

**SCOTT R. SWENSETH**  
**Associate Professor of Supply Chain Management and Analytics**  
**Associate Professor of Agricultural Economics (Courtesy Appointment)**  
**Joined the CBA Faculty August 1987**

**PERSONAL DATA**

**HOME ADDRESS**

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**BUSINESS ADDRESS**

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College of Business  
University of Nebraska-Lincoln  
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Date of Birth: August 24, 1958

**EDUCATION**

Ph.D.	School:	Texas A & M University
	Date:	December 1988
	Major Field:	Business Analysis and Research (Operations Management and Logistics)
	Minor Field:	Management Science and Information Systems
M.B.A.	School:	Gonzaga University
	Date:	August 1981
	Major Field:	Business Administration
B.S.	School:	Moorhead State University (now: Minnesota State University, Moorhead)
	Date:	May 1980
	Major Field:	Marketing
A.S.	School:	North Dakota State University- Bottineau Branch and Institute of Forestry (now: Dakota College at Bottineau)
	Date:	May 1978
	Major Field:	Liberal Arts

## **COLLEGE AND UNIVERSITY POSITIONS**

Associate Professor of Supply Chain Management and Analytics  
University of Nebraska-Lincoln

Associate Professor of Agricultural Economics (Courtesy Appointment)  
University of Nebraska-Lincoln

Associate Professor of Management  
University of Nebraska-Lincoln

Assistant Professor of Management  
University of Nebraska-Lincoln

Assistant Lecturer of Business Analysis & Research  
Texas A&M University

Instructor of Business Administration  
Moorhead State University

## **MEMBERSHIP IN ACADEMIC ORGANIZATIONS**

Decision Sciences Institute

ASCM

## **POSITIONS IN ACADEMIC ORGANIZATIONS**

Doctoral Consortium Coordinator, Decision Sciences Institute

Track Chair, Decision Sciences Institute

Proceedings Editor, Decision Sciences Institute (Midwest)

Program Committee, Production and Operations Management Society

## **PARTS OF BOOKS**

Consulting Editor, Video to accompany Production and Operations Management, Sixth Edition, 1994, by Norman Gaither, The Dryden Press: A Harcourt Brace Jovanovich College Publisher.

## ARTICLES IN REFEREED JOURNALS

“Trade-offs in Lean versus Outsourced Supply Chains,” with David Olson. International Journal of Production Research, 54:13, 2016, pp. 4065-4080.

“Trade-offs in Supply Chain System Risk Mitigation,” with David L. Olson. Systems Research and Behavioral Science, 31:4, 2014, pp. 565-579.

“Simulation Model of Professional Service Personnel Inventory,” with David L. Olson. International Journal of Services and Operations Management, 19:4, 2014, pp. 451-467.

“Evaluating Vendor Managed Inventory (VMI) in Non-traditional Environments using Simulation,” with Peter B. Southard. International Journal of Production Economics. 116:2, December, 2008, pp. 275-287.

“Transitioning Operations to Accommodate Growing Pains in Evolving Companies: An Application of Product Profiling to a Service Company,” with Peter B. Southard. Management Decision, Volume 41, Number 6, 2003, pp 578-586.

“Extending Product Profiling through Simulation,” with John R. Olson and Peter B. Southard. International Journal of Operations and Production Management, Volume 22, Issue 9, 2002, pp 956 – 971.

“Incorporating Transportation Costs into Inventory Replenishment Decisions,” with Michael R. Godfrey. International Journal of Production Economics, Volume 77, Issue 2, 2002, pp. 113-130.

"Estimating Freight Rates for Logistics Decisions," with Michael R. Godfrey. Journal of Business Logistics, Vol. 17, No. 1, 1996, pp. 213-231.

"Jointly Determined Cycle Time Models for Manufacturers with Multiple Vendors," with Byung K. Park. Journal of Business Logistics, Vol. 14, No. 2, 1993, pp. 127-143.

"An Iterative Procedure for Reducing Problem Size in Large Scale AHP Problems," with Kai H. Lim. European Journal of Operations Research, Vol. 67, 1993, pp. 64-74.

