

# David L. Olson

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January 2017

**Date of Birth**     October 4, 1944

**Communications**     Office (402) 472-4521     FAX (402) 472-5855     e-mail: dolson3@unl.edu

## Experience

2001 - present: James & H.K. Stuart Professor in MIS, Department of Management, University of Nebraska

1981-2001 Department of Information & Operations Management, Texas A&M Univ.

Lowry Mays Professor of Business     1999-2001

Full Professor     1995

Associate Professor     1987-1995

Assistant Professor     1981-1987

January 1979 - June 1981: Instructor - Management Department, University of Nebraska-Lincoln

March 1970 - January 1979: Engineer/estimator, Missouri Valley Construction, Grand Island, NE

February 1967 - February 1970: US Army Corps of Engineers

June 1966 - February 1967: Industrial engineer, US Steel, Gary, IN

## Education

Ph.D., Interdepartmental Business Area, University of Nebraska-Lincoln 1981  
(Thesis: The Gradient Nonlinear Goal Programming Algorithm for Chance Constrained Multiple Objective Models. Major Professor: Sang M. Lee)

MBA, Kearney State College, 1978

BS, Mathematics, South Dakota School of Mines & Technology, 1966

## Areas of Interest

Management Information Systems, Multiple objective decision making, Goal programming  
Decision analysis, Decision support systems, Simulation

## Honors

James C. and Rhonda Seacrest Fellow	2005-2006
Raymond E. Miles Distinguished Scholar – UNT	2002
James & H.K. Stuart Professorship in MIS (endowment)	2001-
Lowry Mays Professorship (endowment)	1999-2001
Fellow – Decision Sciences Institute	1998
Business Analysis Faculty Excellence Fellowship (endowment)	1995-1997
CBA/GSB Faculty Research Fellow	1992-1993

## Awards

Risk Management Paper of Year 2010 – J of Human and Ecological Risk Management	2010
Best paper award, CONFENIS 2010, Natal, Brazil	2010
Emerald Literati Network Highly Commended Award	2009
Best Enterprise Information Systems Educator, The IFIP TC8 International Conference on Research and Practical Issues of Enterprise Information Systems	2006
Outstanding Paper award, SE DSI	1999
Best Research Paper Award – DSI	1998
Distinguished paper award - SW DSI	1990
Richard D. Irwin Dissertation Fellowship	1980
Beta Gamma Sigma Teaching Excellence Award, UNL	1980

**Editorial Activities** Co-Editor, *International Journal of Service Sciences*  
Associate Editor, Managing Editor, *Services Business*  
Associate Editor, Editorial Advisory Board, *Decision Support Systems*  
Associate Editor, *Decision Sciences*  
Associate Editor, *International Journal of Experimental Algorithms*  
Proceedings editor-DSI International Meeting, Puebla, Mexico  
Editorial Review Board - *Journal of Operations Management* (until 2014)  
Editorial Board – *International Journal of Production Research*  
Editorial Review Board – *Enterprise Information Systems*  
Editorial Review Board - *International Journal of Social & Organizational Dynamics in Information Technology*  
Editorial Review Board – *Grey Systems: Theory and Application*  
Board of Editors - Quarterly *Journal of Business and Economics* (until 2007)  
Editorial Advisory Board – *Global Journal of Enterprise Information System*  
Editorial Board – *Journal of Information Technology and Decision Making*  
Editorial Board – *Journal of Services and Operations Management*  
Editorial Board – *International Journal of Data Mining, Modelling and Management*  
Editorial Board – *Journal of Grey Systems*  
Editorial Board – *International Journal of Information Technology*  
Editorial Board – *Journal of Supply Chain Management Science*  
Editorial Board – *Risk Governance and Control: Financial Markets and Institutions*  
Working Group 8.9 – International Federation of Information Processing Technical Committee  
Track Chair, DSI Annual Meeting, DSS/AI/Expert Systems, 1995; Stat/DA, 2002  
Track Chair, Scalable Enterprise Systems, Diversity of Informatics, 2002  
Cluster Chair, INFORMS Meeting, Multiple Criteria Decision Making, 2000  
Minitrack chair, Data and Text Mining, AMCIS 2004, AMCIS2005, AMCIS2006, AMCIS2007, AMCIS 2008, AMCIS 2009, AMCIS 2010  
Minitrack chair, Data and Text Mining, HICSS2007

Reviewed for JOURNALS:

*Decision Support Systems* (certificate of excellence, 2013)  
*European Journal of Operational Research* (certificate of excellence, 2015)  
*Information Systems Research*  
*Journal of the Operational Research Society*  
*Management Science*  
*ORSA Journal on Computing*  
*IEEE Transactions on Engineering Management*  
*IEEE Transactions on Systems, Man & Cybernetics*  
*Journal of Multicriteria Decision Analysis*  
*Computers and Operations Research*  
*OPSEARCH*  
*Marketing Science*  
National Science Foundation, State of Missouri, Center for Energy and Mineral Resources  
numerous others

*Academy of Management Journal*  
*Operations Research*  
*Organization Science*  
*Annals of Operations Research*  
*Socio-Economic Planning Sciences*  
*OMEGA*  
*Naval Research Logistics*

**Editorial Activities** continued

- Guest editor (with S.M. Lee), special issue of *International Journal of Emergency Management* 3:4, 2006, Information Technology in Emergency Management Systems
- Guest editor (with D. Wu), special issue of *International Journal of Enterprise Network Management* 2:4, 2008 Beijing Olympic Games: The Challenges and Expectations for Enterprises
- Guest editor (with X. Zhu and C. Zhang), special issue: "Data mining," *International Journal of Software and Informatics* 2:2, 2008
- Guest editor (with D. Wu), special issue: "Optimizing risk management – Methods and tools," *Human and Ecological Risk Assessment* 15:2, 2009
- Guest editor (with D. Wu), special issue: "Risk issues in operations: Methods and tools," *Production Planning and Control* 20:4, 2009
- Guest editor (with D. Wu), special section: "Chinese earthquake risk management," *Human and Ecological Risk Assessment* 16:3, 2010
- Guest editor (with D. Wu), special issue: "Innovative CSR: From risk management to value creation," *Journal of Cleaner Production* 18:16/17, 2010.
- Guest editor (with D. Wu, L.A. Seco, and J. Birge), special issue: "Operational research and Asia risk management," *Asia Pacific Journal of OR* 28:1, 2011
- Guest editor (with D. Wu), special issue: "Risk and technology," *Technological Forecasting and Social Change* 77:6, 2010.
- Guest editor (with D. Wu), *Annals of Operations Research* 185:1, 2011.
- Guest editor (with D. Wu and J.R. Birge), special issue: "Risk analysis & reduction and cleaner production," *Journal of Cleaner Production* 19:4, 2011.
- Guest editor (with D. Wu and J. Birge), special issue: Operational Research in Risk Management, *Computers and Operations Research* 39:4, 2011.
- Guest editor (with D.D. Wu and J. Birge), special issue: "Enterprise risk management in operations," *International Journal of Production Economics* 134:1, 2011.
- Guest editor (with D.D. Wu, S.-C. Fang and J.R. Birge), special issue "Optimizing risk management in services," *Optimization* 61:10-12, 2012
- Guest editor (with D.D. Wu and J.R. Birge), special issue, "Optimizing enterprise risk management in industry," *Computers in Industry* 2013
- Guest editor (with D.D. Wu and J.R. Birge), special issue: Risk management in cleaner production," *Journal of Cleaner Production* 53, 2013
- Guest editor (with D.D. Wu), special issue: "Computational simulation and risk analysis," *Mathematical & Computer Modelling* 58:9-10, 2013
- Guest editor (with D. Wu and S.-H. Chen), special issue: "Business intelligence in risk management: Some recent progresses," *Information Sciences* 2011 256:20, 2014
- Guest editor (with J. Birge and J. Linton), special issue "Risk and Uncertainty Management in Technological Innovation," *Technovation* 34:8, 2014.
- Guest editor (with D. Wu), special issue "The State-of-the-art research in 'Behavioral Risk'," *Systems Research and Behavioral Science* 31:4, 2014.
- Guest editor (with D. Wu, L. Xu), special issue "Computational simulation and risk analysis in industry," *IEEE Transactions on Industrial Informatics* 2015
- Guest editor (with D. Wu, A. Dolgui), special issue "Decision making in enterprise risk management (ERM)", *Omega* 57 Part A, 2015
- Guest editor (with D. Wu, J. Birge), special issue "Risk management and operations research," *Annals of Operations Research* 237:1-2, 2016
- Guest editor (with D. Wu, T.-M. Choi), special issue "Risk analytics in industrial systems," *IEEE Systems Journal* 2017

