



**Sıla Çetinkaya, Ph.D.**  
**Cecil H. Green Professor of Engineering**  
**OREM Department, Lyle School of Engineering, SMU**

### **Academic Degrees**

- Ph.D., Management Science/Systems (Minor: Statistics), [McMaster University](#), 1996
- M.S., Industrial Engineering, [Bilkent University](#), 1991
- B.S., Industrial Engineering, [Istanbul Technical University](#), 1989

### **Research Interests**

- Supply Chain and Service Operations Engineering: Inventory Theory, Distribution Logistics, Transportation, Coordination and Contracts, Pricing, Closed-Loop Supply Chains, Healthcare Operations
- Advanced Analytics: Decision Making under Uncertainty
- Stochastic Optimal Control
- Dynamic Optimization
- Applied Probability and Stochastic Modeling

### **Appointments**

- 2014-Present, Cecil H. Green Professor of Engineering, Professor of Lyle OREM Department, and Professor of Cox ITOM Department (by courtesy)
- 2015-Present, Chair, Lyle OREM Department, SMU
- 2017-Present, Adjunct Professor, Internal Medicine, UTSW Medical Center
- 2016-2019, Senior Fellow, Hunt Institute for Engineering and Humanity, SMU
- 2013-2014, Professor and Associate Head, Industrial and Systems Engineering, TAMU
- 2009-2014, Professor, Industrial and Systems Engineering, TAMU
- 2003-2009, Associate Professor, Industrial and Systems Engineering, TAMU
- 1997–2003, Assistant Professor, Industrial and Systems Engineering, TAMU

### **Visiting Faculty Appointments**

- March-Aug'13, Visiting Professor, Industrial Engineering, Koç University, Istanbul, Turkey

- Apr'06, Visiting Faculty, Industrial and Systems Engineering, University of Florida
- May'02, Visiting Scholar, Industrial Engineering and Engineering Management, Hong Kong University of Science and Technology, Hong Kong, China

### **Current Editorial Appointments**

- Department Editor, Supply Chains, ISE Transactions on Scheduling and Logistics
- Associate Editor, Naval Research Logistics
- Editorial Board Member, International Journal of Inventory Research

### **Selected Honors and Distinctions**

#### **Scholarly Recognition: International/National/Society Level**

- Fellow, Institute of Industrial & Systems Engineers, 2012.
- Best Paper Prize in Scheduling and Logistics, in collaboration with X. Liu, ISE Transactions on Scheduling and Logistics, 2010.
- Finalist for Daniel Wagner Prize in Operations Research Practice, in collaboration with H. Üster, G. Easwaran, and B. B. Keskin, INFORMS, 2008.
- Feature article in IE Magazine for "Üster, H., B. B. Keskin, and S. Çetinkaya, "Integrated Warehouse Location and Inventory Decisions in a Three-Tier Distribution System," *IIE Transactions on Scheduling and Logistics*, Vol. 40, No. 8, pp. 718–732, 2008," August 2008.
- Selected for Frontiers of Engineering, National Academy of Engineering, 2005.
- Feature article in IE Magazine for "Liu, X. and S. Çetinkaya, "Designing Supply Contracts in Supplier- versus Buyer-Driven Channels," *IIE Transactions on Scheduling and Logistics*, Vol. 41, No. 8, pp. 687–701, 2009," November 2003.
- Outstanding Young Industrial Engineer, Institute of Industrial Engineers, 2003.
- CAREER Award, National Science Foundation, 2001–2006.

#### **Scholarly Recognition: University/College Level**

- Cecil H. Green Professor of Engineering, SMU, 2014-present.
- William O. and Montine P. Head Faculty Fellow, TAMU, 2011.
- Dwight Look College of Engineering Dean's Merit Award, TAMU, 2010.
- E.D. Brockett Professorship, TAMU, 2006.
- TEES Fellow, Texas Engineering Experiment Station, TAMU, 2006.
- Dwight Look College of Engineering Fellow, TAMU, 2006.
- Dwight Look College of Engineering Fellow, TAMU, 2003.

#### **Recognition of Teaching Excellence**

- Logistics and Supply Chain Divisions Annual Teaching Award, Institute of Industrial & Systems Engineers, 2015.

