22
LIST OF NOMINEES FOR 2016 ELECTION AND THEIR SERVICE ACTIVITIES RELATED TO DSI

Treasurer
Joy Field, Boston College
- Program Chair, Northeast, 2015
- Executive Program Chair and Proceedings Coordinator, Annual Meeting, 2014
- Secretary, Northeast Region, 2013-14
- Regional Activities Committee, 2012-14
- Regionally Elected Vice President, 2012-13
- Track Chair, 2010-14
- Local Arrangements Co-Chair, Annual Meeting, 2011
- Professional and Faculty Development Program Chair, Annual Meeting 2007
- Vice President of Communications, Northeast Decision Sciences Institute, 2007-12
- Northeast Decision Sciences Institute Board Member, 2004-07
- Track Chair, 2004
- Best Theoretical/Empirical Research Paper Award Co-Winner, 2001
- Doctoral Dissertation Competition, Winner 1998
- Associate Editor, Decision Sciences Journal

David Yen, SUNY College at Oneonta
- Program Chair, Northeast, 2015
- Executive Program Chair and Proceedings Coordinator, Annual Meeting, 2014
- Secretary, Northeast Region, 2013-14
- Regional Activities Committee, 2012-14
- Regionally Elected Vice President, 2012-13
- Track Chair, 2010-14
- Local Arrangements Co-Chair, Annual Meeting, 2011
- Professional and Faculty Development Program Chair, Annual Meeting 2007
- Vice President of Communications, Northeast Decision Sciences Institute, 2007-12
- Northeast Decision Sciences Institute Board Member, 2004-07
- Track Chair, 2004
- Best Theoretical/Empirical Research Paper Award Co-Winner, 2001
- Doctoral Dissertation Competition, Winner 1998
- Associate Editor, Decision Sciences Journal

VP European Division
Bart MacCarthy, University of Nottingham
- Global Affairs Committee, 2014-16

Markku Kuula, Aalto University
- President-Elect, European Region, 2013-14
- President, European Region, 2014
- Associate Editor, Decision Sciences Journal, 2014

VP Professional Development
Soumen Ghosh, Georgia Institute of Technology
- Fellows Track Coordinator, 2013 Annual Conference

• Nominee for DSI President, 2012
• DSI Fellow, 2011
• Secretary, Board of Directors, 2007-2009
• At-Large Vice President, 2003-2005
• At-Large Vice President, 1998-2000
• Nominee for Vice President on the Executive Committee, 2003-04 and 2004-05
• Associate Editor, Decision Sciences Journal, 1999-2004, 2009-current
• Professional Development Program Coordinator, 2004 Doctoral Student Consortium Coordinator, 2000
• Member Services Committee, 1997-98 and 2001-02
• Elwood S. Buffa Doctoral Dissertation Competition Coordinator, 1996 Doctoral Student Affairs Committee Chair, 2001-02;
• Doctoral Student Affairs Committee member, 1995-97, 1999-01, 2002-03 Publications Committee, Chair, 1997-98
• Publications Committee member, 1995-97 and 1998-99 Programs and Meetings Committee, 1992-94
• Track Chair for Production/Operations Management, 1993

QB Chung, Villanova University
- E-Commerce Track, Northeast Region, Chair, 2011, Co-Chair, 2014
- E-Commerce Track, International DSI, Co-Chair, 2013, 2009
- Program Committee, International DSI, 2013
- Information Technology Committee, 2010-12
- Programs and Meeting Committee, Chair 2007-08, Member 2001-06, 2008-09
- Mini-Conference on Sponsored Research, 2008

VP Member Services
Kathy Zuckweller, University of Nebraska at Kearney
- Associate Program Chair, Annual Meeting, 2014
- Marketing and Communications Committee, 2013-present
- Best Student Paper Award Competition Coordinator, 2008-09
- Feature Editor, Decision Line

Dilip Chhajed, University of Illinois at Urbana
- Associate Editor, 2010-present
- Member, Strategic Planning For International Affairs Committee, DSI, 2013-14

VP Global Activities
Chanchai Tangpong, North Dakota State University
- Track Chair, Organization Behavior and Human Resources Management, Annual Meeting, 2014
- Journal ad-hoc reviewer, 2011-present
- Conference reviewer, 2001-present
- Track Chair, Strategy & Policy Session Facilitator, Annual Meeting, 2008-09
- Organizational Behavior/Organizational Theory Session Facilitator, Annual Meeting, 2007
- Track Chair, Strategic Management/Economics, IDSI and APDSI Conference, 2007
- Best Theoretical/Empirical Paper Award Winner, 2011
- Distinguished Paper Award, Supply Chain Management Track, 2007

