

## Sean P. Willems

Haslam College of Business, University of Tennessee  
243 Stokely Management Center, 916 Volunteer Blvd  
Knoxville, TN 37996  
swillems@utk.edu

### Education

*Massachusetts Institute of Technology*, Cambridge, Massachusetts, 1993-1999

Ph.D. in Operations Management, 1999

Thesis title: *Two Papers in Supply-Chain Design: Supply Chain Configuration and Part Selection in Multigeneration Products.*

Dissertation advisor: Professor Stephen C. Graves

M.S in Operations Research, 1996

Thesis title: *Strategic Safety Stock Placement in Integrated Production/Distribution Systems.*

Thesis advisor: Professor Stephen C. Graves

*Wharton School, University of Pennsylvania*, Philadelphia, Pennsylvania, 1990-1993

B.S. in Economics with a concentration in Decision Sciences, 1993

### Professional Experience

2015-Present	Haslam Chair in Supply Chain Analytics Professor of Business Analytics and Statistics Haslam College of Business, University of Tennessee
2016-Present	Visiting Professor of Operations Management MIT Sloan School of Management
2015	Visiting Associate Professor of Operations Management MIT Sloan School of Management
2007-2015	Associate Professor of Operations and Technology Management with Tenure School of Management, Boston University
2001-2007	Assistant Professor of Operations and Technology Management School of Management, Boston University
1998-2001	Assistant Professor of Operations Management College of Business Administration, University of Cincinnati
2010-Present	Chief Scientist Logility, Inc.

1999-2010            Chief Scientist and Co-Founder  
Optiant, Inc.

### **Research Interests**

Developing tactical decision support tools to optimize supply chain decisions. Examples of this work include optimizing inventory levels across the supply chain, optimizing the supply chain configuration for new products, determining vendor selection strategies, and optimizing part purchases for end-of-life products.

### **Courses Taught**

15.762x Supply Chains for Manufacturing: Inventory Analytics (part of MIT MicroMasters Program in Principles of Manufacturing)

15.763x Supply Chains for Manufacturing: Capacity Analytics (part of MIT MicroMasters Program in Principles of Manufacturing)

Supply Chain Analytics (graduate elective)

Analytics Practicum (graduate required capstone)

Time series analysis (graduate elective)

Supply Chain Modeling and Analysis (undergraduate elective)

Supply Chain Modeling Practicum (undergraduate elective)

Operations Management (MBA core class)

Inventory and Production Planning (doctoral program elective)

### **Other Teaching**

Executive MBA Module on Supply Chain Management

NTUC Distance Learning Five-Session Module on Optimal Inventory Placement Strategies in Supply Chains

### **Refereed Publications**

- A1. Mehdi, M. M., L. Wang, and S. P. Willems, "Developing A Maximum Inscribed Rectangle Heuristic To Satisfy Rush Orders For Heavy Steel Plate," to appear in *INFORMS Journal on Applied Analytics (formerly Interfaces)*, accepted March 2020, 27 pages.
- A2. Manary, M. P. and S. P. Willems, "Data Set: 187 Weeks of Customer Forecasts and Orders for Microprocessors from Intel Corporation," to appear in *Manufacturing & Service Operations Management*, accepted August 2019, 15 pages.

