

VITA

Dr. Shawnee K. Vickery
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EXPERIENCE:**Michigan State University, East Lansing, Michigan**

- 2011-2012** **Demmer Legacy Fellow and Faculty Director of the Demmer Center for Business Transformation** (Responsibilities: Leadership and oversight of strategic planning, educational, outreach, and research initiatives and programs, and fund-raising.)
- 2008 - 2011**
Co-Director of the Institute of Entrepreneurship and Innovation
 (Responsibilities: Leadership and oversight of Initiatives and programs, guiding student teams, strategic planning, and fundraising)
- 2006 - current**
Faculty Founder and Co-Director, Master of Science in Supply Chain Management (Premium tuition program for working supply chain management professionals)
- 1996 - current**
Professor of Operations and Supply Chain Management,
 Department of Supply Chain Management (formerly the Department of Marketing & Supply Chain Management), Eli Broad Graduate School of Management
- 2006 - 2008**
Associate Dean for Academic Affairs & Research, The Eli Broad College of Business and Graduate School of Management
 (Responsibilities: faculty affairs including faculty recruitment/hiring, retention, and assisting the Dean in the reappointment, promotion and tenure (RPT) process and in the faculty and staff (including academic specialists) evaluation processes; leadership of the research mission and research centers (Institute of Entrepreneurship and Center for Leadership of the Digital Enterprise); oversight of all academic and non-academic human resources (Broad College, Henry Executive Development Center, and Management Education Center); oversight of 7 business PhD programs; point person for academic strategic planning; and oversight of IT services.
- 2001- 2006**
Director, Manufacturing & Innovation Master's Degree Program,
 (Responsible for designing and launching this premium tuition program for working engineers, engineering managers, and operations managers in 2001; *program merged with MS Logistics in 2006 to create the MS in Supply Chain Management Program*)

EXPERIENCE (continued):**1997- 2006****Director**, Integrated Master's Degree Program in Operations and Engineering Management (Joint Degree Program with College of Engineering)**1995 - 1996****Professor of Operations Management**, Department of Management, Eli Broad Graduate School of Management**1993 - 1995****Coordinator for Operations and Sourcing Management (OSM) Group**, Department of Management, Eli Broad Graduate School of Management (Was responsible for assisting the department chairperson in developing teaching schedules for operations and sourcing management faculty.)**1989 - 1995****Associate Professor of Operations Management**, Department of Management, College of Business Administration**1984-1989****Assistant Professor of Operations Management**, Department of Management, College of Business Administration**Burroughs Wellcome Co. (now GlaxoSmithKline), Greenville, North Carolina****1983****Production Consultant****University of South Carolina, Columbia, South Carolina****1980-1983****Graduate Research Assistant in Management Science****1978-1980****Graduate Teaching and Research Assistant in Management Science****Burroughs Wellcome Co. (now GlaxoSmithKline), Greenville, North Carolina****Summer 1978****Administrative Assistant** to Production Systems Analysis Task Force, IBM COPICS Implementation Project, Pharmaceutical Manufacturing Division**EDUCATION:****Ph.D. in Business Administration, 1983**University of South Carolina
Columbia, South Carolina

Major: Management Science
Minor: Production Operations Management

Master of Science, 1981
University of South Carolina
Columbia, South Carolina
Major: Business Administration

Bachelor of Science in Business Administration, 1978
East Carolina University
Greenville, North Carolina
Major: Quantitative Methods

MASTERS THESIS:

A Comparative Analysis of the Risk Rankings of Selected American Industry Groups
Stemming from Three Different Conceptual Approaches to the Assessment of Risk,
Master's Thesis, Spring 1981.

DOCTORAL DISSERTATION:

Multi-stage Lot Sizing for Serial Production, Ph.D. Dissertation, December 1983.

RESEARCH INTERESTS:

Operations Strategy and Competitive Performance; Supply Chain Design and
Integration; Product/Process Modularity; and the Marketing-Manufacturing Interface.

TEACHING INTERESTS:

Manufacturing Planning and Control, Operations Strategy, Supply Chain Management,
Operations and Sourcing Management, Management Science/Quantitative Methods

HONORS AND AWARDS:

- **2010, 2011 Associate Editor Award** – Journal of Supply Chain Management
- **2003 Richard J. Lewis Quality of Excellence Faculty Award** in recognition of outstanding work done in the development of the Master's of Science Program in Manufacturing and Innovation.
- **1999 ANBAR Citation of Excellence** – for "Supply-based Strategies, Human Resource Initiatives, Procurement Lead-Time and Firm Performance," (with Jayanth Jayaram), International Journal of Purchasing and Materials Management, Vol. 34, No. 1, Winter 1998, pp. 12-23.
- **1995 Outstanding Faculty Member** -- Business Week Book of the Top 40 MBA Programs
- **1993 Outstanding Faculty Member** -- Business Week Book of the Top 40 MBA Programs
- **1992 Finalist for the Best Theoretical/Empirical Research Paper Award** of the 1992 Decision Sciences Institute National Outstanding Paper Awards Competition.
- **1985 Teacher/Scholar Award**, Michigan State University (university level award).
- **1985 Teacher/Scholar Award**, Graduate School of Business Administration, Michigan State University (college level award).
- **1984 Honorable Mention**, American Institute for Decision Sciences Doctoral Dissertation Competition.
- **1984 IBM Prize** for the best paper showing the role of computers in Operations Research and Management Science, XXVI International Meeting of the Institute of Management Science, Copenhagen, Denmark.
- **1983 Doctoral Consortium Participant**, American Institute for Decision Sciences.