- Ph.D. work** member of over 40 Ph.D. committees, cochair of 2, chair of 4
- Dissertations** Co-chair, Juan Sillero-Perez, Industrial Engineering Department, thesis Multiple Objective Decision Making Using Goal Programming Techniques: An Interactive Microcomputer Approach, 1985
- Supervised**
- Ishwar Murthy, BANA, thesis Parametric Approach to Solving Bicriterion and Singly Constrained Shortest Path Problems, 1987
- John F. Seydel, BANA, thesis Development and Implementation of Multiple Criteria Approaches to Optimization in Construction Bidding, 1990  
**(1991 DSI National Award Winner)**
- Anne Marie Davey, thesis An Empirical Study of the Use of Multiple Criteria Decision Making Models in Group Decision Support, 1993.
- Co-chair, Gary L. Stading, thesis Gaining Sustainable Competitive Advantage through Equipment Selection: The Decision Making Process, 1999.
- James Haylett, thesis Calculating the Real Option Value of an Exploration Mineral Rights Lease Using Monte Carlo Simulation, 2001.
- Kirsten Rosacker, thesis Managing Information Systems Projects within State Government: Factors Critical for Successful Implementation, 2005.
- Qi Fei, thesis Development Of A Bundling And Resource Re-Allocation Model In On Demand Business, 2007
- Miguel Bustamante, thesis Linking Properties of Knowledge and Knowledge Network Topology with Performance, 2007
- Fan Zhao, thesis An Empirical Study of Enterprise System Upgrades, 2007
- Dissertations** Jyri Mustajoki, thesis Interactive Multi-criteria Decision Support – New Tools and Processes for Practical Applications. Helsinki University of Technology, 2006.
- Reviewed**
- Desheng Wu, China University of Science and Technology, 2007.
- Dorina Marhescu, thesis Evaluating Multidimensional Visualization Techniques in Data Mining Tasks, Åbo Akademi University, 2008.
- Nguyen Manh Tuan, Ho Chi Minh University, 2011
- Antti Punkka, thesis Rank-based Information in Multi-attribute Decision and Efficiency Analysis, Aalto University, 2012.
- Peter Sarlin, thesis Mapping Financial Stability, Åbo Akademi University, 2013.
- Subhra Koely, thesis Process Improvement using Value Stream Mapping: Case of Clearing and Forwarding Services Industry at Kolkata, IIT Kharagpur, 2014

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<b>Professional Societies</b>	Decision Sciences Institute	
	The Institute of Management Science	
	Association for Information Systems	
	International Society on Multiple Criteria Decision Making	
	Beta Gamma Sigma - business honorary	
	Alpha Iota Delta - Decision Sciences honorary	
<b>National Service</b>	President, Alpha Iota Delta	2011-2014
	Co-chair, Big XII MIS Symposium, Lincoln	2009
	Co-chair, Midwest Association of Information Systems Conference, Madison, SD	2009
	Co-organizer, Big XII MIS Symposium	2003
	DSI Program Chair	1997
	Coordinator - Ph.D. Curricular Issues Program, DSI	1996
	National DSI Vice President	1989-1991; 1994-1996; 2003-2005
	National DSI Doctoral Affairs Committee	1989-91; 1994-96, chair 1995-96
	National DSI Innovative Education Committee	1986-1988 (chairman 1987-1988)
National DSI Membership Committee	1984-1986	

- Books** D.L. Olson & J.F. Courtney, Jr., *Decision Support Models and Expert Systems* (Macmillan, 1992).  
D.L. Olson & J.F. Courtney, Jr., *Decision Support Models and Expert Systems* (DAME, 1998)  
D.L. Olson, *Decision Aids for Selection Problems* (Springer-Verlag, 1996)  
S.M. Lee & D.L. Olson, *Introduction to Management Science* (DAME, 1997)  
J.R. Evans & D.L. Olson, *Introduction to Simulation and Risk Analysis* (Prentice-Hall, 1998)  
J.R. Evans & D.L. Olson, *Introduction to Simulation and Risk Analysis* in Japanese (Kozo Keikaku Engineering, Inc., 1999)  
J.R. Evans & D.L. Olson, *Introduction to Simulation and Risk Analysis* 2<sup>nd</sup> ed. (Prentice-Hall, 2001)  
S.M. Lee, M.J. Schniederjans & D.L. Olson, *Business Statistics: Quality Information for Decision Analysis* (DAME, 1998)  
J.R. Evans & D.L. Olson, *Statistics, Data Analysis, and Decision Modeling* (Prentice Hall, 2000)  
J.R. Evans & D.L. Olson, *Statistics, Data Analysis, and Decision Modeling*, 2<sup>nd</sup> ed. (Prentice Hall, 2003)  
D.L. Olson, *Introduction to Information Systems Project Management* (Irwin/McGraw-Hill, 2001)  
D.L. Olson, *Introduction to Information Systems Project Management* in Chinese (Shanghai University of Finance and Technology, 2004)  
O.I. Larichev & D.L. Olson, *Multiple Criteria Analysis in Strategic Siting Problems* (Kluwer: New York, 2001)  
S.M. Lee & D.L. Olson, *Introduction to Management Science* 2<sup>nd</sup> ed., (Thomson Publ., 2003)  
D.L. Olson, *Introduction to Information Systems Project Management* 2<sup>nd</sup> ed (Irwin/McGraw-Hill, 2004)  
D.L. Olson, *Managerial Issues of Enterprise Resource Planning Systems* (Irwin/McGraw-Hill, 2004)  
J.R. Evans & D.L. Olson, *Simulation and Risk Analysis* (Prentice-Hall Custom, 2005)  
D.L. Olson, *Managerial Issues of Enterprise Resource Planning Systems* in Chinese (McGraw-Hill Education (Taiwan), 2005)  
S.M. Lee & D.L. Olson, *Introduction to Management Science* 2<sup>nd</sup> ed., (ThomsonCustom, 2005)  
S.M. Lee & D.L. Olson, *Introduction to Management Science* 3<sup>rd</sup> ed., (ThomsonCustom, 2006)  
D.L. Olson & Yong Shi, *Introduction to Business Data Mining* (Irwin/McGraw-Hill, 2006)  
Y. Shi, D.L. Olson & A. Stam, eds., *Advances in Multiple Criteria Decision Making and Human Systems Management: Knowledge and Wisdom*. Berlin: IOS Press, 2007.  
D.L. Olson & Yong Shi, *Introduction to Business Data Mining* (Irwin/McGraw-Hill, 2007) in Chinese  
D.L. Olson & D. Wu, *Enterprise Risk Management*. Singapore: World Scientific, 2008.  
D.L. Olson & D. Delen, *Advanced Data Mining Techniques*. Heidelberg: Springer, 2008.  
D.L. Olson & D. Wu, *New Frontiers in Risk Management*. Heidelberg: Springer, 2008.  
D.L. Olson & S. Kesharwani, *Enterprise Information Systems: Contemporary Trends and Issues*, Singapore: World Scientific, 2010.  
S.M. Lee and D.L. Olson, *Convergenomics: Strategic Innovation in the Convergence Era*, London: Gower Press, 2010.  
D.L. Olson & D. Wu, *Enterprise Risk Management Models*, Heidelberg: Springer, 2010.  
D.L. Olson, *Supply Chain Risk Management*, Business Expert Press, 2012.  
D.L. Olson, *Supply Chain Information Systems*, Business Expert Press, 2012.  
D.L. Olson, *Supply Chain Risk Management* 2<sup>nd</sup> ed., Business Expert Press, 2014.  
D.L. Olson, *Supply Chain Information Systems* 2<sup>nd</sup> ed., Business Expert Press, 2014.  
D.L. Olson & D. Wu, *Enterprise Risk Management* 2<sup>nd</sup> ed., Singapore: World Scientific, 2015.  
D.L. Olson, *Information Systems Project Management* Business Expert Press 2015  
D.D. Wu and D.L. Olson, *Enterprise Risk Management in Finance* Palgrave Macmillan 2015  
D.L. Olson, *Data Mining Models*, Business Expert Press, 2016.  
D.L. Olson and D.D. Wu, *Predictive Data Mining Models*, Beijing: Springer, 2017.  
D.L. Olson and D.D. Wu, *Enterprise Risk Management Models* 2<sup>nd</sup> ed., Heidelberg: Springer, 2017.  
D.L. Olson, *Descriptive Data Mining Models*, Beijing: Springer, 2017.