- A3. Shen, Y., S. P. Willems, and Y. Dai, "Channel Selection and Contracting in the Presence of a Retail Platform," *Production and Operations Management*, May 2019, Vol. 28, No. 5, pp. 1173-1185.
- A4. Manary, M. P., S. P. Willems, and K. G. Kempf, "Analytics Makes Inventory Planning A Lights-Out Activity at Intel Corporation," *INFORMS Journal on Applied Analytics (formerly Interfaces)*, Jan-Feb 2019, Vol. 49, No. 1, pp. 52-63.
- A5. Arnow, D. and S. P. Willems, "Practice Summary: Intel Calculates the Right Service Level for its Products," *Interfaces*, July-Aug 2017, Vol. 47, No. 4, pp. 362-365.
- A6. Hua, N. G. and S. P. Willems, "Optimally Configuring a Two-Stage Serial Line Supply Chain Under the Guaranteed Service Model," *International Journal of Production Economics*, Nov 2016, Vol. 181, Part A, pp. 98-106.
- A7. Hua, N. G. and S. P. Willems, "Analytical Insights into Two-Stage Serial Line Supply Chain Safety Stock," *International Journal of Production Economics*, Nov 2016, Vol. 181, Part A, pp. 107-112.
- A8. Neale, J. J. and S. P. Willems, "The Failure of Practical Intuition: How Forward-Coverage Inventory Targets Cause the Landslide Effect," *Production and Operations Management*, April 2015, Vol. 24, Issue 4, pp. 535-546.
- A9. Shen, Y. and S. P. Willems, "Modeling Sourcing Strategies to Mitigate Part Obsolescence," *European Journal of Operational Research*, July 2014, Vol. 236, Issue 2, pp. 522-533.
- A10. Klosterhalfen, S. T., Minner, S. and S. P. Willems, "Strategic Safety Stock Placement in Assembly Networks with Dual Sourcing," *Manufacturing & Service Operations Management*, Spring 2014, Vol. 16, No. 2, pp. 204-219.
- A11. Humair, S., J. Ruark, B. Tomlin, and S.P. Willems, "Incorporating Stochastic Lead Times into the Guaranteed Service Model of Safety Stock Optimization," *Interfaces*, Sept-Oct 2013, Vol. 43, No. 5, pp. 421-434.
- A12. Wieland, B., P. Mastrantonio, S. P. Willems, and K. G. Kempf, "Optimizing Inventory Levels within Intel's Channel Supply Demand Operations," *Interfaces*, Nov-Dec 2012, Vol. 42, No. 6, pp. 517-527.
- A13. Shen, Y. and S. P. Willems, "Strategic Sourcing for Short-Lifecycle Products," *International Journal of Production Economics*, Oct 2012, Vol. 139, Issue 2, pp. 575-585.
- A14. Shen, Y. and S. P. Willems, "Coordinating a Channel with Asymmetric Cost Information and the Manufacturer's Optimality," *International Journal of Production Economics*, Jan 2012, Vol. 135, Issue 1, pp. 125-135.

- A15. Tian, F., S. P. Willems, and K. G. Kempf, "An Iterative Approach to Item-Level Tactical Production and Inventory Planning," *International Journal of Production Economics*, Sept 2011, Vol. 133, Issue 1, pp. 439-450.
- A16. Humair, S. and S. P. Willems, "Technical Note: Optimizing Strategic Safety Stock Placement in General Acyclic Networks," *Operations Research*, May/June 2011, Vol. 59, No. 3, pp. 781-787.
- A17. Farasynm I., S. Humair, J. I. Kahn, J. J. Neale, O. Rosen, J. D. Ruark, W. Tarlton, W. Van de Velde, G. Wegryn, and S. P. Willems, "Inventory Optimization at Procter & Gamble: Achieving Real Benefits through User Adoption of Inventory Tools," *Interfaces*, Jan-Feb 2011, Vol. 41, No. 1, pp. 66-78.
- A18. Manary, M. P., S. P. Willems, and A.F. Shihata, "Correcting Heterogeneous and Biased Forecast Error at Intel for Supply Chain Optimization," *Interfaces*, Sept-Oct 2009, Vol. 39, No. 5, pp. 415-427.
- A19. Neale, J. J. and S. P. Willems, "Managing Inventory in Supply Chains with Nonstationary Demand," *Interfaces*, Sept-Oct 2009, Vol. 39, No. 5, pp. 388-399.
- A20. Manary, M. P. and S. P. Willems, "Setting Safety-Stock Targets at Intel in the Presence of Forecast Bias," *Interfaces*, March-April 2008, Vol. 38, No. 2, pp. 112-122.
- A21. Graves, S. C. and S. P. Willems, "Strategic Inventory Placement in Supply Chains: Nonstationary Demand," *Manufacturing & Service Operations Management*, Spring 2008, Vol. 10, No. 2, pp. 278-287.
- A22. Willems, S. P., "Data Set: Real-World Multi-Echelon Supply Chains Used for Inventory Optimization," *Manufacturing & Service Operations Management*, Winter 2008, Vol. 10, No. 1, pp. 19-23.
- A23. Bossert, J. M. and S. P. Willems, "A Periodic Review Modeling Approach for Guaranteed Service Supply Chains," *Interfaces*, Sept-Oct 2007, Vol. 37, No. 5, pp. 420-435.
- A24. Humair, S. and S. P. Willems, "Optimizing Strategic Safety Stock Placement in Supply Chains with Clusters of Commonality," *Operations Research*, July-Aug 2006, Vol. 54, No. 4, pp. 725-742.
- A25. Graves, S. C. and S. P. Willems, "Optimizing the Supply Chain Configuration for New Products," *Management Science*, Aug 2005, Vol. 51, No. 8, pp. 1165-1180.
- A26. Billington, C., G. Callioni, B. Crane, J. D. Ruark, J. Unruh Rapp, T. White, and S. P. Willems, "Accelerating the Profitability of Hewlett-Packard's Supply Chains," *Interfaces*, Jan-Feb 2004, Vol. 34, No. 1, pp. 59-72.
- A27. Graves, S. C. and S. P. Willems, "Erratum: Optimizing Strategic Safety Stock Placement in Supply Chains," *Manufacturing & Service Operations Management*, Spring 2003, Vol. 5, No. 2, pp. 176-177.