RESEARCH GRANTS:

- **December 2011** Michigan Initiative in Innovation and Entrepreneurship for "Agri-business Innovation at Peckham Farms" project -- \$30,000
- **July 2008** Michigan Initiative in Innovation and Entrepreneurship (Mott Foundation) for "*Imaging the Future: Revitalization of Mid-Michigan Companies through Deep Strategic Change*" project (with Roger Calantone) - \$70,000
- **Summer 1999** Broad College's Summer Research Grant -- \$10,000 (2004 *Management Science* article was an outcome of this research grant)
- **1982-83** Dissertation Research Grant, Burroughs Wellcome Co., Greenville, North Carolina -- \$15,000 (Three top tier articles resulted from this grant.)

RESEARCH PUBLICATIONS (Refereed Journal Articles):

2011

William E. Demmer, Shawnee K. Vickery, and Roger Calantone, **"Engendering Resilience in Small- and Medium-sized Enterprises: A Case Study of Demmer Corporation,"** *International Journal of Production Research*, Volume 49, Number 18, pp. 5395-5413..

Mark Jacobs, Cornelia Droge, Shawnee K. Vickery, and Roger Calantone, **"Product and Process Modularity's Effects on Manufacturing Agility and Firm Growth Performance,"** *Journal of Product Innovation Management*, Volume 28, Number 1, 2011, pp. 124-138.

Shawnee K. Vickery and Cornelia Droge, **"Integration in Global Supply Chains"** refereed chapter in *Managing Global Supply Chain Relationships: Operations, Strategies and Practices*, edited by Barbara Flynn (Indiana University) and Michiya Morita (Gakushuin University, Japan), IGI Global, 2011.

2010

Shawnee K. Vickery, Cornelia Droge, Vallabh Sambamurthy, and Pankaj Setia, **"Supply Chain Informational Technologies and Organizational Initiatives: Complementary Versus Independent Effects on Agility and Firm Performance,"** *International Journal of Production Research*, Volume 48, Number 23 (December 2010), pp. 7025-7042.

Roger Calantone and Shawnee K. Vickery, **"The Use of Archival and Secondary Data in Supply Chain Management Research,"** An Introduction to a Special Topic Forum Issue of the *Journal of Supply Chain Management*, Volume 46, No. 4, 2010, pp. 3-11.

2008

Srinivas Talluri, Shawnee K. Vickery, and Sriram Narayanan **"Optimization Models for Buyer-Seller Negotiations,"** *International Journal of Physical Distribution & Logistics Management*, Volume 38, No. 7, 2008, pp. 551-561.

Jayanth Jayaram, Shawnee K. Vickery, and Cornelia Droge, **"Relationship Building, Lean Strategy, and Firm Performance: An Exploratory Study in the Automotive Supplier Industry,"** *International Journal of Production Research*, Vol. 46, No. 20, 2008, pp. 5633-5649.

2007

Mark Jacobs, Shawnee K. Vickery, and Cornelia Droge, **"The Effects of Product Modularity on Competitive Performance: Do Integration Strategies Mediate The Relationship?"**, *International Journal of Operations and Production Management*, Vol. 27, No. 10, 2007, pp. 1046-1068.

2004

Cornelia Dröge, Jayanth Jayaram, and Shawnee K. Vickery, **"The Effects of Internal Versus External Integration Practices on Time-based Performance and Overall Performance,"** *Journal of Operations Management*, Vol. 22, December 2004, pp. 557-573.

RESEARCH PUBLICATIONS (Refereed Journal Articles) (con't):

2004

Shawnee K. Vickery, Cornelia Droge, Theodore P. Stank, Thomas J. Goldsby, and

Robert E. Markland, "The Performance Implications of Media Richness in Customer Contact in a Business to Business (B2B) Service Environment: Direct Versus Indirect Effects," Management Science, Vol. 55, No. 8, August 2004, pp. 1106-1119.

2003

Shawnee K. Vickery, Jayanth Jayaram, Cornelia Dröge, and Roger Calantone, "The Effects of an Integrative Supply Chain Strategy on Customer Service and Financial Performance: An Analysis of Direct Versus Indirect Relationships," Vol. 21, No. 5, December 2003, Journal of Operations Management, pp. 523-540.

Srinivas Talluri, Shawnee K. Vickery, and Cornelia Dröge, "Transmuting Performance on Manufacturing Dimensions into Business Performance: An Exploratory Analysis of Efficiency using Data Envelope Analysis (DEA)," International Journal of Production Research, Vol. 41, No. 10, 2003, pp. 2107-2123.

Theodore P. Stank, Thomas J. Goldsby, Shawnee K. Vickery, and Katrina Savitskie, "Logistics Service Performance: Estimating Its Influence on Market Share," Journal of Business Logistics, Vol. 24, No. 1, January 2003, pp. 27-56.