"Planning for Continual Improvement in a Just-in-Time Environment," with Krishnamurty Muralidhar and Rick L. Wilson. International Journal of Operations and Production Management, Vol. 13, No. 6, 1993, pp. 4-22.

"Describing Processing Time when Simulating JIT Environments," with Krishnamurty Muralidhar and Rick L. Wilson. International Journal of Production Research, Vol. 30, No. 1, 1992, pp. 1-11.

"Implications of Inbound Lead Time Variability for Just-in-Time Manufacturing," with Frank P. Buffa. International Journal of Operations and Production Management, Vol. 11, No. 7, 1991, pp. 37-48.

"Just-In-Time: Some Effects on the Logistics Function," with Frank P. Buffa. International Journal of Logistics Management, Vol. 1, No. 2, 1990, pp. 25-34.

"A Linear Approximation for Chance Constrained Programming," with David L. Olson. Journal of the Operational Research Society, Vol. 38, No. 3, 1987, pp. 261-267.

### **PUBLISHED PROCEEDINGS and CONFERENCE PRESENTATIONS**

"Effectiveness of Linking Traditional Assignments to Game-Based Simulations", Proceedings of the Decision Sciences Institute, National Conference, New Orleans, LA, 2019.

"Incorporating The Fresh Connection Simulation Experience in Alternative Environments", with Chuck Nemer, Proceedings of the Decision Sciences Institute, National Conference, New Orleans, LA, 2019.

"Revisiting ROPs and Safety Stocks", Proceedings of the Decision Sciences Institute, National Conference, Chicago, IL, 2018.

"Impact of Seasonal Forecast Methods", Proceedings of the Decision Sciences Institute, National Conference, Chicago IL, 2018.

"Forecasting and Planning for Stable Product Demand with Seasonal Components", Proceedings of the Decision Sciences Institute, National Conference, Washington, DC, 2017.

“Reshoring Implications for US Manufacturing”, Proceedings of the Decision Sciences Institute, National Conference, Washington, DC, 2017.

“Contrasting On-line and In-class Methods for using The Fresh Connection Simulation Tools”, Proceedings of the Decision Sciences Institute, National Conference, Austin, TX, 2016.

“Analyzing the Impact of Transport and Inventory considerations on Outsourcing Decisions”, with D. L. Olson, Proceedings of the Decision Sciences Institute, National Conference, Austin, TX, 2016.

“Assessing Risks and Rewards in Sourcing Decisions”, Proceedings of the Decision Sciences Institute, National Conference, Austin, TX, 2016.

“Increasing Understanding of Supply Chain Management Concepts by Incorporating The Fresh Connection Simulation Experience”, Proceedings of the Decision Sciences Institute, National Conference, Seattle, WA, 2015.

“Risk Trade-offs for Outsourcing versus Lean, Green, Agile and Resilient Supply Chain Strategies” with D. L. Olson, Proceedings of the Decision Sciences Institute, National Conference, Seattle WA, 2015.

“Time Fences: Frozen in the Middle” with G. Subramanian, Proceedings of the Decision Sciences Institute, National Conference, Tampa, FL, 2014.

“Supply Chain and Distribution Risk Analysis: Key Considerations,” with D. L. Olson, Proceedings of the Decision Sciences Institute, National Conference, Tampa, FL, 2014.

“25 Years after Product Profiling – Where Are We Now?” Proceedings of the Decision Sciences Institute, National Conference, Tampa, FL, 2014.

“Strategic, Tactical and Operational Conflicts in Lean Supply Chain Management,” with D. L. Olson, Proceedings of the European Decision Sciences Institute, International Conference, Denmark, 2014

“Impact of Changing Regulations on Shipping Decisions,” Proceedings of the Decision Sciences Institute, National Conference, Baltimore, MD, 2013.

“Impact of Regulatory Changes on Decision Makers in the Supply Chain,” Proceedings of the Decision Sciences Institute, National Conference, Baltimore, MD, 2013.

“Risk vs. Reward: An Industry Evaluation,” Proceedings of the Decision Sciences Institute, National Conference, San Francisco, CA, 2012.

“Operations and Supply Chain Management in the Health Care Debate,” with D. Choi, Proceedings of the Decision Sciences Institute, National Conference, Boston, MA, 2011.