Eldon Li, National Chengchi University
- Member, Nominating Committee 2015-16, 1999-01
- Marketing and communication committee, International, 2013-14
- Development committee for excellence in the decision sciences, 2011-14
- Strategic planning for international affairs committee, member, 2008-10
- Immediate Past President, APDSI, 2009-10
- President, APDSI, 2006-08
- Vice President at Large 2005-06
- Conference Chair, APDSI 2004-05
- Conference Chair Elect, APDSI, 2003-04
- Secretary General, APDSI, 2001-03
- Webmaster, APDSI, 1998-present
- International Program Committee, APDSI, 1998-2002
- Special Session Coordinator, APDSI, 1997-98
- Regional Activities Committee, 2001-03, 2006-09
- President-Elect, APDSI 2006-08
- Best Case Studies Committee, 2002-04
- Immediate Past President, 2003-04
- President, Western Region, 2002-03
- President-Elect, 2001-02
- Program Chair, Western Region, 2000-01
- Program Chair Elect, 1999-00
- Webmaster, Western Region, 1998-02
- Member Services Committee, 1998-99
- Vice President Member Services, Western Region 1998-99
- Track Chair, Annual Meeting, 1998-9
- Vice President Special Arrangements, Western Region, 1999-98
- Pacific Rim Coordinator, Western Region, 1995-96
- Track Chair, Western Region Annual Meeting, 1991, 1989

The upcoming DSI Annual Meeting in Seattle is organized around two conference pillars: (1) Research, and (2) Education and Professional Development. The theme of the conference is “Decision Sciences in the 21st Century: Theoretical Impact and Practical Relevance” to highlight the increasing importance of research in the decision sciences that creates and advances knowledge and helps define and influence practice in these fields. The conference will feature many interesting papers and abstracts across a variety of tracks in research as well as education. There will also be a number of award competitions, including a new “Lean Enterprise Paper Award,” and a number of professional development events including consortia for senior faculty, junior faculty, and PhD students. For the second year in a row DSI has contracted with a publisher to produce a “Best Papers of the Conference” book to highlight some of the most outstanding papers submitted to the conference. The full breadth conference offerings can be viewed at www.dsi-annualmeeting.org.

Co-Program Chair: Natasa Christodoulidou of the California State University Dominguez Hills

Co-Program Chair: Shawnee K. Vickery of Michigan State University

Special Events
A number of special events will be held to provide great opportunities for socializing and networking with old and new colleagues. For some of the events, capacity is limited (*), so conference attendees interested in participating will need to register as soon as possible. Many of these events were made possible by donations given by faculty members and/or their colleges/universities. A full list of the generous sponsors of this conference will appear in the October issue of Decision Line. These exciting events are described next in chronological order.
Friday, November 20th, 6 pm:  
The Underground Seattle Tour*  

DSI attendees and guests can enjoy a walking tour through the aging remnants and ruins of Seattle’s original street level — situated below the current streets. Participants will travel back in time and experience life as it was in the 1800s. Registration is limited to the first 40 guests, so arrangements to participate should be made as soon as possible. Price per person for the tour is $21.50 and a reservation must be made by October 1. Reservations can be made by calling 206-682-4646 between the hours of 8:30am and 5pm Pacific time. The starting point of the tour is an easy 15-20 minute walk from the conference hotel.

Saturday, November 21st, 6:30 – 8:30 pm:  
The Welcome Reception  

A gala welcome reception will be held at the renowned Museum of Flight in the Personal Courage Wing of the museum for all DSI attendees and their spouses. Private buses will be leaving from the conference hotel starting at 5:30 pm to transport conference attendees to the museum throughout the evening (and back to the conference hotel later on). Food and drinks catered by the renowned McCormick & Schmick will be served starting at 6:30 pm. The Personal Courage Wing is an amazing and enjoyable venue for touring, visiting, and networking.

Sunday, November 22nd, 12:00 noon:  
Annual Meeting Luncheon  

The annual meeting luncheon, a great networking opportunity, will feature

Presenter: Marco Benvenuti  
Chief Analytics & Product Officer and Co-Founder at Duetto  

Marco Benvenuti. 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.

Sunday, November 22nd, 6:00 – 7:30 pm:  
The International Networking Reception at the Space Needle and visit to Chihulu Gardens and Glass Exhibit*  

The International Networking Reception at the Space Needle is designed to provide a special night at the world famous Space Needle for DSI attendees and guests. The price per person for this event is $20.00, which includes mono-rail transportation, the Space Needle entrance fee, Chihuly Gardens and Glass Exhibit entrance fee, and a private reception including drinks and hor d’oeuvres. The International Net-

Monday, November 23rd, 6:30 – 9:15 pm  
Closing Reception and Awards Dinner Banquet  

DSI attendees will be treated to a stellar closing reception and dinner awards banquet at the conference hotel. The reception will provide an opportunity to relax with colleagues over drinks in a luxurious setting, listening to musical entertainment prior to dinner. This is a “dress-up” affair that will be a fun and rewarding experience for all participants.

DEdicion Line  
October 2015
A Sampling of 2015 DSI Annual Meeting Consortia

The 2015 DSI Annual Meeting will feature several consortia for faculty and PhD students. To provide a flavor of the conference, a sampling of these consortia are highlighted next.