2002

Roger Calantone, Cornelia Dröge and Shawnee K. Vickery, "Investigating the Marketing-Manufacturing Interface in New Product Development: Does Context Affect the Strength of Relationships?," Journal of Operations Management, Vol. 20, No. 3, June 2002, pp. 273-287.

2000

Sime Curkovic, Shawnee K. Vickery, and Cornelia Dröge, "Quality-related Action Programs: Their Impact on Quality Performance and Overall Firm Performance," Decision Sciences, Vol. 31, No. 4, Fall 2000, pp. 885-905.

Jayanth Jayaram, Shawnee K. Vickery, and Cornelia Dröge, "The Complementary Influence of Information Infrastructure and Process Improvement Enablers on Supply Chain Time-based Performance," International Journal of Physical Distribution and Logistics Management (Special Issue), Vol. 30, No. 3/4, June 2000, pp. 314.

RESEARCH PUBLICATIONS (Refereed Journal Articles) (con't):

2000

S. Curkovic, S. K. Vickery and C. Dröge, "An Empirical Analysis of the Competitive Dimensions of Quality Performance in the Automotive Supply Industry," *International Journal of Operations and Production Management*, Vol. 20, No. 3, 2000, pp. 386.

Thomas V. Scannell, Shawnee K. Vickery, and Cornelia Dröge, "Upstream Supply Chain Management and Competitive Performance for First Tier Automotive Suppliers," *Journal of Business Logistics*, Vol. 21, No. 1, 2000, pp.23-48.

Cornelia Dröge, Jayanth Jayaram, and Shawnee K. Vickery, "The Ability to Minimize the Timing of New Product Development and Introduction: An Examination of Antecedent Factors in the North American Automobile Supplier Industry," *Journal of Product Innovation Management*, Vol. 17, No. 1, January 2000, pp. 24-40.

1999

Jayanth Jayaram, Cornelia Dröge, and Shawnee K. Vickery, "The Impact of Human Resource Management Practices on Manufacturing Performance," *Journal of Operations Management*, Vol. 18, No. 1, December 1999, pp. 1-20.

Jayanth Jayaram, Shawnee K. Vickery and Cornelia Dröge, "An Empirical Study of Time-based Competition in the Automotive Supplier Industry," *International Journal of Operations and Production Management*, Vol. 19, No. 11, November 1999, pp. 1010-1033.

Sime Curkovic, Shawnee K. Vickery and Cornelia Dröge, "Quality Performance and Business Performance: An Empirical Study of First Tier Automotive Suppliers," *Quality Management Journal*, Quarter 2, 1999, pp. 29-40

Shawnee K. Vickery, Roger Calantone, and Cornelia Dröge, "Supply Chain Flexibility: An Empirical Study," *The Journal of Supply Chain Management*, Vol. 35, No. 3, Summer 1999, pp. 16-24.

Shawnee K. Vickery, Cornelia Dröge and Richard Germane, "The Relationship Between Product Customization and Organizational Structure," *Journal of Operations Management*, Vol. 17, No. 4, June 1999, pp. 377-391.

Theodore P. Stank, Thomas J. Goldsby, and Shawnee K. Vickery, "Effect of Service Performance on Satisfaction and Loyalty of Store Managers in the Fast Food Industry," *Journal of Operations Management*, Vol. 17, No. 4, June 1999, pp. 429-448.

RESEARCH PUBLICATIONS (Refereed Journal Articles) (con't):

1998

Jayanth Jayaram and Shawnee K. Vickery, "Supply-based Strategies, Human Resource Initiatives, Procurement Lead-time and Firm Performance," *International Journal of Purchasing and Materials Management*, Volume 34, Number 1, Winter 1998, pp. 12-23.

Mark Pagell and Shawnee K. Vickery, "Skill Choices and Manufacturing Environments: Three Case Studies," *Mid-America Journal of Business*, Volume 13, Number 1, Spring 1998, pp. 21-30.

1997

Edward Morash, Cornelia Dröge, and Shawnee Vickery, "Boundary Spanning Interfaces Between Logistics, Production, Marketing, and New Product Development," *International Journal of Physical Distribution and Logistics Management*, Volume 26, Number 8, (1996), pp. 43-62 (Reprinted *International Journal of Physical Distribution and Logistics Management*, Volume 27, Number 5/6, 1997, pp. 350-369.

Danny Miller, Cornelia Dröge, and Shawnee K. Vickery, "Celebrating the 'Essential:' The Impact of Performance on the Functional Favoritism of CEOs in Two Contexts," *Journal of Management*, Volume 23, Number 2, (1997), pp. 147-168.

Shawnee K. Vickery, Cornelia Dröge, and Robert E. Markland, "Dimensions of Manufacturing Strength in the Furniture Industry," *Journal of Operations Management*, Volume 15, Number 4, November 1997, pp. 317-329.

1996

Edward Morash, Cornelia Dröge, and Shawnee K. Vickery, "Strategic Logistics Capabilities for Competitive Advantage and Firm Success," *Journal of Business Logistics*, Volume 17, Number 1, 1996, pp. 1-22.

Laura Forker, Shawnee K. Vickery, and Cornelia Dröge, "The Contribution of Quality to Business Performance," *International Journal of Operations and Production Management*, Volume 16, Number 8, (1996), pp. 44-62.