- Alpha Pi Mu Outstanding Professor, TAMU, 2009.
- BP Faculty Award for Teaching Excellence, TAMU, 2004.

Service Recognition: International/National/Society Level

- Moving Spirit Award, INFORMS, 2011.
- Meritorious Service Award, Operations Research, INFORMS, 2002.
- Silver Award, Faculty Advisor, Student Chapter Recognition Program, 2001 and 2002, Institute of Industrial & Systems Engineers.

Service Recognition: University/College Level

- Student Organization Advisor of the Year Award, Department of Student Activities, TAMU, 2011
- Registered Student Organization New Advisor of the Year for 2008-2009, Department of Student Activities, TAMU.
- INFORMS Student Chapter Faculty Appreciation Award, TAMU, 2006.

**Peer-Reviewed Journal Publications** (Underlined co-authors are graduate and post-doctoral advisees)

Under Review

- Bountali, O., S. Çetinkaya, and V. Ahuja, "On the Impact of Treatment Restrictions for the Indigent Suffering from a Chronic Disease: The Case of Compassionate Dialysis," submitted to *Service Science*, under second revision.
- Zhang, L., S. Çetinkaya, and E. Tekin, "Stochastic Dynamic Inventory Problem under Outbound Shipment Consolidation and Transportation Costs," submitted to *Transportation Science*, under second revision.
- Liu, X. and S. Çetinkaya, "The Impact of Incoming Supply Quality on Contract Design with Lot-sizing and Information Updating Considerations," submitted to *IIE Transactions*, under first revision.

Forthcoming

- Wei, B., S. Çetinkaya, D. B. H. Cline, "Analytical Results on the Service Performance of Stochastic Clearing Systems," forthcoming in *Probability in the Engineering and Informational Sciences*, 2020, <https://arxiv.org/abs/1912.05904>.
- Y. Zhang, E. Akçalı, and S. Çetinkaya, "An Analytical Investigation of Alternative Batching Policies for Remanufacturing under Stochastic Demands and Returns," *IIE Transactions*, 2020, <https://doi.org/10.1080/24725854.2020.1817632>.

Published

- Mutlu, F. and S. Çetinkaya, "Supplier-Carrier-Buyer Channels: Contractual Pricing for a Carrier Serving a Supplier-Buyer Partnership," *International Journal of Production Research*, Vol. 230, 2020, <http://doi.org/10.1016/j.ijpe.2020.107876>.
- Zhang, L. and S. Çetinkaya, "Stochastic Dynamic Inventory Problem under Explicit Inbound Transportation Cost and Capacity," *Operations Research*, Vol. 65, No. 2, pp. 1267—1274, 2017, <https://doi.org/10.1287/opre.2017.1625>.
- Çetinkaya, S., Y. Zhang, and E. Akçali, "Vendor-Buyer Inventory Problem Revisited: Modeling Random Yield and Trade Credit," *Journal of the Operational Research Society*, First Online: 01/09/2017, <https://doi.org/10.1057/s41274-016-0110-6>.
- Toptal, A. and S. Çetinkaya, "The Impact of Price Skimming on Supply and Exit Decisions," *Applied Stochastic Models in Business and Industry*, Vol. 31, No. 4, pp. 551—574, 2015.
- Zhu, X. and S. Çetinkaya, "A Stochastic Inventory Model for an Immediate Liquidation and Price-Promotion Decision under Price-Dependent Demand," *International Journal of Production Research*, Vol. 53, No. 12, pp. 3789—3809, 2015.
- Çetinkaya, S., F. Mutlu, and B. Wei, "On the Service Performance of Alternative Shipment Consolidation Policies," *Operations Research Letters*, Vol. 42, No. 1, pp. 41—47, 2014.
- Katariya, A., S. Çetinkaya, and E. Tekin, "Cyclic Consumption and Replenishment Decisions for Vendor-Managed Inventory of Multi-sourced Parts in Dell's Supply Chain," *Interfaces*, Vol. 44, No. 3, pp. 300—316, 2014.
- Çetinkaya, S., Keskin, B. B., and H. Üster, "Characterization of Facility Assignment Costs for a Location-Inventory Model under Truckload Distribution," *Journal of the Operational Research Society*, Vol. 65, No. 9, pp. 1371—1379, 2014.
- Katariya, A., E. Tekin, and S. Çetinkaya, "A Capacitated Replenishment-Liquidation Model under Contractual and Spot Markets," *Probability in Engineering and Informational Sciences*, Vol. 28, No. 2, pp. 223-269, 2014.
- Katariya, A., S. Çetinkaya, and E. Tekin, "On the Comparison of Risk Neutral and Risk Averse Newsvendor Problems," *Journal of the Operational Research Society*, Vol. 65, No. 7, pp. 1090—1107, 2014.