**Refereed Journal Articles**

- Lee, S.M. & Olson, D.L. "The Challenge of Operations Research in the Developing Country," *Journal of Technology Transfer* **4:2**, Spring 1980, 37-45
- Lee, S.M. & Olson, D.L. "A Multicriteria Model for Regional Planning," *Journal of Technology Transfer* **5:2**, Spring 1981, 43-59.
- Lee, S.M., Luthans, F., & Olson, D.L. "A Management Science Approach to Contingency Theory," *Academy of Management Journal* **25:3**, September 1982, 553-566.
- Lee, S.M. & Olson, D.L. "Chance Constrained Aggregate Blending," *Journal of Construction Engineering and Management* (ASCE) **109:1**, March 1983, 39-47.
- Olson, D.L. "Comparison of Four Goal Programming Algorithms," *Journal of the Operational Research Society* **35:4**, April 1984, 347-354.
- Lee, S.M. & Olson, D.L. "A Multi-Period, Multi-Resource, Multi-Project Scheduling Model for Multiple Objectives," *Project Management Journal*, June 1984.
- Lee, S.M. & Olson, D.L. "Project Scheduling for Multiple Objectives," *Studies in Management Science and Systems* **11** (TIMS), 1985, 123-137.
- Lee, S.M. & Olson, D.L. "A Gradient Algorithm for Chance Constrained Nonlinear Goal Programming," *European Journal of Operational Research* **22**, 1985, 359-369.
- Olson, D.L., Venkataramanan, M. & Mote, J. "A Technique Using Analytic Hierarchy Process in Multiobjective Planning Models," *Socio-Economic Planning Sciences* **20:6**, 1986, 361-368.
- Olson, D.L. & Swenseth, S., "A Linear Approximation for Chance Constrained Models," *Journal of the Operational Research Society* **38:3**, 1987, 261-267.
- Lee, S.M., Cho, Y.K., & Olson, D.L. "Voice Recognition: An Examination of an Evolving Technology and Its Use in Organizations," *Computers and Operations Research* **14:6**, 1987, 457-464.
- Fischer, K., Olson, D.L., & Richard, V. "Political Risk and the Trend for New Investment in the World Aluminum Industry," *Journal of Economic Development* **12:1**, 1987, 117-136.
- Olson, D.L., White, E., & Wei, C.-Y. "Prediction Interval Constrained Programming," *Journal of Quality Technology* **20:2**, 1988, 90-97.
- Mote, J., Olson, D.L., & Venkataramanan, M.A. "A Comparative Multiobjective Programming Study," *Mathematical and Computer Modelling* **10:10**, 1988, 719-729.
- Olson, D.L., "Opportunities and Limitations of AHP in Multiobjective Programming," *Mathematical and Computer Modelling* **11**, 1988, 206-209.
- Venkataramanan, M.A., Mote, J., & Olson, D.L. "An Interactive MOLP Procedure Using Epsilon Constraints," *Computers and Mathematics with Applications* **17:12**, 1989, 1535-1543.
- Lee, S.M., Cho, Y.K., & Olson, D.L. "The Decentralization of Management Science and the Birth of Self-Starters," *Journal of the Operational Research Society* **40:4**, 1989, 323-321.
- D.L. Olson "Response to O'Keefe's Comment on the 'Decentralization of Management Science and the Birth of Self Starters'," *Journal of the Operational Research Society* **40:11**, 1989, 1060-1061.
- Olson, D.L., Shetty, B., Venkataramanan, M.A. & Murthy, I. "Network Reoptimization Procedures for Multiobjective Network Problems," *Annals of Operations Research* **20**, 1989, 219-232.

## Refereed Journal Articles (continued)

- Lee, S.M., Olson, D., Tang, H.-L. & Yen, C.-C. "Formulating Industrial Development Policies: A Zero-One Goal Programming Approach," *International Journal on Policy and Information*, **13**:2, 1989, 77-99.
- Seydel, J. & Olson, D.L. "Bids Considering Multiple Criteria," *Journal of Construction Engineering and Management* **116**:4 (ASCE) Dec 1990, 609-623.
- Olson, D.L. "Chance Constrained Quality Control," *International Journal of Engineering Costs and Production Economics*, **20**, 1990, 165-174.
- Wei, J.C., Olson, D.L. & White, E.M. "Simultaneous Optimization in Process Quality Control via Prediction-Interval Constrained Programming," *Journal of the Operational Research Society*, **41**:12, 1990, 1161-1167.
- Mote, J., Murthy, I., & Olson, D.L. "A Parametric Approach to Solving Bicriterion Shortest Path Problems," *European Journal of Operational Research* **53**, 1991, 81-92.
- Vellore, R.C. & Olson, D.L. "An AHP Application to Computer System Selection," *Mathematical and Computer Modelling* **15**:7, 1991, 83-93.
- Frazier, G.V., Gaither, N. & Olson, D.L. "A Procedure for Dealing with Multiple Objectives in Cell Formation Decisions," *Journal of Operations Management* **9**:4, 1991, 465-480.
- Olson, D.L., "Review of Empirical Studies in Multiobjective Mathematical Programming: Subject Learning and Response to Nonlinear Utility," *Decision Sciences*, **23**:1, 1992, 1-20.
- Flores, B., D.L. Olson & Wolfe, C., "Judgmental Adjustment of Forecasts: A Comparison of Process and Weighting Schemes," *International Journal of Forecasting* **7**, 1992, 421-433.
- Olson, D.L. & Dorai, V.K. "Implementation of the Centroid Method of Solymosi and Dombi," *European Journal of Operational Research* **60**:1, 1992, 117-129.
- Flores, B.E., Olson, D.L. & Dorai, V.K. "Management of Multicriteria Inventory Classification," *Mathematical and Computer Modelling* **16**:12, 1992, 71-82.
- Olson, D.L., "Tchebycheff Norms in Multiobjective Linear Programming," *Mathematical and Computer Modelling* **17**:1, 1993, 113-124.
- Flores, B.E., Olson, D.L. & Pearce, S.L., "Use of Cost and Accuracy Measures in Forecasting Method Selection: A Physical Distribution Example," *International Journal of Production Research* **31**:1, 1993, 139-160.
- Larichev, O.I., Moshkovich, H.M., Mechitov, A.I. & Olson, D.L., "Experiments Comparing Qualitative Approaches to Rank-Ordering Multi-Attribute Alternatives," *Journal of Multi-Criteria Decision Analysis* **2**:1, 1993, 5-26.
- Murthy, I. & Olson, D.L., "An Interactive Procedure using Domination Cones for Bicriterion Shortest Path Problems," *European Journal of Operational Research* **72**, 1994, 417-431.
- Davey, A., Olson, D.L. & Wallenius, J., "The Process of Multiattribute Decision Making: A Case Study of Selecting Applicants for a Ph.D. Program," *European Journal of Operational Research* **72**, 1994, 469-484.