1995

Roger J. Calantone, Shawnee K. Vickery, and Cornelia Dröge, "Business Performance and Strategic New Product Development Activities: An Empirical Investigation," *Journal of Product Innovation Management*, Volume 12, Number 3, June 1995, pp. 214-223.

Shawnee K. Vickery, Cornelia Dröge, Robert E. Markland and James Yeomans, "Time-based Competition and Business Performance," *Production and Inventory Management*, Fourth Quarter 1995, pp. 14-21.

RESEARCH PUBLICATIONS (Refereed Journal Articles) (con't):**1994**

Shawnee K. Vickery, Cornelia Dröge, and Robert E. Markland, "**Strategic Production Competence: Convergent, Discriminant, and Predictive Validity,**" *Production and Operations Management Journal*, Volume 3, Number 2, Spring 1994, pp. 308-318.

Cornelia Dröge, Shawnee K. Vickery, and Robert E. Markland, "**Sources and Outcomes of Competitive Advantage: An Exploratory Study in the Furniture Industry,**" *Decision Sciences*, Volume 25, Number 5/6, September-December 1994, pp. 669-690.

1993

Shawnee K. Vickery, Cornelia Dröge, and Robert E. Markland, "**Production Competence and Business Strategy: Do They Affect Business Performance?**" *Decision Sciences*, Volume 24, Number 2, March-April 1993, pp. 435-455.

Joseph R. Carter, Shawnee K. Vickery, and Michael D'Itri, "**An Analysis of Currency Risk Management Strategies for Contracting with Japanese Suppliers,**" *International Journal of Purchasing and Materials Management*, Volume 29, Number 3, Summer 1993, pp. 18-25.

Shawnee K. Vickery, Joseph R. Carter, and Michael D'Itri, "**An Empirical Analysis of Exchange Rate Management Strategies in International Sourcing,**" *International Journal of Physical Distribution & Logistics Management*, Volume 23, Number 8, 1993, pp. 38-45.

1992

Shawnee K. Vickery, Joseph R. Carter, and Michael D'Itri, "**A Bayesian Approach to Foreign Exchange Management in International Sourcing,**" *International Journal of Purchasing and Materials Management*, Volume 28, Number 1, Winter 1992, pp. 15-20.

1991

Shawnee K. Vickery, "**A Theory of Production Competence Revisited,**" *Decision Sciences*, Volume 22, Number 3, July-August 1991, pp. 635-643.

1989

Shawnee K. Vickery, "**International Sourcing: Implications for Just-in-Time Manufacturing,**" *Production and Inventory Management*, Third Quarter 1989, pp. 66-71.

Joseph R. Carter and Shawnee K. Vickery, "**Currency Exchange Rates: Their Impact on Global Sourcing,**" *Journal of Purchasing and Materials Management*, Volume 25, Number 3, Fall 1989, pp. 19-25.

RESEARCH MONOGRAPHS:

Joseph R. Carter, Ram Narasimhan, and Shawnee K. Vickery, ***International Sourcing for Manufacturing Operations***, Research Monograph, Number 3, Operations Management Association. Waco, Texas: Naman and Schneider Associates Group, Fall 1988.

BOOK CHAPTERS:

Joseph R. Carter and Shawnee K. Vickery, "Fundamentals of Managing Currency Exchange Rates for Effective International Purchasing," ***Guide to Purchasing***, Volume IV, National Association of Purchasing, 1989 (edited by E. Bierman).

RESEARCH COLUMNS:

Thomas J. Goldsby, Katrina Savitskie, Ted Stank and Shawnee K. Vickery, "Web-based Surveys: Reaching Potential Respondents On-line," ***Decision Line***, Volume 32, Number 2, March 2001, pp. 4-6.

REFEREED PROCEEDINGS AND PAPERS:**2007**

Pankaj Setia, Shawnee K. Vickery, V. Sambamurthy, and Cornelia Droge, "Higher Order Vs. Lower Order Complementarities: Assessment of their Relative Impact on Organizational Agility" ***Proceedings of the 41st Annual National Meeting of the Decision Sciences Institute***, Phoenix, Arizona, November 2007.

2004

Srinivas Talluri and Shawnee K. Vickery, "Optimization Models for Buyer-Supplier Negotiations," ***Proceedings of the 36th Annual National Meeting of the Decision Sciences Institute***, Boston, Massachusetts, November 2004.

2002

Jayanth Jayaram, Shawnee K. Vickery, and Cornelia Dröge, "Relationship Building, Lean Strategy and Firm Performance: An Exploratory Study in the Automotive Supplier Industry," ***Institute for Supply Management, Proceedings of the 13th Annual North American Research Symposium on Purchasing & Supply Management***, March 21-23, 2002, Dallas Texas, pp. 144-167.

REFEREED PROCEEDINGS AND PAPERS (con't):**1998**

Thomas V. Scannell, Shawnee K. Vickery, and Cornelia Dröge, "Upstream Supply Chain Management and Competitive Performance in the Automotive Supply Industry," *Proceedings of the 30th Annual National Meeting of the Decision Sciences Institute*, Las Vegas, Nevada, November 1998.