The Pre-Proposal Defense Consortium
Saturday, November 21, 2015

Co-Coordinator: Scott R. Swenseth, University of Nebraska

Coordinator: James Hill, The Ohio State University

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.

Tentative Program on Saturday, November 21, 2015

Joint Consortia LUNCHEON
Noon - 1:00 pm

SESSION 1
The Ph.D. Roadmap: Knowing What to Expect in the Months and Years Ahead
1:00 - 1:50 pm

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.

SESSION 2
Course Selection: Subject Areas and Methodological Tools
2:00 - 2:50 pm

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.

SESSION 3
Entering the Dissertation Stage: Planning Topics, Committee Members and a Timeline
3:00 - 3:50 pm

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.
SESSION 4
Tying it all Together: Time Management, Program Management, and Career Management
4:00 - 4:50 pm

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.

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

The Pre-Proposal Defense Consortium
Saturday, November 21, 2015

Co-Coordinator: Marcus Rothenberger, University of Nevada Las Vegas

Co-Coordinator: G. Keong Leong, California State University Dominguez Hills

The Doctoral Consortium for Post-Proposal Defense Students is for 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, job search issues, placement services, manuscript reviewing, and promotion and tenure. A tentative program is shown below.

Tentative Program on Saturday, November 21, 2015

Joint Consortia LUNCHEON
Noon - 1:00 pm

SESSION 1
The Job Market
1:00 - 2:00 pm

Finding the right faculty position is an inexact science. It can be a long, challenging, and stressful exercise. This session will provide insights into the entire recruiting process. What is the target of the job search: research-oriented, teaching, private, public, or international institutions? What is the best way to sell yourself? What are the ingredients of a good job interview? This session will help participants answer these questions.

SESSION 2
The Business of Academia
2:10 - 3:10 pm

This session focuses on the challenges as you transition from doctoral student to Assistant Professor. What is the right balance between research, teaching, service and personal life? How do you prepare for promotion and tenure? A panel of faculty experts will provide their insights into these issues and more in this session.

SESSION 3
Developing a Strategic Research Plan
3:20 - 4:20 pm

Research is a cornerstone of an academic career. Indeed the pressures to publish are quite apparent and continue to rise. As such developing a research strategy is critical for long-term success. Working in small breakout groups, participants use problem-solving exercises and the help of a breakout session leader to learn how to establish a strategic research plan.

SESSION 4
Early Career Expectations
4:30 - 5:00 pm

This session concludes the Consortium by summarizing the key takeaways and addressing any questions participants might have.

To participate in the Doctoral Consortium for Post-Proposal Defense Students, please send an email to both Co-Coordinators by October 1, 2015: Marcus Rothenberger (marcus.rothenberger@unlv.edu) and G. Keong Leong (gkeong@csudh.edu). The email may come from the student applicant or, preferably, from the faculty advisor. More importantly, the email should:

1. Introduce the student applicant and explicitly indicate the student’s major field of study, progress within the doctoral program, title of dissertation proposal, anticipated graduation date, and contact email information
2. Attach the current curriculum vita of the student

Applications received after October 1, 2015 will be considered only if space is available.

Consortium participants must register for the annual meeting and will be recognized at the 2015 Annual Meeting with a special designation on their name badges. Applications and questions about the 2015 Doctoral Student Consortium for Post-Proposal Defense Students can be directed to the Co-Coordinators.
The DSI Making Statistics More Effective in Schools of Business (MSMESB) Consortium

Co-Coordinator:
Robert L. Andrews,
Virginia Commonwealth University

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 professionals. 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 AASCB to create a Business Analytics Council.

The Project Management Consortium

Co-Coordinator:
Gary Klein, University of Colorado, Colorado Springs

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.

Mid-Career Faculty Development Consortium

Co-Coordinator:
Gyula Vastag,
National University of Public Service, Hungary

Co-Coordinator:
Amit Eynan, University of Richmond

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 within research, pedagogy and administration to help participants figure out which directions are best for them. Participation in the MCFDC is limited. Priority will be given to applications received by October 1, 2015. Applications received afterwards will be considered on a space-available basis. Additional information and registration instructions are available at http://dsi-annualmeeting.org/wp-content/uploads/2013/12/2015-Mid-Career-Faculty-Development-Consortium.pdf

The Project Management Consortium

Co-Coordinator:
Susan Misterek, Metropolitan State University

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A Sampling of 2015 DSI Annual Meeting Workshops

A number of informative and insightful workshops will be held. Several of them are featured below to provide a sample of these events for conference participants.