**Refereed Journal Articles** (continued)

- Flores, B.E., Olson, D.L. & Pearce, S.L., "Use of Cost and Accuracy Measures in Forecasting Method Selection: A Physical Distribution Example Revisited," *International Journal of Production Research* **32**:6, 1994, 1491-1497.
- Mechitov, A.I., Moshkovich, H.M., Olson, D.L. & Killingsworth, B., "CLER Knowledge Acquisition Technology: Roots, Main Ideas and Algorithms," *ISA RAN*, Moscow, 1994.
- Mechitov, A.I., Moshkovich, H.M. & Olson, D.L., "Problems of Decision Rule Elicitation in a Classification Task," *Decision Support Systems* **12**, 1994, 115-126.
- Mechitov, A.I., Moshkovich, H.M. & Olson, D.L., "The Role of Rules and Examples in the Process of Knowledge Acquisition in Direct Classification Tasks," *Expert Systems with Applications* **8**:1, 1995, 203-212.
- Olson, D.L., Fliedner, G. & Currie, K., "Comparison of the Rembrandt System with Analytic Hierarchy Process," *European Journal of Operational Research*, **82**:3, 1995, 522-539.
- Larichev, O.I., Olson, D.L., Moshkovich, H.M. and Mechitov, A.I., "Numerical vs. Cardinal Measurements in Multiattribute Decision Making: (How Exact is Enough?)," *Organizational Behavior and Human Decision Processes* **64**:1, 1995, 9-21.
- Mechitov, A.I., Moshkovich, H.M., Olson, D.L. and Killingsworth, B., "Knowledge Acquisition Tool for Case-Based Reasoning Systems," *Expert Systems with Applications* **9**:2, 1995, 201-212.
- Olson, D.L., Schellenberger, R.E. and Mechitov, A.I., "Teaching Knowledge Base Consistency and Completeness," *Journal of Computer Information Systems* **XXXVI**:1, 1995, 7-12.
- Olson, D.L., Moshkovich, H.M., Schellenberger, R. and Mechitov, A.I., "Consistency and Accuracy in Decision Aids: Experiments with Four Multiattribute Systems," *Decision Sciences* **26**:6, 1995, 723-749.
- Schellenberger, R.E., Mechitov, A.I. and Olson, D.L., "Comparison of CIS Curricula in Russian and American Universities," *Education* **117**:2 1996, 297-305.
- Mechitov, A.I., Moshkovich, H. and Olson, D.L., "Computer Systems Illustration of Decision Aid Techniques in CIS Courses," *The Journal of Computer Information Systems* **XXXVII**:4 Summer 1997, 1-7.
- Bose, U., Davey, A.E. and Olson, D.L., "Multi-Attribute Value Methods in Group Decision Support Systems: Past Applications and Future Potential," *Omega* **25**:6 1997, 691-706.
- Moshkovich, H., Schellenberger, R.E. and Olson, D.L., "Data Influences the Result More than Preferences," *Decision Support Systems* **22**:1 1998, 73-84.
- Davey, A. and Olson, D.L., "Multiple Criteria Decision Making Models in Group Decision Support," *Group Decision and Negotiation* **7**, 1998, 55-75.
- Olson, D.L., Mechitov, A.I. and Moshkovich, H., "Cognitive Effort and Learning Features of Decision Aids: Review of Experiments," *Journal of Decision Systems* **7**:2 1998, 129-146.
- Butler, J. and Olson, D.L., "Comparison of Centroid and Simulation Approaches for Selection Sensitivity Analysis," *Journal of Multicriteria Decision Analysis* **8**:3, 1999, 146-161.

## Refereed Journal Articles (continued)

- Stading, G., Flores, B. and Olson, D., "Understanding Managerial Preferences in Selecting Equipment," *Journal of Operations Management* **19**:1, 2001, 23-37.
- Murthy, I., Olson, D.L., Ross, A., and Venkataramanan, M., "Bicriterion Distribution Planning for Agricultural Power Fuels," *Information Systems and Operational Research* **39**:1, 2001, 4-16.
- Olson, D.L. "Rationality in Information Systems Support to Decision Making," *IS Frontiers* **3**:2, 2001, 239-248. Also in electronic journal *Foundations of Information Systems*.
- Olson, D.L., "Comparison of Three Multicriteria Methods to Predict Known Outcomes," *European Journal of Operational Research* **130**:3, 2001, 576-587.
- Shepetukha, Y. and Olson, D.L., "Comparative Analysis of Multiattribute Techniques Based on Cardinal and Ordinal Inputs," *Mathematical and Computer Modelling* **34**(1-2), 2001, 229-241.
- Seydel, J. and Olson, D.L., "Multicriteria Support for Construction Bidding," *Mathematical and Computer Modelling* **34** 2001, 677-702.
- Moshkovich, H.M., Mechitov, A.I., and Olson, D.L. "Ordinal Judgments in Multiattribute Decision Analysis," *European Journal of Operational Research* **137**:3, 2002, 625-641.
- Moshkovich, H.M., Mechitov, A.I., and Olson, D.L. "Rule Induction in Data Mining: Effect of Ordinal Scales," *Expert Systems With Applications* **22**:4, 2002, 303-311.
- Mechitov, A.I., Moshkovich, H. and Olson, D.L., "The Master's Degrees in E-Commerce: A Survey Study," *The Journal of Computer Information Systems* **42**:4, Summer 2002, 29-34.
- Huy, V.V., Chae, B., and Olson, D.L., "Dynamic MCDM: The case of urban infrastructure decision making," *International Journal of Information Technology and Decision Making* **1**:2, 2002, 269-292.
- In, H.P. and Olson, D. "Requirements negotiation using multi-criteria preference analysis," *Journal of Universal Computer Science* **10**:4, 28 April 2004, 306-325.
- Lee, S.M. and Olson, D.L. "Goal Programming Formulations for a Comparative Analysis of Scalar Norms and Ordinal vs. Ratio Data," *Information Systems and Operational Research* **42**:3, 2004, 163-174.
- Yang, K.H., Olson, D., and Kim J., "Comparison of first order predicate logic, fuzzy logic and non-monotonic logic as knowledge representation methodology," *Expert Systems with Applications*, **27**:4, December 2004, 501-519.
- Olson, D.L., Dimitrova-Davidova, P., and Stoykov, I., "Systems dynamics model of a transition firm," *Managerial Finance* **31**:8, 2005, 67-80
- Olson, D.L. "Comparison of weights in TOPSIS models," *Mathematical and Computer Modelling* **40**:7-8, 2005, 721-727.
- Olson, D.L., Chae, B., and Sheu, C. "Issues in Multinational ERP Implementation," *International Journal of Service and Operations Management* **1**:1, 2005, 7-21.
- Froelich, J., Ananyan, S. and Olson, D.L. "Business intelligence through text mining," *Business Intelligence Journal*, **10**:1, 2005, 43-50