- A28. Graves, S. C. and S. P. Willems, "Optimizing Strategic Safety Stock Placement in Supply Chains," *Manufacturing & Service Operations Management*, Winter 2000, Vol. 2, No. 1, pp. 68-83.

### **Book Chapters**

- B1. Graves, S. C. and S. P. Willems, "Supply Chain Design: Safety Stock Placement and Supply Chain Configuration," A. G. de Kok and S. C. Graves, eds. *Handbooks in Operations Research and Management Science Vol. 11, Supply Chain Management: Design, Coordination and Operation*. North-Holland Publishing Company, Amsterdam, The Netherlands. Chapter 3, pp. 95-132, 2004.
- B2. Neale, J. J., B. Tomlin, and S. P. Willems, "The Role of Inventory in Superior Supply Chain Performance," T. Harrison, H. Lee, and J. Neale, eds. *The Practice of Supply Chain Management: Where Theory and Application Converge*. Kluwer Academic Publishers, Norwell, MA, pp. 31-59, 2003.

### **Conference Proceedings**

- C1. Mehdi, M. and S. P. Willems, "Managing Commodity Steel Supply Chain using a New Online Bin Packing Algorithm," 2011 MSOM Conference, University of Michigan, Ann Arbor, MI, June 2011. (refereed)
- C2. Humair, S. and S. P. Willems, "Optimizing Strategic Safety Stock Placement in General Acyclic Networks," 2006 MSOM Conference, Georgia Institute of Technology, Atlanta, GA, June 2006. (refereed)
- C3. Willems, S. P. and N. G. Hua, "Analytical Insights into the Two-Stage Serial Line Supply Chain Configuration Problem," 2006 MSOM Conference, Georgia Institute of Technology, Atlanta, GA, June 2006. (refereed)
- C4. Graves, S. C. and S. P. Willems, "Optimizing the Supply Chain Configuration for New Products," 2000 MSOM Conference, University of Michigan, Ann Arbor, MI, June 2000.
- C5. Graves, S. C. and S. P. Willems, "Strategic Safety Stock Placement in Supply Chains," Proceedings of 1996 MSOM Conference, Dartmouth College, Hanover, NH, June 1996.