- Mutlu, F. and S. Çetinkaya, "Pricing Decisions in a Carrier-Retailer Channel under Price-Sensitive Demand and Contract-Carriage with Common-Carriage Option," *Transportation Research E*, Vol. 51, No. 0, pp. 28–40, 2013.
- Karakayalı, I, E. Akçalı, S. Çetinkaya, and H. Üster, "Capacitated Replenishment and Disposal Planning for Multiple Products with Resalable Returns," *Annals of Operations Research*, Vol. 203, No. 1, pp. 325–350, 2013.
- Mutlu, F. and S. Çetinkaya, "Coordination in Retailer-Carrier Channels for Long Term Planning," *International Journal of Production Economics*, Vol. 133, No. 1, pp. 360–369, 2011.
- Liu, X. and S. Çetinkaya, "The Supplier-Buyer Integrated Production-Inventory Model with Random Yield," *International Journal of Production Research*, Vol. 49, No. 13, pp. 4043–4061, 2011.
- Akçalı, E. and S. Çetinkaya, "Quantitative Models for Inventory and Production Planning in Closed-Loop Supply Chains," *International Journal of Production Research*, Vol. 49, No. 8, pp. 2373–2407, 2011.
- Hwang, H.-C., W. Jaruphongsa, S. Çetinkaya, and C.-Y. Lee, "Capacitated Dynamic Lot-Sizing Problem with Delivery/Production Time Windows," *Operations Research Letters*, Vol. 38, No. 5, pp. 408–413, 2010.
- Mutlu, F. and S. Çetinkaya, "An Integrated Model for Stock Replenishment and Shipment Scheduling under Common Carrier Dispatch Costs," *Transportation Research E*, Vol. 46, No. 6, pp. 844–854, 2010.
- Keskin, B. B., H. Üster, and S. Çetinkaya, "Integration of Strategic and Tactical Decisions for a Generalized Vendor Selection Problem with Capacity Considerations," *Computers and Operations Research*, Vol. 37, No. 12, pp. 2182–2191, 2010.
- Çetinkaya, S. and M. Parlar, "A One-Time Excess Inventory Disposal Decision Under a Stationary Base-Stock Policy," *Stochastic Analysis and Applications*, Vol. 28, No. 3, pp. 540–557, 2010.
- Mutlu, F., S. Çetinkaya, and J. H. Bookbinder, "An Analytical Model for Computing the Optimal Time-and-Quantity Policy for Consolidated Shipments," *IIE Transactions on Operations Engineering*, Vol. 42, No. 5, pp. 367–377, 2010.
- Çetinkaya, S., H. Üster, G. Easwaran, and B. B. Keskin, "An Integrated Outbound Logistics Model for Frito-Lay: Coordinating Aggregate Level Production and Distribution Decisions," *Interfaces*, Vol. 39, No. 5, pp. 460–475, 2009.