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- D.L. Olson, continuation of above grant, Summer 1985, Center for International Business Studies, TAMU, \$2,742.
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- D.D. Wu and D.L. Olson, "The State-of-the-art Research in 'Behavioural Risk': An Introduction to the Special Issue," *Systems Research and Behavioral Science* 31:4, 2014, 483-486.
- D.D. Wu, D.L. Olson, A. Dolgui, "Decision Making in Enterprise Risk Management," *Omega* 57 Part A, 2015, 1-4.

**Conference Organizing**

- DSI Doctoral Dissertation Competition Coordinator 1987
- DSI Innovative Education Competition Coordinator 1988
- DSS/AI/Expert Systems track chair, Boston DSI meeting, November 1995
- INFORMS session chair, Washington meeting, May 1996
- DSI Ph.D. Program Curricular Issues, Orlando DSI meeting, November 1996
- Program chair, San Diego DSI meeting, November 1997
- Program co-chair, Shanghai, June 2007
- INFORMS cluster chair, San Antonio meeting, November 2000
- Organized Scalable Enterprise Systems track, Nebraska EPSCoR conference, April 2002
- Statistics and Decision Analysis track chair, San Diego DSI meeting, November 2002
- Co-Organizer of 1<sup>st</sup> Big XII Management Information Systems Symposium, April 2003
- Data Mining minitrack chair, AMCIS, August 2004, 2005, 2006
- Data Mining track, HICSS, January 2007
- Numerous sessions organized
- Numerous program committees
- Big XII Plus MIS symposium, April 2009 conference co-chair
- Midwest AMCIS, May 2009 conference co-chair

**Conference Presentations**

- G.I. Green, D.L. Olson, & K. Whitaker, "A Goal Programming Application to Agribusiness," Nebraska Economics and Business Association, October 1979
- S.M. Lee & D.L. Olson, "Management Science Support to Contingency Theory," *Proceedings Southeast AIDS*, February 1981
- S.M. Lee & D.L. Olson, "A Multiperiod, Multiresource, Multi-Project Scheduling Model for Multiple Objectives," *Proceedings The Academy of Management*, August 1981
- S.M. Lee & D.L. Olson, "A Multicriteria Model for Regional Economic Planning," *Proceedings AIDS*, November 1981
- S.M. Lee & D.L. Olson, "Consideration of Variance in Capital Budgeting Optimization Models with Multiple Objectives," *Proceedings, American Institute of Industrial Engineering*, December 1981
- D.L. Olson, "Computational Comparison of Goal Programming Algorithms," ORSA/TIMS, October 1982
- S.M. Lee & D.L. Olson, "A Gradient Algorithm for Chance Constrained Nonlinear Goal Programming," *Proceedings AIDS*, November 1982 (**distinguished paper finalist**)
- L.W. Glorfeld & D.L. Olson, "Using the L1 Metric for Robust Analysis of the Two Group Discriminant Problem," *Proceedings AIDS*, November 1982
- D.L. Davis & D.L. Olson, "A New Role in Organizational Communications: The Information Communication Function for Management Information Systems," *Proceedings Southwest Academy of Management*, March 1983
- D.L. Olson, V. Richard, & K. Fischer, "Network Model of the World Primary Aluminum Industry," ORSA/TIMS, November 1983
- S.M. Lee & D.L. Olson, "Risk Avoidance Forms in Goal Programming," *Proceedings AIDS*, November 1983
- S.M. Lee, D.L. Olson, & V. Richard, "Network Goal Programming for Project Scheduling," *Proceedings AIDS*, November 1983
- D.L. Olson, "Multiple Objective Programming," *Proceedings Southwest AIDS*, March 1984
- D.L. Olson & K. Fischer, "Consideration of Multiple Objectives in Primary Aluminum Investment," The Pan-Pacific Conference, March 1984
- D.L. Davis & D.L. Olson, "Variance in Decision Support System Design Due to Organizational Style," The Pan-Pacific Conference, March 1984
- D.L. Olson, "Analytic Models for Business Decisions," *Proceedings AIDS*, November 1984 (**innovative education competition finalist**)
- L. Glorfeld & D.L. Olson, "Robust Analysis of the Multiple Group Discrimination Problem Based on the L1 Norm," *Proceedings AIDS*, November 1984
- D.L. Olson, J. Mote, & K. Muralidhar, "Limitations of Using Linear Programming as an L1 Metric Discriminant Analysis Procedure," *Proceedings AIDS*, November 1984
- D.L. Olson, "Utility Treatment in Multi-Criteria Optimization," ORSA/TIMS, November 1984

**Conference Presentations** (continued)

- D.L. Olson, "Multiple Objective Programming Procedures Applied to Goal Programming," TIMS/ORSA, May 1985
- L. Glorfeld & D.L. Olson, "Identifying Economic Policy Periods by Exact Optimization," TIMS/ORSA, May 1985
- B.H. Billman, N. Gaither, & D.L. Olson, "A DSS for Lot Sizing Decisions," *Proceedings Southwest AIDS*, Spring 1985
- M. Venkataramanan, D.L. Olson, & J. Mote, "A Multiple Objective Search Technique Utilizing Analytical Hierarchy Process," ORSA/TIMS, November 1985
- D.L. Olson & J. Wei, "Chance Constrained Aspects of Quality Control," ORSA/TIMS, November 1985
- D.L. Olson & I. Murthy, "Multiobjective Techniques for Network Analyses," TIMS/ORSA, April 1986
- D.L. Olson & D. Smith, "An Interactive Microcomputer Goal Programming System," ORSA/TIMS, April 1986
- I. Murthy, D.L. Olson & J. Mote, "A Bicriterion Shortest Path Algorithm," ORSA/TIMS, October 1986
- D.L. Olson & L. Glorfeld, "Variable Selection for Robust Discriminant Analysis Based on the L1 Metric," *Proceedings DSI*, Fall 1986
- S.M. Lee, Y.K. Cho, & D.L. Olson, "Voice Recognition: An Examination of an Evolving Technology and Its Use in Organizations," *Proceedings Western DSI*, Spring 1987
- M. Venkataramanan, B. Shetty, D.L. Olson, & I. Murthy, "Network Reoptimization Procedure on the Multiobjective Network Problem," TIMS/ORSA, Spring 1987
- I. Murthy, D.L. Olson, & M. Venkataramanan, "An Algorithm for the Singly Constrained Shortest Path Problem," TIMS/ORSA, Spring 1987
- D.L. Olson, "Opportunities and Limitations of AHP in Multiobjective Programming," Sixth International Conference on Mathematical Modeling, Summer 1987.
- D.L. Olson & R. Sarathy, "Controlled Search in Generating Alternate Solutions in Multiobjective Programming," ORSA/TIMS, Fall 1987
- D.L. Olson, "Probabilistic Goal Programming for Quality Control," TIMS/ORSA, Spring 1988
- I. Murthy, D. Olson and J. Mote, "Polynomial Approximation Methods to Solve Bicriterion Shortest-Path Problems," TIMS/ORSA, Spring 1988
- D.L. Olson, "Multiobjective Considerations in Network Models," ORSA/TIMS, Fall 1988.
- D.L. Olson, J. Mote and M.A. Venkataramanan, "A Comparison of Multiobjective Programming Reflection of Utility," *Proceedings, DSI*, November 1988.
- D.L. Olson, "Analytic Hierarchy Process in Developing Combined Objective Functions," *Proceedings DSI*, November 1988
- D.L. Olson, E. White and J. Wei, "Simultaneous Optimization in Process Quality Control via Prediction-Interval Constrained Programming," *Proceedings DSI*, November 1988