### **Non-Refereed Publications**

- D1. Willems, S. P., "Demystifying Inventory Optimization," *Supply Chain Management Review*, March/April 2015, pp. 24-30.
- D2. Willems, S. P., "Inventory Optimization: Evolving from Fad to Necessity," *Supply Chain Management Review*, March/April 2013, pp. 10-17.
- D3. Willems, S. P., "Taking the Worthwhile Trip from S&OP to SIOP," *Journal of Business Forecasting*, Spring 2012, pp. 23-26.

- D4. Willems, S. P., "How Inventory Optimization Opens Pathways to Profitability," *Supply Chain Management Review*, March/April 2011, pp. 30-36.
- D5. Jones, M. A., Kern, R., and S. P. Willems, "Pilot Study Indicates Potential to Reduce Costs for All Parties in Integrated Supply Chain," *Radiology Management*, 2000, Vol. 22, pp. 16-19.

### **Teaching Cases**

- F1. Willems, S. P., "Forecasting Demand for the 2013 Holiday Selling Season," November 2013, 1 page.
- F2. Willems, S. P., "When to Ship Orders for the Holiday Selling Season," November 2013, 1 page.
- F3. Willems, S. P., "How Best to Fulfill Customer Orders," November 2013, 1 page.
- F4. Ladiwala, M., Meyers, J., and S. P. Willems, "The Greater Boston Food Bank," February 2002, 24 pages.
- F5. Willems, S. P., "Eastman Kodak Company: Designing the Next-Generation Health Imaging Supply Chain," February 2001, 25 pages.

### **Presentations (incomplete listing)**

- 1. "What Prevents The Application Of Inventory Theory In Practice," (With L. Wang), POMS Annual Conference, Washington DC, May 2019.
- 2. "A Spare Parts Sourcing Policy With Additive Manufacturing," (with T. Cokyasar and M. Jin), INFORMS National Meeting, Phoenix, AZ, November 2018.
- 3. "Reprise: Analytics Makes Inventory Planning A Lights-Out Activity at Intel Corporation," (with Intel Corporation), INFORMS National Meeting, Phoenix, AZ, November 2018.
- 4. "What Prevents The Application Of Inventory Theory In Practice?," 20th International Symposium on Inventories, Budapest, Hungary, August 2018.
- 5. "Teaching Inventory Optimization In 11 Class Sessions," 20th International Symposium on Inventories, Budapest, Hungary, August 2018.
- 6. "Employing Resampling Techniques to Improve Inventory Targets for Low-demand Items," (with L. E. Wang), POMS Annual Conference, Houston, TX, May 2018.
- 7. "Tying Inventory to the Financials: Measuring How Lot Size Impacts Excess and Obsolescence Charges," (with L. E. Wang), POMS Annual Conference, Houston, TX, May 2018).

8. "Analytics Makes Inventory Planning A Lights-Out Activity at Intel Corporation," (with Intel Corporation), INFORMS Analytics Conference, Baltimore, MD, April 2018.
9. "Panel, Best Practices in Building an Integrated Supply Chain," CSCMP National Meeting, Atlanta, GA, September 2017.
10. "Optimizing Inventory Targets using a Data-driven Maximum Coverage Approach," (with L. E. Wang), POMS Annual Conference, Seattle, WA, May 2017.
11. "Panel, Succeeding Through the Tenure Years," INFORMS National Meeting, Nashville, TN, November 2016.
12. "Empowering Analysts to Employ Inventory Analytics," INFORMS Conference on Business Analytics and Operations Research, Orlando, FL, April 2016.
13. "Analytical Insights into Two-Stage Serial Line Supply Chain Safety Stock," (with N. G. Hua), 18th International Symposium on Inventories, Budapest, Hungary, August 2014.
14. "Analytical Insights into Two-Stage Serial Line Supply Chain Configuration Problem," (with N. G. Hua), 18th International Symposium on Inventories, Budapest, Hungary, August 2014.
15. "Guide for Multi-Echelon Inventory Optimization Projects: Lowering Inventory While Improving Service Levels," INFORMS Conference on Business Analytics and Operations Research, San Antonio, TX, April 2013.
16. "Introduction to Quantitative Multi-Echelon Inventory Optimization: Math You Can Apply Today," CSCMP National Meeting, Denver, CO, October 2013.
17. "A Panel Discussion on Academic-industry Collaboration," (with A Erera, R. Nuggehalli, J. Own, and L. V. Snyder), INFORMS National Meeting, Minneapolis, MN, October 2013.
18. "Incorporating Stochastic Lead Times into the Guaranteed Service Model of Safety Stock Optimization," (with S. Humair, J. D. Ruark, and B. Tomlin), INFORMS National Meeting, Phoenix, AZ, October 2012.
19. "A Guide for Multi-echelon Inventory Optimization Projects: Lowering Inventory while Implementing Postponement Strategies," CSCMP National Meeting, Atlanta, GA, October 2012.
20. "A Finite Horizon Optimal Policy Problem for a By-Product System," (with F. Tian), DSI Annual Meeting, Boston, MA, November 2011.
21. "Putting an 'I' in Sales and Operations Planning," CSCMP National Meeting, Philadelphia, PA, October 2011.
22. "Putting an 'I' in S&OP," IE Group Conference, Boston, MA, September 2011.