The “How to Publish in Top-tier Journals” Workshop

Coordinator/Presenter: Ram Narasimhan,
Michigan State University

Presenter: Dan Guide,
Penn State University

Presenter: Morgan Swink,
Texas Christian University

Presenter: Jeet Gupta,
University of Alabama - Huntsville

This workshop will address strategies for publishing successfully in top-tier journals in the decision sciences. The requirements for publishing in top-tier journals are constantly evolving as our disciplines evolve, but what constitutes sound research remains unaltered. Rigor, relevance and research methods are still fundamentally important for researching interesting questions. Good research starts with an interesting research question, the answer to which will yield new insights and make a substantial contribution to the relevant body of knowledge. This has to be followed by a well-conceived plan for executing the research. Methodological approaches might vary depending on insights sought by the researcher. Doing good research takes time and patience. “Learning by doing” is no more relevant than in doing good research. Fundamental principles concerning excellence in research, however, can be learned. Acquainting yourself with these principles early in your career can be extremely useful in achieving publishing success. This special workshop/panel session, chaired by Ram Narasimhan, will feature Jeet Gupta of University of Alabama, Morgan Swink of Texas Christian University, and Dan Guide of Penn State University.

All presenters are well-known scholars in the decision sciences and have extensive editorial experiences. The presenters will address what constitutes research competence and how to acquire it. Their presentations will stress both the science and art of publishing in top-tier journals. Members of the audience will have an opportunity to ask questions and engage the presenters in a dialogue at the end of the formal presentations. This special session would be of interest to doctoral students as well as early-career, junior faculty who aspire to publishing in top-tier journals.

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

Co-Coordinator: Robert L. Andrews,
Virginia Commonwealth University

This workshop is designed to help you realize your desire to become editor of a journal in your discipline at a future point in your career. The workshop will help you to understand the importance of excellent reviewing in achieving such a goal and the actions you can take as a reviewer to make yourself stand out and potentially be tapped for editorship of a core disciplinary journal. Participants will interact with workshop leaders who are former and current editors of major disciplinary journals in the decision sciences to uncover what to do and what not to do in how they complete their reviewing tasks. Johnny Rungtusanatham of The Ohio State University is the coordinator of this workshop.

The Meet the Editors of Decision Sciences Journal Workshop

Coordinator: Tom Stafford,
Memphis State University

The Decision Sciences Journal is undergoing significant changes and improvements as we expand our coverage and operation to both broaden impact and improve range of coverage for our constituents.

This session will be for purposes of informing interested authors and readers about our newly expanded editorial areas and strategic initiatives. We will also be discussing the DSI Board initiative to reduce review cycle time as a strategic initiative to increase journal response and stature.

Of particular interest to participants may be the new initiatives covering the emerging healthcare area and business analytics. We are also interested in fostering dialogue with journal constituents about how the journal may better serve their needs.

See 2015 DSI ANNUAL CONFERENCE, next page
The purpose of this workshop is to give authors who have not previously published in the Decision Sciences Journal of Innovative Education (DSJIE) the opportunity to develop their work in conjunction with members of the editorial team prior to submitting it to the journal. Several factors determine eligibility to be considered for participation in this workshop: 1. Authors or author teams must not have published previously in DSJIE. 2. Submitted manuscripts must not be under publication consideration at any journal before November 30, 2015. 3. Each author or author team can submit only one manuscript to the workshop. If more than one is submitted, only the first one will be considered. 4. At least one author is required to register for and attend the 2015 Annual Meeting of the Decision Sciences Institute. The coordinator of this workshop is Vijay Kannan, Utah State University.

In addition to the sample of events provided above, there are other exciting consortia, workshops, and special panels that will be offered in addition to the paper and abstracts that will be presented across many, interesting tracks/topic areas. More information regarding these events will be provided in the next issue of Decision Line.

Conference in a Glance - Update from Home Office

Dear DSI Member:

The 2015 Annual Meeting of the Decision Sciences Institute is just 52 days away and we are hoping to have the largest number of members present in DSI history.

Whether you have already registered for the event or plan to, we invite you to participate in all of this year’s meals, receptions, and networking opportunities throughout the conference.

Saturday, November 21 Events Include:
- Daily breakfast, 7:30-8:30 am
- New Faculty Development Consortium, 10:00am-5:00pm
- PhD Students Consortium Pre-Proposal Defense, 1:00-5:00pm
- Mid-Career Faculty Development Consortium, 1:00-5:00pm
- PhD Students Consortium Post-Proposal Defense Stage, 1:00-5:00pm
- New Member Welcome Reception, 5:00-6:00pm
- Welcome Reception at the Museum of Flight, 6:00-8:30pm
- Reception: After Glow “Dessert & Cash Bar” Networking Social, 10:00-11:30pm

Sunday, November 22 Events Include:
- Daily breakfast, 7:30-8:30 am
- Keynote: New Frontiers for Improving Campus’ Student Success: Harnessing the Power of a Structural Equation Modeling (SEM) Approach, 10:30am-12:00pm
- DSI Luncheon and Keynote: Game Changing Technology: How One Company is Helping Hotel Owners Make More Profitable Decisions, 12:00-1:30pm
- Optional International Networking Reception at Space Needle, 6:00-7:30pm (sold out)
- DSI After Hours Gathering, 9:00-11:00pm

Monday, November 23 Events Include:
- Daily breakfast, 7:30-8:30 am
- Keynote: Concurrent Production: Producing in Synch with Real Demand, 10:30am-12:00pm
- President’s Gala Reception and Closing Banquet, 5:30-9:00pm

If you have not registered for the event and would like to, there is still time to receive the advanced registration fee which ends October 15, 2015. You can register online today using the DSI website or by contacting the DSI Home Office at info@decisionsciences.org or +1 (713) 743-4815 with any related questions.