**Conference Presentations** (continued)

- J.M. Carey, D.L. Olson, and D. Paradise, "ICRSS: Interactive Conflict Resolution Support System for Inter-Group Situations," *Proceedings HICSS*, January 1989
- I. Murthy and D.L. Olson, "On the Use of Domination Cones in Bicriterion Shortest Path Problems," *ORSA/TIMS*, October 1989
- S. Pearce and D.L. Olson, "Evaluation of Combined Forecasting through Simulation," *DSI*, November 1989
- D.L. Olson, "Chance Constrained Quality Control," *Proceedings Multiple Criteria Decision Making: Applications in Industry and Service*, M.T. Tabucanon and V. Chankong, eds. (Bangkok: AIT, 1989), pp. 243-257.
- J. Seydel and D.L. Olson, "Using the Analytic Hierarchy Process to Determine Optimal Markup Amounts in Competitive Bidding Situations Considering Multiple Criteria," *Southwest DSI*, Feb-Mar 1990. **(distinguished paper award)**
- G. Frazier, N. Gaither and D.L. Olson, "Multiobjective Facets of Cell Formation in Cellular Manufacturing," *TIMS/ORSA*, Spring 1990.
- B.E. Flores, D.L. Olson and C. Wolfe, "Judgmental Adjustment of Forecasts: A Comparison of Methods," Tenth International Symposium on Forecasting, June 1990.
- B.E. Flores, D.L. Olson and J. Seydel, "Multiobjective Evaluation of Electric Plant Generating Size," IXth International Conference - Multiple Criteria Decision Making, Aug 1990.
- D.L. Olson, A. Dillinger and L.A. Wolfskill, "Preference Cone Response to Nonlinear Utility," *ORSA/TIMS*, Fall 1990.
- D.L. Olson and S. Pearce, "A Chance Constrained Model of Microchip Quality Control," *ORSA/TIMS*, Fall 1990.
- D.L. Olson, A. Dillinger and A. Wolfskill, "A Simulated Study of Preference Cone Stability under Varying Utility Forms," *Proceedings DSI*, November 1990.
- D.L. Olson, "The Centroid Extension to AHP," International Symposium on AHP-II, August, 1991, *Proceedings* 29-40.
- D.L. Olson, "Consideration of Tchebycheff Norms in Multiobjective Programming," *Proceedings DSI*, November 1991.
- J.F. Seydel and D.L. Olson, "An AHP-Based System to Support Construction Bidding with Multiple Objectives," *Proceedings DSI*, November 1991.
- D.L. Olson and A. Dillinger, "Alternative MCDM Approaches to Aid Group Decision Support Systems," Symposium on Decision Making, Monterey California, November 1992.
- R.L. Bregman, A. Graves and D.L. Olson, "A Goal-Programming Approach to Scheduling Educational Services," *Proceedings DSI*, November 1992.
- D.L. Olson and A. Dillinger, "Group Decision Support Systems & Multicriteria Decision Making," *Proceedings* table topic, *DSI*, November 1992.

**Conference Presentations** (continued)

- D.L. Olson and J.K. Ellisor, "Multiple Objective Selection Alternatives in Cell Formation Decisions," TIMS/ORSA, May 1993.
- A.M. Davey and D.L. Olson, "A Comparative Study of Multiple Criteria Group Decision Support Models," ORSA/TIMS, October 1993.
- K. Currie, E. Fliedner and D.L. Olson, "Use of Alternative Techniques to Aid a Group Text Selection," *Proceedings DSI*, November 1993.
- H. Moshkovich, A. Mechitov and D.L. Olson, "Comparison of Multicriteria Selection Techniques," *Proceedings DSI*, November 1993.
- U. Bose, D. Olson and A. Davey, "Aggregation of Individual Preferences in Group Decision Making using MAU Method," ORSA/TIMS, October 1994.
- A. Mechitov, D.L. Olson and B.L. Killingsworth, "Classification by Rules and Examples," *Proceedings DSI*, November 1994.
- A. Mechitov, H. Moshkovich and D.L. Olson, "Comparison of Selection Aids," *Proceedings DSI*, November 1995.
- A. Mechitov, H. Moshkovich and D.L. Olson, "A System for Classification by Rules and Examples," INFORMS May 1996.
- D. Olson, A.I. Mechitov and H. Moshkovich, "Comparison of AHP with Six Other Selection Aids," International Symposium on the Analytic Hierarchy Process, July 1996.
- A.I. Mechitov, H.M. Moshkovich & D.L. Olson, "Problems of Multicriteria Decision Aid Techniques Implementation: Experimental Results," Southeast INFORMS, October 1996.
- D. Olson, H. Moshkovich, A.I. Mechitov and R. Schellenberger, "Use of Ordinal Judgments to Rank Multiattribute Alternatives," *Proceedings, DSI*, November 1996.
- G.L. Stading and D.L. Olson, "Comparing Dispatch Scheduling Methods in Multiple Shop Types," *Proceedings, Southwest DSI*, March 1997, 78-80.
- D.L. Olson, A. I. Mechitov & H. Moshkovich, "Comparison of MCDM Paradigms," *Proceedings International Conference on Methods and Applications of Multicriteria Decision Making*, Mons, Belgium, May 14-16, 1997.
- H.M. Moshkovich, A.I. Mechitov, D.L. Olson & R.E. Schellenberger, "Some Aspects of Multicriteria Decision Technique Implementation," *Proceedings, DSI*, November 1997.
- D.L. Olson, "The Centroid Method as a Means of Analysis of the Sensitivity of Weight Elicitation," INFORMS, April 1998.
- A.I. Mechitov, H.M. Moshkovich, D.L. Olson & R.E. Schellenberger, "Step-ZAPROS: An Iterative Procedure for Ranking Multiattribute Alternatives Through Ordinal Judgments," 14<sup>th</sup> International MCDM Conference, June 1998.
- D.L. Olson, A.I. Mechitov and H.M. Moshkovich, "Multicriteria Decision Aid Techniques: Some Experimental Conclusions," 14<sup>th</sup> International MCDM Conference, June 1998.