23. "Managing Commodity Steel Supply Chain Using a New Online Bin Packing Algorithm," (with M. Mehdi), MSOM Conference, Ann Arbor, MI, June 2011.
24. "Optimal Production and Allocation Policies for a By-Product Problem," (with F. Tian), DSI Annual Meeting, San Diego, CA, November 2010.
25. "Reprise of P&G 2010 Edelman presentation," (with W. Tarlton, G. Wegryn), INFORMS National Meeting, Austin, TX, November 2010.
26. "Inventory Optimization at Procter & Gamble: Achieving Real Benefits through User Adoption of Inventory Tools," (with I. Farasym, S. Humair, J. I. Kahn, J. J. Neale, O. Rosen, J. D. Ruark, W. Tarlton, W. Van de Velde, G. Wegryn), INFORMS Practice Conference, 2010 Franz Edelman Competition, Orlando, FL, April 2010.
27. "Misalignment in the Timing of Seasonal Demand and Supply: The Landslide Effect," (with J. J. Neale), INFORMS National Meeting, San Diego, CA, October 2009.
28. "Optimizing Strategic Safety Stock Placement in General Acyclic Networks," (with S. Humair), INFORMS National Meeting, San Diego, CA, October 2009.
29. "Implementing the Guaranteed Service Model for Safety Stock Optimization at Procter and Gamble," (with L. Barrett and J. J. Neale), MSOM Supply Chain Management SIG 2009 Conference, Cambridge, MA, June 2009.
30. "Managing Inventory in Supply Chains with Non-Stationary Demand," (with J. J. Neale), INFORMS Conference on OR/MS Practice, Phoenix, AZ, April 2009.
31. "Managing Inventory in Supply Chains with Non-Stationary Demand," (with J. J. Neale), INFORMS National Meeting, Washington D.C., October 2008.
32. "Correcting Heterogeneous & Biased Forecast Error at Intel for Supply Chain Optimization," (with M. P. Manary), INFORMS National Meeting, Washington D.C., October 2008.
33. "Augmenting S&OP with Strategic and Tactical Inventory Optimization," CSCMP National Meeting, Denver, October 2008.
34. "Iterative Approach to Item-Level Tactical Production and Inventory Planning," (with K. G. Kempf and F. Tian), 15th International Symposium on Inventories, Budapest, Hungary, August 2008.
35. "Tutorial on Adding Inventory Optimization to your Company's Planning Process," INFORMS Conference on OR/MS Practice, Baltimore, MD, April 2008.
36. "Use of Multi-Echelon Management Tools as a Defense Against Global Risk," CSCMP National Meeting, Philadelphia, October 2007.