Reminder: the last day to register for the conference hotel is October 20, 2015.

Looking forward to a memorable stay in Seattle,

DSI Home Office
The 45th Annual Conference of the Southeastern Decision Sciences Institute (SEDSI) was held February 25-27, 2015, in Savannah, Georgia. The conference program was an enormous success largely due to the leadership of Jason Deane, the 2015 Program Chair. Despite significant snowfall along the eastern corridor, the meeting generated over 108 papers, panels, and workshops in 45 regular sessions. The old-world charm of Savannah, Georgia with its pedestrian-friendly layout provided attendees with a variety of attractions including city tours, unique shops and quaint restaurants specializing in coastal cuisine.

The impressive line-up of sessions embraced the interdisciplinary focus of the Decision Sciences Institute (DSI). Thoughtful sessions allowed attendees to exchange information, ideas, and perspectives on topics such as information risk and security, humanitarian supply chains, healthcare management, and hospitality, recreation, and sports management. This year’s conference continued to offer popular sessions showcasing best practices in innovative teaching and pedagogy in the decision sciences. For example, the Making Statistics More Effective in Schools of Business Track featured demonstrations of software to assist statistics instruction and workshops on how to translate statistics to business. Additional sessions in the Innovative Education, Teaching, and Pedagogy Track focused on the effective use of online courseware and the impact of teaching and learning styles on student success.

In addition to the significant opportunities to discuss research, the conference offered a special session with Dr. Vijay Kannon, the editor of the Decision Sciences Journal of Innovative Education (DSJIE). Participants were able to learn valuable knowledge on how to position their work for possible publication in DSJIE.

The President’s Luncheon (with the kind sponsorship of the University of Denver) offered the perfect end to the conference. Awards for exceptional scholarship and service were handed out to several deserving individuals at the luncheon.

We are a vibrant community of scholars and hope that you will make plans to join us for our 46th Annual Meeting in Colonial Williamsburg from February 17-19, 2016. The conference hotel is the Williamsburg Lodge located at 31 South England Street in Williamsburg, VA 23185. The submission deadline for full papers, abstracts, symposia, tutorials, and workshops is October 12, 2015. Full papers will be blind reviewed and accepted submissions will be published in the Conference Proceedings. Abstracts are generally accepted for presentation and must be 250 to 450 words. For more information about SEDSI, please visit our website at http://www.sedsi.org.

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The Systems Science Approach in Obesity Research

by Saeideh Fallah-Fini, Ph.D., University of California State Polytechnic University, Pomona, and Lawrence J. Cheskin, MD, Johns Hopkins Bloomberg School of Public Health

Widespread prevalence of obesity and its far-reaching effects

With current medical advancements and those anticipated in the future, it seems logical that the current generation of children in America will have a longer lifespan than their parents. But surprisingly, this may not be the case. This alarming health trend is due to the widespread obesity epidemic that increases the risk for other preventable health problems such as type-2 diabetes, heart disease, stroke and certain types of cancer.

Rates of overweight and obesity have increased dramatically around the world. In the past four decades, the percentage of Americans who are obese has doubled to near 35%, and close to two thirds of the population is overweight or obese. Most disturbingly, obesity rates have more than doubled in children and quadrupled in adolescents over the past 30 years [1]. Obesity leads to loss of quality of life and significant costs, both healthcare costs, as well as the cost of unhealthy workforce that will burden competitiveness in the global economy. If obesity continues at the current rate, the costs are predicted to double every 10 years [2]. Over the last decade, various obesity awareness campaigns and prevention programs at the local, state and national levels have helped curb the upward swing in obesity prevalence, yet it remains a serious health threat and much work is left to be done.

Systems approach to address obesity as a complex problem

Multiple levels of factors are involved in creating the obesity problem, varying from individual-level health behaviors to family to work, school, community characteristics to local, state, national, or international policies. Some of these factors include biological, behavioral, cultural, psychosocial, economic, and environmental (such as factors related to the food and physical environment) [3]. These driving factors are interdependent and interact dynamically with substantial individual heterogeneity in terms of both causes and consequences. For both public policies and scientific analysis, obesity should be treated as a complex system in which multiple individual and socio-environmental factors (such as those related to the physical, food, cultural, or economic environment in which people live) affect human behavior.