Sime Curkovic, Shawnee K. Vickery and Cornelia Dröge, "The Direct and Indirect Effects of Quality-Related Action Programs on Performance Outcomes," *Proceedings of the 30th Annual National Meeting of the Decision Sciences Institute*, Las Vegas, Nevada 1998.

1997

Sime Curkovic, Steven Swartz and Shawnee K. Vickery, "An Empirical Analysis of the Competitive Dimensions of Quality in the Automotive Supply Industry," *Proceedings of the 1997 Midwest Decision Sciences Institute Meeting*, Indianapolis, Indiana, April 1997.

Jayanth Jayaram, Shawnee K. Vickery and Cornelia Dröge, "Antecedent Practices, Time-based Performance, and Business Performance: A Path Model," *Proceedings of the 29th Annual National Meeting of the Decision Sciences Institute*, San Diego, CA, November 1997.

Sime Curkovic, Steven Swartz, and Shawnee K. Vickery, "Quality-related Action Programs: Their Impact on Quality Performance and Overall Firm Performance," *Proceedings of the 29th Annual National Meeting of the Decision Sciences Institute*, San Diego, CA, November 1997.

1996

Mulumudi Jayaram and Shawnee K. Vickery, "An Exploratory Study of Time Based Competition in the Automotive Supply Industry," *Proceedings of the 28th Annual National Meeting of the Decision Sciences Institute*, Orlando, FL, November 1996.

Thomas V. Scannell, Shawnee K. Vickery and Cornelia Dröge, "Strategic Flexibility in the Automotive Supply Industry: An Empirical Investigation" *Proceedings of the 28th Annual National Meeting of the Decision Sciences Institute*, Orlando, FL, November 1996.

REFEREED PROCEEDINGS AND PAPERS (con't):

1996

Sime Curkovic, Steven Swartz, and Shawnee K. Vickery, **"Strategic Action Programs, Quality and Business Performance,"** *Proceedings of the 28th Annual National Meeting of the Decision Sciences Institute*, Orlando, FL, November 1996.

Mark Pagell and Shawnee K. Vickery, **"Linking Operations to Human Resources: Using Three Case Studies to Build a Model of Strategic Choice of Operator Skill Levels,"** *Proceedings of the 28th Annual National Meeting of the Decision Sciences Institute*, Orlando, FL, November 1996.

1995

Gregory M. Magnan, Shawnee K. Vickery, and Cornelia Dröge, **"The Use of Human Resource Strategies to Support Flexibility,"** *Proceedings of the 27th Annual National Meeting of the Decision Sciences Institute*, Boston, MA, November 1995.

Robert J. Marsh and Shawnee K. Vickery, **"Relational Data Bases in Manufacturing: An MRP Implementation and Framework for Cross Functional Integration,"** *Proceedings of the 27th Annual National Meeting of the Decision Sciences Institute*, Boston, MA November 1995.

Laura B. Forker, Shawnee K. Vickery and Cornelia Dröge, **"The Contribution of Quality to Business Performance,"** *Proceedings of the 27th Annual National Meeting of the Decision Sciences Institute*, Boston, MA, November 1995.

1994

James M. Yeomans, Shawnee K. Vickery, Cornelia Dröge, and Robert E. Markland, **"Time-Based Competition in the Furniture Industry,"** *Proceedings of the 26th Annual National Meeting of the Decision Sciences Institute*, Honolulu, Hawaii, November 1994.

1993

Shawnee K. Vickery, Cornelia Dröge, and Robert E. Markland, **"Identifying and Examining Competitive Priorities in Manufacturing,"** *Proceedings of the Second International Meeting of the Decision Sciences Institute*, Seoul, Korea, June 1993.

Robert E. Markland, Shawnee K. Vickery, and Cornelia Dröge, **"Linking Manufacturing Competence and Business Performance,"** *Proceedings of the Pan-Pacific Conference X-A Business, Economic and Technological Exchange*, Beijing, China, June, 1993.

REFEREED PROCEEDINGS AND PAPERS (con't):**1993**

Shawnee K. Vickery, Cornelia Dröge, and Robert E. Markland, **"Sources and Outcomes of Competitive Advantage: The Role of Competencies in Marketing, Innovation, and Manufacturing,"** *Proceedings of the 25th Annual National Meeting of the Decision Sciences Institute*, Washington, D.C., November 1993.

1992

Joseph R. Carter, Shawnee K. Vickery, and Michael D'Itri, **"Managerial Implications of a Simulation Study of Foreign Exchange Rate Management Strategies in International Sourcing,"** *Proceedings of the 1992 NAPM Purchasing and Materials Management Research Symposium*, California State University, Fresno, March 1992.

Shawnee K. Vickery, Cornelia Dröge, and Robert E. Markland, **"The Relationship of Production Competence and Strategy to Business Performance: An Empirical Study of the Furniture Industry,"** *Proceedings of the 24th Annual National Meeting of the Decision Sciences Institute*, San Francisco, California, November 1992. (This paper was a finalist for the Best Theoretical/Empirical Research Paper Award of the 1992 Decision Sciences Institute National Outstanding Paper Awards Competition.)

Joseph R. Carter, Shawnee K. Vickery, Michael D'Itri, and David E. Mendez, **"An Analysis of Currency Risk Management Strategies for Contracting with Japanese Suppliers (A Topic Table),"** *Proceedings of the 24th Annual National Meeting of the Decision Sciences Institute*, San Francisco, California, November 1992.