37. "Driving Model Adoption from Experts to Business Users," INFORMS Conference on OR/MS Practice, Vancouver, CA, April 2007.
38. "A Periodic Review Modeling Approach for Guaranteed Service Supply Chains," (with J. M. Bossert), INFORMS National Meeting, Pittsburgh, November 2006.
39. "Analytical Insights into the Two-Stage Serial Line Supply Chain Configuration Problem," (with N. G. Hua) , INFORMS National Meeting, Pittsburgh, November 2006.
40. "Modeling the Service Level of a Two Customer Make-to-Stock Production System," (with F. Tian), INFORMS National Meeting, Pittsburgh, November 2006.
41. "A Tutorial on Multi-Echelon Inventory Optimization," CSCMP National Meeting, San Antonio, October 2006.
42. "Optimizing Strategic Safety Stock Placement in General Acyclic Networks" (with S. Humair), MSOM Conference, Atlanta, GA, June 2006.
43. "Analytical Insights into the Two-Stage Serial Line Supply Chain Configuration Problem" (with N. G. Hua), MSOM Conference, Atlanta, GA, June 2006.
44. "Best in Class Supply Chain Planning in the Complex Medical Device Industry," (with B. Cantow), CSCMP NERT, Boston, May 2006.
45. "Optimal Inventory Placement in Acyclic Networks" (with S. Humair), INFORMS National Meeting, Denver, October 2004.
46. "Stock Rationing Policy for a Make-to-Stock System with Two Priority Classes and Tagged Orders" (with F. Tian), INFORMS National Meeting, Denver, October 2004.
47. "Achieving Operational Excellence: A Case Study" (with B. Cantow and T. Jackson), CLM National Conference, Philadelphia, October 2004.
48. "Control-Oriented Approaches to Supply Chain Management in Semiconductor Manufacturing: Strategic Inventory Placement Module," American Control Conference, June 2004.
49. "Tutorial: Optimizing Strategic Safety Stock Placement in Supply Chains," INFORMS Conference on OR/MS Practice, Cambridge, April 2004.
50. "Modeling and Optimization of Supply Chains: Opportunities, Experiences and Challenges," (with S. C. Graves), Joint MIT/INFORMS Symposium, Cambridge, April 2004.
51. "Optimal Inventory Placement in Networks with Clusters of Commonality," (with S. Humair), INFORMS National Meeting, San Jose, October 2003.

52. "Accelerating the Profitability of Hewlett-Packard's Supply-Chains," (with C Billington, G. Callioni, B. Crane, J. D. Ruark, J. Unruh Rapp, T. White), INFORMS Practice Conference, 2003 Franz Edelman Competition, Phoenix, May 2003.
53. "Strategic Inventory Placement in Supply Chains: Recent Developments and New Directions," (with S. C. Graves), ISE UFL Conference on Optimization in Supply Chain Management and eCommerce, Gainesville, March 2003.
54. "Optimal Configuration of the Multicompany Supply Chain," INFORMS National Meeting, San Jose, November 2002.
55. "Integrating Theory into Practical Use," INFORMS National Meeting, San Jose, November 2002.
56. "Optimal Configuration Strategies for New Product Supply Chains," Boston University Manufacturing Engineering Emerging Technology and Best Practices Seminar, Boston, November 2002.
57. "The Impact of Cost-Information Sharing in a Two-Echelon Supply Chain," (with Y. Shen), MSOM Conference, Ithaca, June 2002.
58. "Optimal Inventory Placement in Networks with Commonality," (with S. Humair), Multi-Echelon Inventory Conference, Ithaca, June 2002.
59. "Optimal Inventory Strategies," Procter and Gamble Analytics Center of Expertise Meeting, Cincinnati, June 2002.
60. "Optimizing the Supply-Chain Configuration for New Products," (with S. C. Graves), ISE UFL Conference on Optimization in Supply Chain Management and eCommerce, Gainesville, March 2002.
61. "Lessons from Optiant," MIT \$50K Spring Kick Off, Cambridge, February 2002.
62. "Strategic Sourcing Strategies," AMR & Optiant Executive Seminar, Cambridge, September 2001.
63. "Coordinating Life Cycle Transitions & Capacity Acquisition for Remanufacturable Products," INFORMS National Meeting, San Antonio, November 2000.
64. "Optimizing the Supply Chain Configuration for New Products," (with S. C. Graves), Frank Batten Young Scholars Program, Williamsburg, June 2000.
65. "Coordinating Life Cycle Transitions and Capacity Acquisition for Remanufacturable Products," MSOM Conference, Ann Arbor, June 2000.
66. "Optimizing the Supply Chain Configuration for New Products," (with S. C. Graves), MSOM Conference, Ann Arbor, June 2000.