“Comparing Background Biases in Research and Teaching within Supply Chain Management Programs,” Proceedings of the Decision Sciences Institute, National Conference, San Diego, CA, 2010

“Operations and Supply Chain Management in the Health Care Debate,” Proceedings of the Decision Sciences Institute, National Conference, San Diego, CA, 2010.

“360 Degree Team Peer Review Process for Project Oriented Courses.” Proceedings of the Decision Sciences Institute, National Conference, San Antonio, TX, 2006.

“Evaluating Freight Costs and Payment Alternatives in Vendor-Customer Relationships” with Peter B. Southard. Proceedings of the Decision Sciences Institute, National Conference, San Antonio, TX, 2006.

“Increasing Customer Service and Efficiency at Lincoln Electric System (LES)” with Majid Nabavi. Proceedings of the Decision Sciences Institute, National Conference, San Francisco, CA, 2005.

“Semantic Web Solution for Supply Chain Management Problems” with Scott R. Henninger, Majid Nabavi, Zhirong Chen, Mohamed Keshk, Padmapriya Ashokkumar and Sricharan Modali. Proceedings of the Decision Sciences Institute, National Conference, Washington, DC, 2003.

“Optimizing Costs for Multiple Carriers on Multiple routes with Variable Demand: An Experiment Using Discrete Event Simulation, with Peter Southard. Proceedings of the Decision Sciences Institute, Washington, DC, 2003.

“Incorporating Realistic Parameters into Decision Models for Teaching Supply Chain Management and Enterprise Systems,” with Michael R. Godfrey and P. F. Schikora. Proceedings of the Decision Sciences Institute, National Conference, San Diego, CA, 2002.

“Understanding Purchasing and Inventory Implications in Supply Chain Management: Modeling with Premium Solver and SolverTable,” with Michael R. Godfrey. Proceedings of the Decision Sciences Institute, National Conference, San Francisco, CA, 2001.

“Teaching Supply Chain Management Decision-Making Using Microsoft Excel,” with Michael R. Godfrey. Proceedings of the Decision Sciences Institute, National Conference, Orlando, FL, 2000.

“Opportunities and Limitations of Simulation in Business Process Reengineering,” with Peter Southard and Sang Jun Lee. Proceedings of the Decision Sciences Institute, National Conference, Orlando, FL, 2000.

“Time Based Presentation of Hub and Spoke Network Problems,” with Qing Cao. Proceedings of the Decision Sciences Institute, National Conference, Orlando, FL, 2000.

“The Impact of Information Management on the Supply Chain: Differences of Linkages Between U.S. and Japanese Manufactures,” with Sang-Gun Lee and Boocho Rho. Proceedings of the Decision Sciences Institute, National Conference, Orlando, FL, 2000.

"Bringing Decision Sciences Education to the Junior High and High School Curriculum," with Terrence C. Sebor. Proceedings of the Decision Sciences Institute, National Conference, New Orleans, LA, 1999.

"Analyzing Hub and Spoke Networks in a Stochastic Environment," with Qing Cao and Marijane England. Proceedings of the Decision Sciences Institute, National Conference, New Orleans, LA, 1999.

"Evolution of Enterprise Resource Planning," with Peter B. Southard and Sang Jun Lee. Proceedings of the Decision Sciences Institute, National Conference, New Orleans, LA, 1999.

“Enhancing the Effectiveness of Product Profiling Using Simulation,” with John Olson. Proceedings of the Decision Sciences Institute, National Conference, Orlando, FL., 1996.

"The Effect of Public Policy on the Competitive Advantage Maintained by Large Manufacturers," with Terrence C. Sebor. Proceedings of the Production and Operations Management Society, National Conference, Pittsburgh, PA, 1995.

"Inventory Policies for Hospital Operations," with Kevin Van Renan. Proceedings of the Production and Operations Management Society, National Conference, Washington, D.C., 1994.

"Locational decision model," with Tim Garvin. Proceedings of the Production and Operations Management Society, National Conference, Washington, D.C., 1994.

"Making JIT Work," with Michael R. Godfrey and Beyoung-Gone Park. Proceedings of the Production and Operations Management Society, National Conference, Washington, D.C., 1994.