1991

Joseph R. Carter and Shawnee K. Vickery, **"Managing Exchange Rates in International Sourcing,"** *Proceedings of the 1991 National Association of Purchasing Managers (NAPM) Conference*, San Francisco, California, May 1991.

Shawnee K. Vickery, Robert E. Markland, and Cornelia Dröge, **"The Contribution of Manufacturing to Business Performance: An Empirical Study of the Furniture Industry,"** *Proceedings of the First International Meeting of the Decision Sciences Institute*, Brussels, Belgium, June 1991.

REFEREED PROCEEDINGS AND PAPERS (con't):**1991**

Shawnee K. Vickery, Joseph R. Carter, and Michael D'Itri, "A Simulation Study of Foreign Exchange Management Strategies in International Sourcing," **Proceedings of the 23rd Annual National Meeting Decision Sciences Institute**, Miami, Florida, 1991.

Robert E. Markland, Shawnee K. Vickery, and Cornelia Dröge, "The Contribution of Manufacturing to Business Performance," A Working Paper, presented at POMS Annual National Meeting, New York City, November 1991.

1990

Joseph R. Carter, Shawnee K. Vickery, and Michael D'Itri, "A Decision Analytic Approach to Managing Exchange Rates in International Sourcing," **Proceedings of the 1990 Purchasing/Materials Management Research Symposium**, LeHigh University and Pennsylvania State University, October 1990.

Shawnee K. Vickery and Robert E. Markland, "The Contribution of Manufacturing to Competitive Strength," **Proceedings of the 22nd Annual National Meeting Decision Sciences Institute**, San Diego, California, November 1990.

Shawnee K. Vickery, Joseph R. Carter, and Michael D'Itri, "Managing Volatile Exchange Rates in International Sourcing (A Workshop)," **Proceedings of the 22nd Annual National Meeting Decision Sciences Institute**, San Diego, California, November 1990.

1989

Joseph R. Carter, Shawnee K. Vickery, and Vijay Kannan, "Implementation of Exchange Rate Management Strategies in Global Sourcing: A Spreadsheet Approach," **Proceedings of the 1989 Purchasing/Materials Management Research Symposium**, Florida State University, March 1989.

1988

Joseph R. Carter and Shawnee K. Vickery, "A Quantitative Procedure for Estimating the Cost of Imported Merchandise when Currency Futures are Used for Managing Exchange Rate Risk (Topic Table)," **Proceedings of the 20th Annual National Meeting Decision Sciences Institute**, Las Vegas, Nevada, November, 1988.

1987

Joseph R. Carter and Shawnee K. Vickery, "The Impact of Foreign Exchange Rate Considerations on International Purchasing Decisions," **Proceedings of the 19th Annual National Meeting Decision Sciences Institute**, Boston, Massachusetts, November 1987.

REFEREED PROCEEDINGS AND PAPERS (con't):**1986**

Joseph R. Carter, Robert M. Monczka, Ram Narasimhan, and Shawnee K. Vickery, **"International Purchasing: A Research Agenda for the 1980's and Beyond,"** *Proceedings of the 18th Annual National Meeting Decision Sciences Institute*, Honolulu, Hawaii, November 1986.

1984

Robert E. Markland and Shawnee K. Vickery, **"The Efficient Implementation of a Large Scale Integer Goal Programming Model,"** *A Working Paper, presented at the XXVI International Meeting of The Institute of Management Sciences*, June 1984. (This paper was awarded the IBM prize for best paper showing the role of computers in Management Science and Operations Research.)

Steven A. Melnyk, Shawnee K. Vickery, Phillip L. Carter, **"Sequencing/Dispatching/Scheduling: Alternative Perspectives,"** *Proceedings of the 16th Annual Meeting American Institute for Decision Sciences*, Toronto, Canada, November 1984.

1983

Shawnee K. Vickery and Robert E. Markland, **"Guidelines for Large-scale Mixed Integer Programming Modeling,"** *Proceedings of the Southeastern Meeting-American Institute of Decision Sciences*, February 1983.

Shawnee K. Vickery and Robert E. Markland, **"Integer Goal Programming with MPSX-MIP,"** *Proceedings of the 15th Annual Meeting American Institute for Decision Sciences*, San Antonio, Texas, November 1983.

Shawnee K. Vickery and Robert E. Markland, **"Multi-stage Lot Sizing: An Integer Goal Programming Application,"** A Working Paper, presented at The Institute of Management Sciences/Operations Research Society of America Joint National Meeting, November 1983.

1982

Edward F. Stafford and Shawnee K. Vickery, **"A Machine-Based Lower Bound Estimate of Makespan for Flow Shop Scheduling Problems: A Pilot Study,"** *Proceedings of the Southeastern Meeting-American Institute of Decision Sciences*, February 1982.

Shawnee K. Vickery, Gary R. Reeves, Gabriel R. Cipau, and Robert E. Markland, **"A Goal Programming Model for Aggregate Production Scheduling: A Pharmaceutical Application,"** A Working Paper, presented at the Institute of Management Sciences/Operations Research Society of America Joint National Meeting, April 1982.