- Liu, X. and S. Çetinkaya, "Designing Supply Contracts in Supplier- versus Buyer-Driven Channels," *IIE Transactions on Scheduling and Logistics*, Vol. 41, No. 8, pp. 687–701, 2009.
- Akçalı, E., S. Çetinkaya, H. Üster, "Network Design for Reverse and Closed-Loop Supply Chains: An Annotated Bibliography of Models and Solution Approaches," *Networks*, Vol. 53, No. 3, pp. 231–248, 2009.
- Üster, H., B. B. Keskin, and S. Çetinkaya, "Integrated Warehouse Location and Inventory Decisions in a Three-Tier Distribution System," *IIE Transactions on Scheduling and Logistics*, Vol. 40, No. 8, pp. 718–732, 2008.
- Toptal, A. and S. Çetinkaya, "Quantifying the Value of Channel Coordination: Analytical and Numerical Results," *European Journal of Operational Research*, Vol. 187, No. 3, pp. 785–805, 2008.
- Çetinkaya, S., E. Tekin, and C.-Y. Lee, "A Stochastic Model for Joint Inventory and Outbound Shipment Decisions," *IIE Transactions on Design and Manufacturing*, Vol. 40, No. 3, pp. 324–340, 2008.
- Üster, H., G. Easwaran, E. Akçalı, and S. Çetinkaya, "Benders Decomposition with Alternative Multiple Cuts for a Multi-Product Closed-Loop Supply Chain Network Design Model," *Naval Research Logistics*, Vol. 54, No. 8, pp. 890–907, 2007.
- Jaruphongsa, W., S. Çetinkaya, and C.-Y. Lee, "Outbound Shipment Mode Considerations for Integrated Inventory and Delivery Lot-Sizing Decisions," *Operations Research Letters*, Vol. 35, No. 6, pp. 813–822, 2007.
- Liu, X., and S. Çetinkaya, "A Note on Quality Improvement and Setup Reduction in the Joint Economic Lot-Size Model," *European Journal of Operational Research*, Vol. 182, No. 1, pp. 194–204, 2007.
- Atasu, A. and S. Çetinkaya, "Lot Sizing for Optimal Collection and Use of Remanufacturable Returns over a Finite Life-Cycle," *Production and Operations Management*, Vol. 15, No. 4, pp. 473–487, 2006.
- Toptal, A. and S. Çetinkaya, "Contractual Agreements and Vendor Managed Delivery Under Explicit Transportation Considerations," *Naval Research Logistics*, Vol. 53, No. 5, pp. 397–417, 2006.
- Çetinkaya, S., F. Mutlu, and C.-Y. Lee, "A Comparison of Outbound Dispatch Policies for Integrated Inventory and Transportation Decisions," *European Journal of Operational Research*, Vol. 171, No. 3, pp. 1094–1112, 2006.
- Jaruphongsa, W., S. Çetinkaya, and C.-Y. Lee, "A Dynamic Lot-Sizing Model with Multi-Mode Replenishments: Polynomial Algorithms for Special Cases with

Dual and Multiple Modes,” *IIE Transactions on Scheduling and Logistics*, Vol. 37, No. 5, pp. 453–467, 2005.

- Jaruphongsa, W., S. Çetinkaya, and C.-Y. Lee, “A Two-Echelon Inventory Optimization Model with Demand Time Window Considerations,” *Journal of Global Optimization*, Vol. 30, No. 5, pp. 357–366, 2004.
- Jaruphongsa, W., S. Çetinkaya, and C.-Y. Lee, “Warehouse Space Capacity and Demand Time Window Considerations in Dynamic Lot-Sizing for a Simple Supply Chain,” *International Journal of Production Economics*, Vol. 92, No. 2, pp. 169–180, 2004.
- Çetinkaya, S. and M. Parlar, “Computing a Stationary Base-Stock Policy for a Finite Horizon Problem with Non-linear Stockout Costs,” *Stochastic Analysis and Applications*, Vol. 22, No. 3, pp. 589–625, 2004.
- Lee, C.-Y., S. Çetinkaya, and W. Jaruphongsa, “A Dynamic Model for Inventory Lot-Sizing and Outbound Shipment Scheduling at a Third Party Warehouse,” *Operations Research*, Vol. 35, No. 5, pp. 735–747, 2003.
- Toptal, A., S. Çetinkaya, and C.-Y. Lee, “The Buyer-Vendor Coordination Problem: Modeling Inbound and Outbound Cargo Capacity and Costs,” *IIE Transactions on Scheduling and Logistics*, Vol. 35, No. 11, pp. 987–1002, 2003.
- Çetinkaya, S. and J. H. Bookbinder, “Stochastic Models for the Dispatch of Consolidated Shipments,” *Transportation Research B*, Vol. 37, No. 8, pp. 747–768, 2003.
- Çetinkaya, S. and M. Parlar, “Optimality Conditions for an  $(s, S)$  Policy with Proportional and Lump-Sum Penalty Costs,” *Management Science*, Vol. 48, No. 12, pp. 1635–1639, 2002.
- Çetinkaya, S. and C.-Y. Lee, “Optimal Outbound Dispatch Policies: Modeling Inventory and Cargo Capacity,” *Naval Research Logistics*, Vol. 49, No. 6, pp. 531–556, 2002.
- Lee, C.-Y., S. Çetinkaya, and A. P. M. Wagelmans, “Dynamic Lot-Sizing Model with Demand Time Windows,” *Management Science*, Vol. 47, No. 10, pp. 1384–1395, 2001.
- Çetinkaya, S. and C.-Y. Lee, “Stock Replenishment and Shipment Scheduling for Vendor Managed Inventory Systems,” *Management Science*, Vol. 46, No. 2, pp. 217–232, 2000.
- Çetinkaya, S. and M. Parlar, “Nonlinear Programming Analysis to Estimate Implicit Inventory Backorder Costs,” *Journal of Optimization Theory and Applications*, Vol. 96-1, pp. 71–92, 1998.