"An Evaluation of Alternative Freight Rate Functions for Inventory Modeling," with Michael R. Godfrey. Proceedings of the Decision Sciences Institute, National Conference, Washington, D.C., 1993.

"Setting Safety Stock Levels for Consolidated Shipments." Proceedings of the Production and Operations Management Society, National Conference, Boston, MA, 1993.

"Contemporary Production Policies in Mix Mode Assembly," with Michael R. Godfrey. Proceedings of the Production and Operations Management Society, National Conference, Boston, MA, 1993.

"Optimal Equipment Replacement Policies for World Class Manufacturing," with Sang-Shik Lee. Proceedings of the Pan Pacific Conference X, International Conference, Beijing, China, 1993.

"Optimizing On-board Truck Fuel Inventories," with John DeGroot. Proceedings of the Production and Operations Management Society, National Conference, Orlando, FL, 1992.

"Teaching Manufacturing Strategy Concepts with an Expert System," with Andre' Everett. Proceedings of the Decision Sciences Institute, National Conference, San Francisco, CA, 1992.

"Maximizing ROI as a means of Analyzing Inventory Replenishment Decisions," with Steve Mathison. Proceedings of the Production and Operations Management Society, National Conference, New York, NY, 1991.

"The Effect of Overlapping Shipments on Safety Stock in Long Haul JIT Channels," with Tim Garvin. Proceedings of the Productions and Operations Management Society, National Conference, New York, NY, 1991.

"JIT Purchasing Models for Manufacturers with Multiple Vendors," with Byung K. Park. Proceedings of the Decision Sciences Institute, National conference, Miami, FL, 1991.  
"Facility Location Planning with Multiple Tangible and Intangible Objectives," with Kai Hin Lim. Proceedings of the Decision Sciences Institute, National Conference, Miami, FL, 1991.

"A Revised Determination of Economic Retention Periods for Regular Inventory," with Claudia H. Pragman. Proceedings of the Production and Operations Management Society, National Conference, Washington, D.C., 1990.

"Forbidden Early Shipments When Setup Considerations are Necessary," with Richard Loutzenheiser. Proceedings of the Production and Operations Management Society, National Conference, Washington, D.C., 1990.

"Effect of Just-In-Time on Worker Stress," with John Schaubroeck. Proceedings of the Decision Sciences Institute, National Conference, San Diego, CA, 1990.

"Applying Learning Models in Pull Production Processes," with Rick L. Wilson and Krish Muralidhar. Proceedings of the Decision Sciences Institute, National Conference, San Diego, CA, 1990.

"Reducing Processing Time Variation in a JIT Setting - A Learning Model," with Krish Muralidhar and Rick L. Wilson. Proceedings of ORSA/TIMS, National Conference, Las Vegas, NV, 1990.

"Modeling Freight Rates in a Just-In-Time Environment," with Frank P. Buffa. Proceedings of the Institute of Decision Sciences, Southwest Regional, New Orleans, LA, 1989.

"The Effect of Demand and Process Time Variation on Capacity Determination in a 'Pull'

Production System: A Simulation Study," with Krish Muralidhar and Rick L. Wilson. Proceedings of the Decision Sciences Institute, National Conference, New Orleans, LA, 1989.

"The Transferability of Japanese Manufacturing Techniques: Quantitative Measures for the Decision-Maker," with Krish Muralidhar and Frank P. Buffa. Proceedings of the Pan Pacific Business Association, International Conference, Sydney, Australia, 1989.

"A Simulation Study of the Impact of Differences Between Japanese and American Organizations and the Use of Just-In-Time Technology," with Krish Muralidhar and Rick L. Wilson. Proceedings of the Pan Pacific Business Association, International Conference, Sydney, Australia, 1989.

"Modeling Safety Stock and Stockout Costs in a Just-In-Time Environment," with Frank P. Buffa. Proceedings of the Institute of Decision Sciences, National Meeting, Las Vegas, NV, 1988.

"The Use of Penalty Setup Cost Adjustments in Multilevel Lot Sizing Problems," with Norman Gaither and Robert A. Davis. Proceedings of the Decision Sciences Institute, Southwest Regional, New Orleans, LA, 1985.