The complexity of the obesity problem, its dynamic nature, and the lack of agreement on the main drivers of obesity have led to an increasing focus on systems approaches to the study of obesity [4]. A systems approach looks at problems like obesity as a complex network of factors and their interactions, allowing factors at different levels to be studied together, incorporating linkages and feedbacks that cause changes in one area to affect elsewhere in the system. A systems approach enables one to capture the complexities and “big picture” of a problem by simplifying it, while retaining the key characteristics. Systems approach related methods have been recently adopted and adapted by the public health research community due to their strength in assessing and projecting the effectiveness of alternative interventions and policies that can address public health challenges such as obesity.
Effective role of computational methodologies in policy analysis in public health

For many years, the obesity problem has been tackled within individual disciplines. In contrast, the systems approach brings in experts from disciplines not traditionally associated with public health issues, such as computer science, decision science, mathematics and engineering [5]. Incorporating new disciplines will help develop novel approaches and methods (such as computer simulation and computational models, big data techniques, etc.) to allow experts to better capture the complexity of the problem. For examples, computational models can be used to estimate the impact of taxing sugar-sweetened beverages on calorie intake of individuals, prevalence of obesity, and consequently incidence of diabetes and cardiovascular disease for specific populations. In a similar context, computational models can be used to evaluate the effect of specifying calorie content of the menu items in restaurants on the food choice and calorie intake of individuals, and consequently prevalence of obesity in a population. Systems science refers to a family of methodologies (mainly computational modeling and simulation) that enable us to analyze complex systems by looking at the interactions among heterogeneous components of a system at multiple levels, assessing the social, environmental, and organizational context in which these complex phenomena occur, and understanding the complex connections between the structure of the system and its behavior over time [4]. Simulation/computational models can be used as “virtual environments” to examine and understand the trade-offs associated with different obesity policy interventions (e.g., examining the effect of different levels of tax on sugar-sweetened beverages; or placing an intervention alone or in combination with other interventions).

Systems science methodologies can be categorized into several main categories, namely, system dynamics (SD), agent-based modeling (ABM), network analysis (NA), and other computational-mathematical modeling approaches such as Markov modeling, microsimulation, etc. These methods have some overlap; however they approach the study of complex systems in different ways.

System dynamics methodology was developed in the mid-1950s by computer pioneer Jay W. Forrester and is based on the premise that complex behaviors of a system (e.g., population prevalence of obesity) result from the interplay of stocks (key variables in the system representing ongoing accumulations—of people, information, material, or even health characteristics such as BMI), flows (representing rates of change in a stock), as well as balancing and reinforcing feedback mechanisms which connect stocks and flows over time, all of them interacting within the bounded endogenous system [6]. SD is often used for building models that capture the dynamic complexity of aggregate, often macro-level phenomena. For example, in the obesity context we can distinguish people based on their socio-demographic status (e.g. by gender, race, age, income, or education level), as well as their weight group (e.g. normal, overweight or obese) and then track the health characteristics of each one of these subpopulations over time (e.g., change in percentage of non-Hispanic white female who are in normal, overweight, or obese weight categories over a specific time period). SD models are also very useful when we need to emphasize presence of causal feedback mechanisms and unintended consequences of policies/actions in a system. For example, dietary behavior and level of physical activity of individuals in a population affect obesity rates in the population and consequently social norms regarding acceptable body size, which in turn may affect dietary behavior or activity levels of individuals.

Agent-based modeling (ABM) is another methodology that is used to study complex systems from the bottom up. ABM examines a system’s behavior (e.g., percentage of people who are overweight or obese, changes in distribution of body mass index, eating patterns) as a function of properties of individual actors or agents in the system and their interactions, among themselves and with their environment (e.g., percentage of people who are overweight or obese in a population depends on the calorie intake and physical activity of each individual in a population, which in turn is affected by the level of calorie intake and physical activity of people around them, as well as available food choices/restaurants in their environment). As a result of such interactions, the system’s behaviors at both the aggregate and individual levels are observed. Thus, the macro-level patterns in agent-based models are built from the bottom up [7]. Conceptually, ABMs have been specifically useful in modeling and capturing scenarios in which the role of the contextual environment (such as communities and neighborhoods around schools or work) on health behavior of individuals is evaluated. As an example in the obesity context, agent-based modeling can be used to place a group of agents in a social and environmental structure where other agents such as peers and parents, as well as the environment (e.g., food market and prices) affect the individuals’ behavior (e.g., calorie intake and physical activity level). Moreover, heterogeneity amongst individuals can be captured by allowing for diverse metabolic mechanisms and genetics. The adaptive rules defined for agents then govern their health behavior as a result of their interactions with their peers and the environment. Empirical data can be used to calibrate and fine tune agent-based models.