REFEREED PROCEEDINGS AND PAPERS (con't):**1982**

Shawnee K. Vickery and Robert E. Markland, "**A Goal Programming Model for Multistage Lot Sizing in a Serial Production System**," A Working Paper, presented at The Institute of Management Sciences/Operations Research Society of America Joint National Meeting, October 1982.

1980

Edgar P. Hickman, Shawnee K. Vickery, and Rudolph E. D'Souza, "**The Effect of Measurement Error on Tests of Significance for Dummy Variables in Multiple Regression Analysis**," *Proceedings of the Sixteenth Annual Meeting Southeastern Chapter The Institute of Management Sciences*, November 1980.

Robert E. Markland, L. Douglas Smith, and Shawnee K. Vickery, "**Comparison of Approaches to the Assessment of Business Risk for Selected American Industry Groups**," *Proceedings of the 12th Annual Meeting American Institute for Decision Sciences*, November 1980.

TEXTBOOKS:

Robert E. Markland, Shawnee K. Vickery, Robert A. Davis, *Operations Management: Concepts in Manufacturing and Services*, 1st edition, West Publishing, St. Paul, Minnesota, 1995.

Robert E. Markland, Shawnee K. Vickery, Robert A. Davis, *Operations Management: Concepts in Manufacturing and Services*, 2nd edition, Southwestern Publishing, Cincinnati, Ohio, 1998.

STUDENT WORKBOOKS:

Shawnee K. Vickery, *Study Guide to Accompany Quantitative Methods: Applications to Managerial Decision Making*, New York: John Wiley & Sons, 1987.

COURSES TAUGHT (with catalog descriptions):

MGT 304 (quarter system) Operations Planning and Control: Managing the production system. Product development, process selection, facilities location and layout; staffing; materials, cost and quality control.

COURSES TAUGHT (with catalog descriptions) (continued):

MGT 306 (quarter system) Analysis of Processes and Systems: Analysis of some fundamental systems and process concepts, which are basic to industrial management. The course is oriented toward computer model building, acquainting the student with the use of the computer as an instrument for analysis of complex problems in industry. Course includes consideration of criteria for efficiency and optimization, and program planning. (Large Lecture Class with 500-600 students)

MGT 405 (quarter system) Operations Management Topics: Consideration of current and controversial questions in operations management. Field experience to study operations and policies in business. Industry studies; impact of new technology and government regulations.

MGT 821 (quarter system) Production and Inventory Planning and Control: Theory and practice of production and inventory planning and control. Focus on computer based planning systems for material requirements including aggregate planning. Master scheduling, capacity planning, shop floor control and inventory planning.

MGT 833 (quarter system) Decision-Making Models: Normative decision analysis in business under different assumptions of information availability.

MSC 303 (semester system) Supply Chain Management Management: Role of manufacturing, operations, purchasing, sourcing, and transportation and distribution in determining organizational competitiveness. Quality, flexibility, cost, and lead-time.

MSC 402 (semester system) Manufacturing Planning and Control: Production planning, demand management, master scheduling, materials requirements, and capacity planning. Shop floor control, computer-integrated manufacturing, and just-in-time systems.

MSC 800 (semester system) Supply Chain Management: Fundamentals of supply chain management. Strategic impact of the transformation process in a global economy. Quality, inventory management, logistics strategy, customer service, international procurement, management of technology.

MSC 833 (semester system) Decision Support Models: Analytical models to support decision-making. Topics include multiple regression, linear optimization, decisions under uncertainty, and forecasting.

SCM 842 (semester system) Total Quality Management (Full time MBA Program) - Overview of Total Quality Management principles and processes.

SCM 853 (semester system) Operations Strategy (Full Time MBA Program) - Operations/Manufacturing strategy paradigms and case study analyses.

MSC 871 (intensive in-residency) Applied Data Analysis: Quantitative and statistical methods for decision-making. Hypothesis testing, regression and correlation analysis, forecasting, linear programming, decision analysis and project management.

COURSES TAUGHT (with catalog descriptions) (continued):

MSC 875 (intensive in-residency) Manufacturing Planning and Control: Planning and control functions required to match supply and demand in a manufacturing firm. Tools and methods for planning production and the resources/capacity needed to support production. The role of information and information systems in planning and control. Coordination of plans across organizations in the supply chain.

MSC 885 (intensive in-residency) Manufacturing/Innovation Field Study/ Research Project: Directed field study or research project in manufacturing and/or innovation related subjects. Practical application of knowledge gained in prior manufacturing/innovation coursework.

MSC 888 (semester system) Capstone Project in Manufacturing: Problem solving in manufacturing. Design of products and processes for manufacturing using systems approach. Teaming and communication skills are emphasized.

MSC 923 (semester system) Topics in Operations Management: Current research in the field. Topics vary. (Doctoral Seminar)

DOCTORAL DISSERTATION COMMITTEES:

Michael D'Itri	Byung Sohn
Hyun Kim	Bret Wagner
Joel Litchfield	Santosh Kumar Mahapatra
Gregory Magnan (Chair)	Sarah Wu
Mitzi Montoya	Pankaj Setia
	Delvon Parker (co-chair)

PROFESSIONAL SERVICE:

Panel Chair, Future Trends in Supply Chain Management, Decision Sciences Institute Annual Conference, San Diego, California, November 2010.