**Conference Presentations** (continued)

- D.L. Olson and J. Butler, "Multiobjective Analysis of Excess Plutonium Disposal," 14<sup>th</sup> International MCDM Conference, June 1998.
- G.L. Stading and D.L. Olson, "Factors in Strategic Use of Capacity: An Experimental Analysis," *Proceedings*, DSI, November 1998.
- D.L. Olson, A.I. Mechitov and H.M. Moshkovich, "Decision Aid Support of Learning," *Proceedings*, DSI, November 1998.
- H.M. Moshkovich, A.I. Mechitov and D.L. Olson, "Ordinal Judgments in Multiattribute Decision Analysis and Their Effectiveness," *Proceedings*, DSI, November 1998. **Best Paper Award**
- A.I. Mechitov, H.M. Moshkovich and D.L. Olson, "Using Decision Aid Systems: Review of Experimental Studies. SE DSI, February 1999. **Best Paper Award**
- D.L. Olson and G.L. Stading, "An Experimental Analysis of a Capacity Equipment Expansion Decision Using MAU," INFORMS, May 1999.
- D.L. Olson, "Multiple Criteria Studies of Waste Management," IFORS, Beijing, China, August 1999.
- D.L. Olson, "Cross-Fertilization of MCDA Methods," (invited panel member) IFORS, Beijing, China, August, 1999.
- D.L. Olson, "Variety in Decision Support Systems," invited panel member, *Proceedings*, DSI, November 1999.
- G.L. Stading, D.L. Olson & B. Flores, "Choosing Equipment Using Multiattribute Utility Analysis: A Capacity Selection Procedure," *Proceedings*, DSI, November 1999.
- H.M. Moshkovich, A.I. Mechitov & D.L. Olson, "Ordinal Judgments for Comparison of Two Alternatives," *Proceedings*, DSI, November 1999.
- D.L. Olson, A.I. Mechitov & H.M. Moshkovich, "Learning Aspects of Decision Aids," 15<sup>th</sup> International Conference on MCDM, Ankara, Turkey, July 2000.
- D.L. Olson, "Philosophical Aspects of Multiple Criteria Decision Making," 15<sup>th</sup> International Conference on MCDM, Ankara, Turkey, July 2000.
- D.L. Olson, "Inquiring Systems Aspects of MCDA Methods," EURO2000, Budapest, Hungary, July 2000.
- D.L. Olson and O.I. Larichev, "Multiattribute Methods Applied to Waste Management," EURO2000, Budapest, Hungary, July 2000.
- D.L. Olson, "Preference Issues in Group Decision Making," INFORMS, November 2000.
- G.L. Stading, B.E. Flores, and D.L. Olson, "Using Multiattribute Utility Analysis to Understand Attribute Value in the Equipment Selection Process," *Proceedings*, DSI, November 2000.
- D.L. Olson, "Web Distributed Products to Support Decisions," *Proceedings*, DSI, November 2000.
- In, H., Kazman, R., and Olson, D.L., "From Requirements Negotiation to Software Architectural Decisions," STRAW'01 – First International Workshop from Software Requirements to Architecture, Toronto, Canada, 2001.

**Conference Presentations** (continued)

- D.L. Olson and J. Carlisle, Hermeneutics in Information Systems, Proceedings of the 2001 – *Seventh Americas Conference on Information Systems*, August 2001.
- D.L. Olson, “Subjectivity in Preference Measurement,” *INFORMS*, November 2001
- G.L. Stading and D.L. Olson, “A Framework for Facility Layout Analysis,” *DSI*, November 2001.
- H.M. Moshkovich, A.I. Mechitov, & D.L. Olson, “Rule Induction in Data Mining: Some Representational Implications,” *DSI*, November 2001.
- G.L. Stading, B.E. Flores, & D.L. Olson, “Understanding the Effects of Competitive Priorities on the Capital Equipment Decision,” *DSI*, November 2001.
- H. In, D.L. Olson, and T. Rodgers, “Multi-Criteria Preference Analysis for Systematic Requirements Negotiation,” *Proceedings of the 26<sup>th</sup> Annual International Computer Software and Applications Conference (Compsac 2002)*, August 2002, University of Oxford, England, 887-892.
- D.L. Olson, S. Elbaum, S. Goddard, and F. Choobineh, “An E-Commerce Decision Support System Design for Web Customer Retention,” *Proceedings of the 2002 – Eighth Americas Conference on Information Systems, 2002*, 201-207
- D. Ball and D.L. Olson, “Conjoint Analysis and MCDA in Physician Preference Analysis,” *DSI*, November 2002.
- D.L. Olson, S.M. Lee, S. Trimi, and K. Rosacker, “Systems-Based Process Reengineering in Demand Chains,” *Proceedings of the 2003 - Ninth Americas Conference on Information Systems, 2003*.
- D.L. Olson, M. Johnson, M.F. Shipley, and N. Yankov, “Improving Strategic Decision Making in Transitional Economies: A Systems Dynamics Model of a Bulgarian Firm.” *DSI Proceedings 2003*.
- A. Mechitov, H. Moshkovich, and D.L. Olson, “Teaching Data Mining In Business Classes: Some Methodological and Practical Considerations,” *DSI Proceedings 2003*.
- K.M. Rosacker and David L. Olson, “State Government E-Procurement: A Simulation Perspective,” *Midwest DSI*, April 2004.
- D.L. Olson, “Data Set Balancing,” *Chinese Academy of Sciences Symposium on Data Mining and Knowledge Management*, Beijing, July 2004.
- K.M. Rosacker and D.L. Olson, “State Government E-Procurement: A Simulation Evaluation,” *Proceedings of the 2004 – Tenth Americas Conference on Information Systems, 2004*, 946-952.
- K.M. Rosacker and David L. Olson, “An Exploratory Investigation of Information Technology Project Selection Methodologies in State Government,” *DSI*, November 2004.
- H.M. Moshkovich, A.I. Mechitov, and D.L. Olson, “Verbal Decision Analysis and Multi Attribute Utility Theory: Comparison,” *DSI*, November 2004.
- Yanhong Li and D.L. Olson, “Fuzzy Weighted Association Rules,” *Pan-Pacific*, May 2005.

**Conference Presentations** (continued)

- B. Chae, C. Sheu, D.L. Olson, & H.-J. Yen, "Global Variety and Multinational ERP Project Management," 9<sup>th</sup> International Conference on Global Business & Economic Development, Seoul, Korea, 23-25 May 2005.
- D.L. Olson, "Decision Making with Uncertainty and Data Mining," The 1<sup>st</sup> International Conference on Advanced Data Mining and Applications (ADMA2005), **keynote address**, Wuhan China, July 2005.
- B. Chae, Ki-Joon Back, David Olson and Joungae Pu, "Hospitality Enterprise Systems" 11th Annual Conference: New Tourism for Asia-Pacific, July 7-10, 2005 in Goyang, Korea
- Bongsug Chae, Chwen Sheu and David Olson, "Multinational ERP Project Management" Academy of Management, New Orleans, August 2005.
- S. Ananyan & D.L. Olson, "Potential and Issues of Evidence-Based Medicine," INFORMS, October 2005.
- D.L. Olson and F. Zhao, "Critical Success Factors in ERP Upgrade Projects," CONFENIS, April 2006.
- K. Rosacker and D.L. Olson, "Impact of the Government Performance and Results Act of 1993 on Internal Decision Making within Agencies: An Institutional Perspective," Midwest Decision Sciences, April 2006.
- D.L. Olson, M. Xie and M. Shin, "Lean System Extensions Beyond Manufacturing," Pan Pacific Conference, May 2006.
- M. Xie and D.L. Olson, "Modeling and Values of Vendor Managed Inventory in the Retail Supply Chain," IEEE International Conference on Service Operations and Logistics, and Informatics, 21-23 June 2006, *Proceedings* 465-470.
- D.L. Olson, "Information Technology in Supply Chains," DSI, November 2006.
- Qi Fei and David Olson, "An Economics Perspective of Web Service Composition Strategy" 37<sup>th</sup> Annual Meeting of the Decision Sciences Institute, 2006.
- K. Rosacker and D.L. Olson, "Information Technology Project Management Across Lifecycle Phase," 37<sup>th</sup> Annual Meeting of the Decision Sciences Institute, *Proceedings*, 2006.
- D.L. Olson and Yanhong Li, "Mining Fuzzy Weighted Association Rules," 40<sup>th</sup> Hawaii International Conference on Systems Sciences (HICSS-40), January 2007.
- D.L. Olson, H.M. Moshkovich and A.I. Mechitov, "An Experiment with Fuzzy Sets in Data Mining," 7<sup>th</sup> International Conference on Computational Science, Beijing, 27-29 May 2007.
- D.L. Olson, D. Wu, "Enterprise risk management and supplier selection," **keynote address**, 1<sup>st</sup> International Conference on Management Innovation, Shanghai, 4-6 June 2007.
- D.L. Olson and D. Wu, "Enterprise risk management: A demonstration of multiple criteria analysis in information system risk, 1<sup>st</sup> International Symposium on Technology Innovation, Risk Management and Supply Chain Management (TIRMSCM 2007), Beijing, 1-3 November 2007.
- M. Bustamante and D. Olson, "What function does knowledge acquisition and learning serve in providing firms with a competitive advantage: An empirical inquiry," proceedings Decision Science Institute, November 2007.