67. "Determining the Optimal Supply Chain Structure for a Hospital Network," INFORMS National Meeting, Salt Lake City, May 2000.
68. "Strategic Safety Stock Placement in Supply Chains with Non-stationary Demand," (with S. C. Graves), INFORMS National Meeting, Philadelphia, November 1999.
69. "Optimal Supply Chain Configuration Strategies for New Products," (with S. C. Graves), INFORMS National Meeting, Cincinnati, May 1999.
70. "Safety Stock Placement in Supply Chains with Nonstationary Demand," (with S. C. Graves), INFORMS National Meeting, Montreal, April 1998.
71. "Optimizing Strategic Safety Stock Placement in Supply Chains," (with W. N. Carleton and S. C. Graves), CLM Annual Conference, Chicago, October 1997.
72. "Strategic Safety Stock Placement in Supply Chains," (with S.C. Graves), INFORMS National Meeting, San Diego, May 1997.
73. "Strategic Safety Stock Placement in Supply Chains," (with S.C. Graves), MSOM Conference, Hanover, June 1996.

## **Grants**

1. "Managing Low-Volume Demand Operations," funded by Thermo Fisher Scientific (2017, 2018) – \$100,000
2. "Managing Supply and Demand Stochasticity in Supply Chains," funded by Boston Scientific (2006), Gillette (2006), Intel Research Council (2003, 2004, 2005, 2006), and Optiant (2005) – \$292,500
3. "Enabling Web-based Supply Chain Optimization at the School of Management," funded by Boston University's Instructional Technology Grant Program (2002) – \$9,728
4. "Developing Multimedia Instructional Development Center," funded by University of Cincinnati Faculty Development Council, (with J. Evans et al.), (2000) – \$13,835
5. "Optimal Life Cycle Management in Single-Use Cameras," funded by Eastman Kodak (1999) – \$24,000
6. "Optimizing the Film Supply Chain between Kodak and the Health Alliance," funded by Eastman Kodak (1999) – \$20,000
7. "Developing Optimization Techniques for Product Development," funded by Eastman Kodak (1999) – \$20,000
8. "Developing Visual Basic Applications for MBA Students," funded by University of Cincinnati Faculty Development Council (1999) – \$2,000
9. "Optimizing Inventory Placement in LVEM," funded by Eastman Kodak (1998) – \$15,000

## **Awards**

1. Selected as a semi-finalist for 2019 Daniel H. Wagner Prize for Excellence in Operations Research Practice, 2019.
2. Selected as a finalist for 2018 Franz Edelman Award for Achievement in Operations Research and the Management Sciences, 2018.
3. MSBA Faculty Excellence in Teaching Award, MS Business Analytics students, Haslam College of Business, 2017
4. Selected as a finalist for 2012 Daniel H. Wagner Prize for Excellence in Operations Research Practice, 2012.
5. Selected as a finalist for the 2010 Franz Edelman Award for Achievement in Operations Research and the Management Sciences, 2010.
6. Selected in 2008 by DHL for Most Innovative Young Scientist DHL Innovation Award
7. Winner of 2008 Daniel H. Wagner Prize for Excellence in Operations Research Practice.
8. Selected as a finalist for 2006 Daniel H. Wagner Prize for Excellence in Operations Research Practice.
9. Selected as a finalist for the 2003 Franz Edelman Award for Achievement in Operations Research and the Management Sciences, 2003
10. Selected in 2002 by *Technology Review* magazine as a TR100 nominee as one of the top 100 innovators under 35 years of age
11. Selected in 2002 by *iSource* magazine as a supply chain "Pro to Know"