Associate Editor, Journal of Supply Chain Management, 2009 – current.

Member, Editorial Advisory Board, Journal of Operations Management, 2002-current

Feature Editor--Research Issues Column, Decision Line, 1994-2007

Reviewer (current), IEEE Transactions, Journal of Operations Management, Decision Sciences, International Journal of Production and Operations Management, International Journal of Production Research, Production and Operations Management Journal, Journal of Product Innovation Management, OMEGA, National DSI Conferences, Doctoral Dissertation Awards Competition (DSI), etc.

Associate Editor, Decision Sciences, 1990-93; 1995-99

PROFESSIONAL SERVICE (con't)

Associate Editor, Journal of Operations Management, 1995-2002

Member, Editorial Board, POMS Journal, 1995-98

Member, Editorial Review Board, Journal of Operations Management, 1989-95

Panel Member for Professional Development Session, Academy of Management, August 6- 8, 1999, Chicago, IL

Group Leader for Production Operations Doctoral Student Consortium, Academy of Management, August 6-8, 1999, Chicago, IL

Panel member for Production Operations Doctoral Student Consortium, Academy of Management, August 8-9, 1997, Boston, Massachusetts

Panel member for Doctoral Student Consortium, POMS-96, Seventh Annual Meeting of POMS, March 29-April 2, 1996 Indianapolis, Indiana

Associate Program Chair, POM-95, Sixth Annual Meeting of the Production and Operations Management Society, October 7-10, 1995, Pittsburgh, PA

Manufacturing Strategy Track Chair, Fifth Annual Meeting of the Production and Operations Management Society, Washington, D.C., 1994

Operations Management Track Chair, 24th Annual National Meeting Decision Sciences Institute, San Francisco, California, 1992

Member, Doctoral Student Affairs Committee, Decision Sciences Institute, 1984-85, 1994-96

Member, Nominating Committee, Decision Sciences Institute, 1994-96

Member, Programs and Meetings Committee, Decision Sciences Institute, 1989-91

Member, Publications Committee, Decision Sciences Institute, 1991-93

Participant, Research Panel on Empirical Research in Operations Strategy, Fifth Annual Meeting of the Production and Operations Management Society, Washington, D.C., 1994

Participant, Operations Management Research Panel, 22nd Annual Meeting Decision Sciences Institute, San Diego, California, November 1990

Participant, Doctoral Student Consortium Panel, 17th Annual Meeting Decision Sciences Institute, Las Vegas, Nevada, 1985

COLLEGE/UNIVERSITY SERVICE:

Broad College – College Advisory Council Member, 2009-current (Served as Chair of Council 2010-2011).

Broad College - Master's Programs Committee, 2005

Broad College - Dean's Portfolio Committee, 2004-05

University Committee on Faculty Affairs Co-Liaison to MSU Board of Trustees,

2004-05

Broad College - Dean's Strategic Planning Committee (for Master's Programs),
2003-04

Departmental Committee to Review Performance of Department Chair, 2003

Chair of the Formulary Subcommittee, University Committee on Faculty Affairs,
2002-03

Chair of the Budget Subcommittee, University Committee of Faculty Affairs, 2002-05
(Led initiative with Professors Wyatt and Whiren to make group long-term care insurance available to MSU faculty members.)

Health Care Oversight Subcommittee, University Committee of Faculty Affairs,
2002-03

Broad College - Dean's Strategic Vision Committee, Broad College 2002-03

University Committee on Faculty Affairs, 2001-2005

Search Committee for Department Chair of Electrical Engineering, College of Engineering, 2001

Chairperson of Departmental Curriculum Committee, 1996-97

Marketing and Supply Chain Departmental Strategic Planning Committee, 1996-97

Broad College - Master's Program Committee, 1996-99

Doctoral Student Admissions Committee, 1984-89, 1991-92, 1995

Broad College - Advisory Committee to the Dean, 1994-96

Broad College - Committee to Design and Develop Weekend MBA for Broad Graduate School of Business Administration, 1994-95 (**This committee was awarded the Richard J. Lewis Quality Award.**)

UNIVERSITY SERVICE (continued):

University Committee on Academic Policy, 1991-93

University Committee on Faculty Tenure 1995-99

Chairperson of Management Department Teaching and Advisory Committee,
1991-93

University Committee for Internal Review of the Mathematics Department, 1989-90

Materials and Logistics Management (MLM) Curriculum Review Committee for Changeover to the Semester System, 1988-89

Management Department Teaching and Advisory Committee, 1984-86, 1991-93

Management Department Chairperson Search Committee, 1984-85

Dr. Vickery has also served on and/or chaired numerous departmental faculty search committees; reappointment review committees; promotion and tenure review committees; and doctoral preliminary exam committees.

CONSULTING:

- The Chrysler Group, DaimlerChrysler (Balanced Scorecard), 2006
- Brunswick Corporation, Muskegon, (Project Management), 1985
- Extensive pro-bono consulting as Co-director of the Institute of Entrepreneurship and Innovation (Demmer Corporation, Peckham Industries, Mistequay Corporation, Quality Dairy Company, etc.)

REFERENCES:

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