"The Evaluation of an Alternative Marketing Strategy for Health Care Services," with A. Clyde Vollmers and Dennis J. Doran. Proceedings of the Academy of Marketing Science, National Conference, Miami, FL, 1983.

## **EDITORIAL SERVICE**

### **Journals**

IEEE Transaction (paper reviewer since 2020)

European Journal of Operational Research (paper reviewer since 2002)

International Journal of Production Economics (paper reviewer since 2001)

International Journal of Operations & Production Management (paper reviewer since 1997)

Journal of Operations Management (paper reviewer since 1987)

OMEGA (paper reviewer since 1991)

Production and Operations Management (paper reviewer since 1991)

OPSEARCH, (paper reviewer since 1992)

Mathematical and Computer Modeling, (paper reviewer since 1992)

Journal of Managerial Issues, (paper reviewer since 1992)

International Journal of Production Research, (paper reviewer since 1992)

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### **Conference Proceedings**

Midwest Decision Sciences Institute (Proceedings Coordinator, 1998)

Decision Sciences Institute (paper reviewer since 1988)

Decision Sciences Institute (Doctoral Consortium Coordinator, 2015)

## **GRANT PROPOSALS SUBMITTED**

Investigating Emergent Distributed Phenomena in Supply Chains for Open Markets, submitted to NSF, Co-PI with Scott R. Henninger.

EPSCOR Grant for enhancing ERP Research at the University of Nebraska.

"ERP/SAP Curriculum Development at the University of Nebraska-Lincoln: An Emphasis on Doctoral Student Training and Development," Co-sponsored by Sang M. Lee.

"Linking Students with Professionals to Develop a Greater Appreciation for Productivity Improvement," Co-sponsored by Sang M. Lee and Robin Anderson.

## **NON-REFEREED PAPERS PUBLISHED**

"Simulation Education Emphasizes an Applied Approach for an Expanded Audience."  
The PROMODELer: Simulation Solutions for the Real World, Winter 1997/1998.

## **WORKSHOPS/PRESENTATIONS**

"Simulation Applications in Non-traditional Environments" Presented at PROMODEL University, The 11<sup>th</sup> Annual Users Conference for PROMODEL Product Users, in Park City, Utah, July 18-22, 2000. Best Presentation Award as voted by Conference Participants.

"Creating and Using Real-World Simulations in the Classroom." Presented at Stanford Conference on Manufacturing Education, Palo Alto, California, June 13-16, 1999.

"The Textron Experience." Presented at PROMODEL University, The 10<sup>th</sup> Annual Users Conference for PROMODEL Product Users, in Park City, Utah, July 20-24, 1999.

"Simulation of Hub and Spoke Networks-The Greenland Airport Authority." Presented at PROMODEL University, The 10<sup>th</sup> Annual Users Conference for PROMODEL Product Users, in Park City, Utah, July 20-24, 1999.

"Enhancing Productivity in a Service Company." Presented at PROMODEL University, The 9<sup>th</sup>

Annual Users Conference for PROMODEL Product Users, in Grand Teton National Park, Wyoming, September 20-24, 1998.

“Incorporating Simulation into the Operations Management Curriculum.” Presented at the 28<sup>th</sup> Annual Meeting of the Decision Sciences Institute in San Diego, CA, November 22-25, 1997.

“Perspectives on Simulation Education.” Presented at PROMODEL University, The 8<sup>th</sup> Annual Users Conference for PROMODEL Product Users, in Park City, Utah, August 11-15, 1997.

### **Service to the College/University**

**College of Business Faculty Service Award (2019)**

**University Marshal Corp (2008 – Present)**

**Intercollegiate Athletics Committee (2009 – 2017)**

**Intercollegiate Athletics Subcommittee for Study of Athletic/Academic Conflicts (2009 – 2017)**

**General Committee (2014 – Present)**

**MBA/Masters Committee (2016 – Present)**

**Agribusiness Committee (1995 – Present)**

**Nebraska Supply Chain Club, Faculty Advisor (2013 – Present)**  
**Formerly, Young Leaders in Supply Chain Management**