- F. Zhao, D.L. Olson, "Evaluation of ERP project success from CIO's perceptions," 38<sup>th</sup> Annual Meeting of the Decision Sciences Institute, November 2007.
- M. Bustamante and D. Olson. "Linking knowledge properties and knowledge network topology with performance," NEDSI 2008.
- D.L. Olson and D. Wu, "Multiple criteria analysis for evaluation of information system risk," Enterprise Risk Management 2008, April 2008, Chicago.
- D.L. Olson, "Enterprise risk management in supply chain environments," Pan Pacific Conference, Costa Rica, May 2008.
- M.F. Shipley, D. Olson and A. de Korvin, "Using fuzzy logic based evidence for Bulgarian winery market competitiveness," North American Fuzzy Information Processing Society 2008, May 19-21, New York.
- D.L. Olson, "Subjectivity in decision analysis," **keynote address**, Human Centered Processes (HCP-2008), Delft, the Netherlands, June 2008.
- D.L. Olson, "Risk management models for supply chain outsourcing," 18<sup>th</sup> International Conference on Flexible Automation and Intelligent Manufacturing, Skövde, Sweden, June-July 2008.
- D.L. Olson, D. Wu, "Earthquakes and risk management," **keynote address**, 2008 International Conference on Risk Management and Engineering Management, North China Electric Power University, Beijing, Nov. 2008.
- D.L. Olson, D. Wu, "Enterprise risk management: Coping with model risk," *Proceedings* 2008 International Conference on Risk Management and Engineering Management, North China Electric Power University, Beijing, Nov. 2008, 1-13.
- D.L. Olson, D. Wu, "Enterprise Risk Management in E-Business," **keynote address**, 2009 3<sup>rd</sup> Conference on Risk Management & Global e-Business (RMED2009), Incheon, Republic of Korea, August 10-11, 2009.
- D.L. Olson, D. Wu, "Portfolio optimization with conditional value-at-risk and chance constraints," URPDM 2010, Coimbra, Portugal, 14-16 April 2010.
- D.L. Olson, "New frontiers in enterprise risk management," Finnish OR Society, Helsinki, 27 May 2010.
- D.L. Olson, S. Kesharwani, "Contemporary trends in enterprise information systems," **keynote address**, 12<sup>th</sup> International Conference on Enterprise Information Systems, Madeira, 8-12 June 2010.
- D.L. Olson, J. Staley, "Case study of open source ERP evaluation in a small business," CONFENIS 2010, Natal, Brazil 25-27 Aug 2010 – **best paper award**.
- D.L. Olson, D. Wu, "Multiple criteria philosophy and value-at-risk, MCDM 2011, Jyväskylä, Finland, 13-16 June 2011.
- D. Olson, B. Johansson and R. Atem de Carvalho. A combined method for evaluating criteria when selecting ERP systems, CONFENIS 2011, Aalborg, Denmark, October 2011.
- D. Olson, V. Vo Van Huy and Nguyen Manh Tuan, Case of development of a small business ERP consultant knowledge base, CONFENIS 2011, Aalborg, Denmark, October 2011.

- D.L. Olson, D. Wu, "Broader perspectives of risk management," The First 3-C Risk Forum & 2011 International Conference on Engineering and Risk Management, October 2011, Toronto  
**keynote address, best paper award.**
- B. Chae, D.L. Olson, "IT-enabled Services as Complex Adaptive Service Systems: A Co-evolutionary View of Service Innovation," ICIS 2011 paper 10, Shanghai, Dec 2011.
- D.L. Olson, B. Johansson and R. Atem de Carvalho, "Open source business model framework," FAIM 2012, Helsinki, June 2012.
- D.L. Olson, B.K. Chae and C. Sheu, "Manufacturing planning systems use for strategic planning," CONFENIS 2012, Ghent, Belgium, September 2012
- D. Batur, F. Choobineh, D.L. Olson, "Selection of the best portfolio based on value-at-risk," Decision Sciences Institute, San Francisco CA, November 2012
- D.L. Olson, "Management science modeling of risk in 21<sup>st</sup> Century supply chains," The 2013 International Conference in Management Sciences and Decision Making, Tamkang University, Taiwan, 18 May 2013, **keynote address.** Proceedings of the 2013 International Conference in Management Sciences and Decision Making, 1-12.
- B. Chae, C. Yang, D. Olson, C. Sheu, "A contingent resource view of the impact of data accuracy and advanced analytics on operational performance," EurOMa 2013.
- D.L. Olson, "From Decision Support to Big Data," **keynote address** 3<sup>rd</sup> International Symposium on Computing in Science & Engineering, Kusadasi, Turkey, 25 Oct 2013
- D.L. Olson, H.-S. Shih, Sustainability MCDM model comparisons, 5<sup>th</sup> European Decision Sciences Institute conference, Kolding, Denmark, 30 Jun – 1 Jul 2014.
- S.R. Swenseth, D.L. Olson, Strategic, tactical and operational conflicts in lean supply chain management, 5<sup>th</sup> European Decision Sciences Institute conference, Kolding, Denmark, 30 Jun – 1 Jul 2014.
- D.L. Olson, D. Batur, "Business Analytics for Undergrads," 2014 INFORMS Conference, San Francisco, CA, 10 Nov, 2014.
- D.L. Olson, S. Swenseth, "Supply Chain and Distribution Risk Analysis: Key Considerations," 2014 Decisions Sciences Institute Annual Meeting, Tampa, FL, 24 Nov 2014.
- D.L. Olson, S. Swenseth, "Tradeoffs in supply chain management strategy," Multicriteria Decision Making 2015, Hamburg, Germany, August 2015
- D.L. Olson, "The use of big data and data mining in supply chains," *Proceedings of the 2015 INFORMS Workshop on Data Mining and Analytics*, November 2015.
- D.L. Olson, "The primary aluminum industry as a complex adaptive system," INFORMS November 2015.
- D.L. Olson, "On-line business data mining," **keynote address** 11<sup>th</sup> INFORMS Workshop on Data Mining & Decision Analytics, Nashville, TN, November 2016