Another systems science methodology is network analysis (NA), including social network analysis. This method mainly focuses on the relationships among sets of actors (such as persons, animals, organizations, etc.) that have some relationship or tie with other actors in the system. Application of network analysis in public health over the past two decades has been mainly focused on disease transmission, social support and social capital, network influences on health behavior, public health service and organizational networks, and the social structure of information diffusion [6]. In the obesity
context, network analysis has been mainly used to study how structures of the social network of individuals affect their health behaviors.

In sum, simulation/computational models in systems science can be used as virtual laboratories for policy analysis. Researchers and policy makers can systematically change various assumptions and explore the predicted impact of various interventions or combinations of intervention (or even design novel ones).

Collaborative efforts for obesity research

As a member of the system science core of Johns Hopkins Global Obesity Prevention Center (GOPC), our research has been mainly focused on using system dynamics methodology to help researchers and policy makers better understand the main drivers of the global obesity epidemic and to evaluate the effect of various obesity interventions and preventive actions. In this capacity and in collaboration with a group of experts and scientists, we have developed an innovative method in system dynamics to connect micro-level dynamics associated with body weight of individuals with macro-level population distribution along the Body Mass Index (BMI) attribute [8]. This method efficiently characterizes the distribution of BMI without explicitly modeling all the individuals in the population. We applied this method to model the distribution of BMI of US adult population and its shifts over the past four decades as well as estimating the energy imbalance gap that can explain such shift in distribution of BMI [9]. The energy imbalance gap represents the average daily excess energy intake, defined as total energy intake minus total energy expenditure for some unit of time. One of the important findings of this research is an indication that no specific gender or race in the U.S. showed a negative or zero energy gap, suggesting that the obesity epidemic continues to worsen, albeit at a slower rate. The results also showed that in the past decade, the epidemic has slowed for non-Hispanic Whites and is starting to slow for non-Hispanic Blacks; however, it continues to accelerate among Mexican Americans, confirming the increase in health disparities by race and ethnicity over the past ten years. Moreover, the epidemic operates at varying paces across different weight groups. We finally recommend tailoring and customizing interventions for various gender-race sub-population to get more effective and sustainable outcomes. In a comparative analysis among developed countries, this method is currently being applied to national health data of UK, Australia, as well as Canada.

The next main step of our research is to explain the estimated energy imbalance gap as a function of socio-environmental factors that have changed in the US over the past decades, such as food system, urbanization, social norms, etc. Thus, we can shed light on the mechanisms through which main drivers of global obesity epidemic have operated over the past decades. In the last step the developed model will be used to evaluate the effect of various interventions on future prevalence of obesity.

Conclusion

Moving to the next generation of public health research, the interdisciplinary team-based approaches to complex dynamics public health problem coupled with the promising computational and simulation modeling techniques drawn from the field of systems science provide a promising avenue for study of the complex obesity problem and for the design of effective interventions and preventive actions.

References

Decision Sciences Journal of Innovative Education: Editor’s Update

by Vijay R. Kannan, Ph.D., Utah State University

I am delighted to report on the progress of the Decision Sciences Journal of Innovative Education. The journal continues to make positive strides and to reinforce its position as one of the leading journals in Management Learning and Education. This would not be possible without the support of a team of Associate Editors that is committed to raising the quality of the review process, reviewers that are constructively helping authors to develop their work, and the DSI Board that supports the direction the journal is going.

Performance Metrics

The journal received 106 new submissions in the last twelve months (through September 30, 2015). Of these, 22% were Teaching Briefs, 25% were Conceptual Research Articles, and 53% were Empirical Research Articles. Summary statistics for new submissions include:

- Mean time to first decision: 63 days, 93% of submissions processed within 90 days.
- Acceptance rate (final decision): 21%
- Desk reject rate (fit, contribution): 28%
- Reject rate (final decision): 31%

During the previous twelve month period, the average time to first decision was 70 days, and 83% of submissions were processed within the 90 day target. While review lead time has decreased, the acceptance rate has increased, largely the result of two special issues that were published this year. Overall, the journal continues to maintain a commitment to quality as further demonstrated by its inclusion, for the first time, in the Association of Business Schools Academic Journal Guide. This is used by academic institutions in Europe to assess the standing of academic journals, and thus influences decisions about where authors submit their work.

Special Issues

The journal published two Special Issues this year. Educational Innovation and Reform in the Decision Sciences Using Multidisciplinary and Collaborative Practices (Vol. 13 No. 2) showcased six articles that offer discipline and geography spanning approaches to pedagogy, and insights into the deployment of technology to facilitate collaboration. Nebil Buyurgan (Missouri State University) and Mary J. Meixell (Quinnipiac University) served as Guest Editors for the issue. Rethinking Undergraduate Business Education: In the Classroom and Beyond (Vol. 13 No. 3) consisted of ten articles that explore how liberal learning and its emphasis on analytical thinking, multiple framing, reflective exploration of meaning, and practical reasoning can be used to enhance the undergraduate business experience. The Guest Editors for the issue were Lynn Perry Wooten (University of Michigan) and Joy Oguntebi Olabisi (Rochester Institute of Technology).