## **Professional Organizations**

INFORMS

MSOM

POMS

Council of Supply Chain Management Professionals (formerly, Council of Logistics Management)

## **Professional Service**

Deputy Editor *INFORMS Journal on Applied Analytics* (formerly *Interfaces*), 2017 to present

Department Editor *POM Practice – Production and Operations Management*, 2016 to present

Organizing Committee, Practice Program Co-Chair, INFORMS Annual Conference, 2016

Associate Editor – *Manufacturing & Service Operations Management*, 2005, 2008 to 2014

Senior Editor – *Production and Operations Management*, 2013 to present

Ad Hoc Referee for the following organizations and journals

*European Journal of Operational Research*

*Interfaces*

*Management Science*

*National Science Foundation*

*Naval Research Logistics*

*Operations Research*

Reappointment Committee for the Editor in Chief of *Interfaces*, 2013

Advisory Council Member for INFORMS Conference on OR/MS Practice, 2004, 2005, 2006, 2007, 2008, 2009, 2010

INFORMS Prize Committee, 2009, 2010

INFORMS Practice Committee, 2009, 2010

Council of Logistics Management New England Roundtable

Board of Directors and VP of Education, 2002 –2004

Education Subcommittee, 2001 – 2005

## **University Service**

University of Tennessee

Advanced Supply Chain Collaborative, Co-Director, 2018 –

Operations Management Faculty Search Committee Chair, 2018

Haslam College of Business, Promotion and Tenure Committee, 2017 – present

Melton Scholars advisor, 2017, 2018

University of Tennessee, Data Sciences Cluster Task Force, 2017

Business Analytics Ph.D. Program Director, 2016 – present

Business Analytics Strategic Planning Co-Chair, 2016 – 2017

Boston University

Operations Management Faculty Search Committee Chair, 2014

One Year Global MBA Design Committee, 2014

Operations Management Faculty Search Committee Chair, 2013

Operations Management Faculty Navigator, 2013 – 2015

Operations Management Faculty Search Committee Chair, 2012

PhD Program Development Committee, 2005 – 2015

MBA Program Redesign Committee, 2011 – 2012

Operations Management Faculty Search Committee, 2007

Academic Conduct Committee, 2003 – 2005

Operations Management Faculty Search Committee, 2003  
Operations Management Doctoral Program Design Committee, 2002 – 2003  
Net Impact Case Competition Judge, 2002  
Organizer for Operations Management Speaker Series, 2001 – 2002  
Redesign Committee for MBA Core Operations Management Class, 2001  
School of Management, Bronner E-Business Center, Business Plan Mentor, 2001

#### University of Cincinnati

College of Business Advisory Committee on Master's Programs, 1999 to 2001.  
University of Cincinnati MBA Case Competition Judge, 1999, 2000.  
Statistics Faculty Search Committee, 1999.

### **Thesis Supervision**

#### Doctoral Graduates

N. Grace Hua, "Analytical Insights for Supply Chain Cost and Leadtime Changes," D.B.A. from Boston University, 2007, employed at Microsoft.

Mehdi M. Muntazir, "Managing Commodity Steel Supply Chain: New Online & Offline Binpacking Algorithms," D.B.A. from Boston University, 2011, employed at Microsoft.

Yuelin Shen, "Strategic Sourcing for Short Lifecycle Products," D.B.A. from Boston University, 2004; employed as Associate Professor at Donghua University.

Feng Tian, "Integrated Inventory and Production Planning in Semiconductor Supply Chain," D.B.A. from Boston University, 2008, employed as Associate Professor at Governors State University.

Le Wang, "Practice-driven Heuristics in Manufacturing and Supply Chain Management," Ph.D. from Boston University, 2019, employed at Amazon.