A Call for Proposals for a 2016 Special Issue yielded seven submissions. A review of the proposals by a committee consisting of myself and three Associate Editors resulted in the proposal ‘Identifying and Managing Critical Success Factors of Online Education’ being accepted. Sean Eom (Southeast Missouri State University), Nicholas Ashill (American University of...
Sharjah), and Ben Arbaugh (University of Wisconsin, Oshkosh) are the Guest Editors for the issue which will appear in Volume 14.2. A Call for Proposals for a 2017 Special Issue is currently open with a submission deadline of October 31, 2015.

**Special Issues**

The journal published two Special Issues this year. Educational Innovation and Reform in the Decision Sciences Using Multidisciplinary and Collaborative Practices (Vol. 13 No. 2) showcased six articles that offer discipline and geography spanning approaches to pedagogy, and insights into the deployment of technology to facilitate collaboration. Nebil Buyurgan (Missouri State University) and Mary J. Meixell (Quinnipiac University) served as Guest Editors for the issue. Rethinking Undergraduate Business Education: In the Classroom and Beyond (Vol. 13 No. 3) consisted of ten articles that explore how liberal learning and its emphasis on analytical thinking, multiple framing, reflective exploration of meaning, and practical reasoning can be used to enhance the undergraduate business experience. The Guest Editors for the issue were Lynn Perry Wooten (University of Michigan) and Joy Oguntebi Olabisi (Rochester Institute of Technology).

A Call for Proposals for a 2016 Special Issue yielded seven submissions. A review of the proposals by a committee consisting of myself and three Associate Editors resulted in the proposal ‘Identifying and Managing Critical Success Factors of Online Education’ being accepted. Sean Eom (Southeast Missouri State University), Nicholas Ashill (American University of Sharjah), and Ben Arbaugh (University of Wisconsin, Oshkosh) are the Guest Editors for the issue which will appear in Volume 14.2. A Call for Proposals for a 2017 Special Issue is currently open with a submission deadline of October 31, 2015.

**Recognitions**

Several individuals were recognized for their contributions to DSJIE in 2014:

- Best Teaching Brief: ‘Teaching Supply Chain Management Complexities: A SCOR Model Based Classroom Simulation’, by G. Scott Webb (Brigham Young University), Stephanie P. Thomas (Texas Tech University), and Sara Liao-Troth (Georgia College and State University)
- Outstanding Associate Editors: Bryan Ashenbaum (Miami University, Ohio) and Peter Mykytyn (Southern Illinois University, Carbondale)
- Outstanding Reviewers: Mark King (University of New South Wales) and Stephanie P. Thomas (Texas Tech University).

I will also take this opportunity to recognize several Associate Editors who have taken on additional roles in support of the journal: Ben Arbaugh, John Jensen, Christine Kydd, Ceyhun Ozgur, Susan Palocsay, and Susan Williams.

**Management Learning and Education Community**

DSJIE was represented at the Research in Management Learning and Education ‘Unconference’ in Lima, Peru. The event, now in its third year, brought together scholars from across the globe to stimulate constructive dialog on key issues in management education and initiate new research projects in the domain. The event was a joint effort of the ‘Big Four’ journals in Management Learning and Education: Academy of Management Learning and Education, Journal of Management Education, Management Learning, and DSJIE, and continues the recent tradition of cooperation among the journal editors to bring visibility to scholarship in the domain of management education. DSJIE was also represented at the Academy of Management meeting in Vancouver in August, and in particular, the ‘Teaching and Learning Conference’. The involvement of DSJIE at events such as those in Lima and Vancouver plays an important role in raising awareness of the journal outside its traditional venues. ■

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From DSI ELECTION, page 7

- Doctoral Dissertation Award Committee, Decision Sciences Institute, 1999.
- Doctoral Student Affairs Committee, Decision Sciences Institute, 1998-2000.
- Doctoral Dissertation Award Committee, Decision Sciences Institute, 1998.
- Chair, Doctoral Student Affairs Committee, Decision Sciences Institute, 1997–1998.
- Panel Member, “Mentoring Junior Faculty,” Decision Sciences Institute, San Diego, November, 1997.
- Committee Member, ICIS Doctoral Dissertation Award Committee, 1993 and 1994. ■
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1974-1975 - Albert J. Simone, Rochester Institute of Technology
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INSTITUTE CALENDAR

■ NOVEMBER 2015
November 21 - 24
The 46th Annual Meeting of the Decision Sciences Institute will be held in Seattle, Washington at the Sheraton Seattle Hotel

■ MARCH 2016
March 31 - April 2, 2016
2016 Northeast Decision Sciences Institute Annual Conference
Hilton Alexandria Old Town, Alexandria, VA
### DSI MEMBERSHIP RATES

Based on the DGP per Capita (PPP)

Rates Effective June 1, 2014

All Dues amounts are in United States Dollars

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