- Çetinkaya, S. and M. Parlar, "Optimal Myopic Policy for a Stochastic Inventory Problem with Fixed and Proportional Backorder Costs," *European Journal of Operational Research*, Vol. 110, pp. 20–41, 1998.
- Çetinkaya, S. and M. Parlar, "Optimal Non-Myopic Gambling Strategy for the Generalized Kelly Criterion," *Naval Research Logistics*, Vol. 44, pp. 639–654, 1997.
- Çetinkaya, S. and C. H. Falkner, "Manufacturing Flexibility in the Context of Multi-Machine Replacement Decisions," *International Journal of Manufacturing System Design*, Vol. 2, No. 4, pp. 277–296, 1995.

### **Selected Grants, Contracts, and Agreements**

- Data Assimilation for Radiation Therapy Planning via Optimization: Adaptive Deterministic Models," co-PI in collaboration with Harsha Gangammanavar, Interdisciplinary Seed Funding, Lyle School of Engineering, SMU, February 2020—December 2020.
- Radiation Oncology MAIA Lab Educational Experience Agreement (UTSW Contract ID # 2020—7031), for supporting Ph.D. student educational and research experiences in the context of collaborative research work with Harsha Gangammanavar and Jing Wang (UTSW), January 2020—January 2021.
- "Women, Men, and Lyle: Quantitative Characterization of Gender and Engineering Culture at SMU," in collaboration with Jonathan Stolk, Sevinç Şengor, and Kathy Hubbarb, Interdisciplinary Seed Funding, Lyle School of Engineering, SMU, May-December 2016.
- Parkland Health and Hospital System Educational MOU, for supporting Ph.D. student educational and research experiences in the context of collaborative research work with Vishal Ahuja and Robert S. Hendler (Parkland), May 2016—December 2016.
- "Improving Quality and Efficiency at Parkland Hospital: Addressing Congestion in the Delivery of Care to Uninsured Patients," in collaboration with Vishal Ahuja, Interdisciplinary Seed Funding, Lyle School of Engineering, SMU, May-December 2016.
- "Collaborative Research: Travel Support for Students to Attend the 2015 Industrial and Systems Engineering Research Conference (ISERC); Nashville, Tennessee; May 30 - June 2, 2015," in collaboration with J. K. Ryan, National Science Foundation, 2015—2016.
- "A Quantitative Investigation of the Impact of Supply Chain Leadership on Coordination under Uncertainty," National Science Foundation, 2011—2016.



- “Ford Foundation Funds,” Texas Engineering Experiment Station, 2013–2014.
- “Planning Grant: I/UCRC for Excellence in Logistics and Distribution,” in collaboration with B.A. Peters, National Science Foundation, 2012–2014.
- “Supply Chain Revenue Management: Mitigating Profit-at-Risk in Manufacturing and Distribution Networks,” in collaboration with E. Tekin, National Science Foundation, 2006–2011.
- “Graduate Assistance in Areas of National Need: Fellowships for Research in Industrial and Systems Engineering,” in collaboration with G.-A. Klutke and I. V. Hicks, U.S. Department of Education, 2006–2011.
- “Service Operations Management: Collaborative Research and Curriculum Development Funds,” Northwestern University, April–June 2010. Collaboration with Northwestern University was not pursued after funding decision due to family reasons.
- “Collaborative Research: Analytical Approaches for the Design and Operation of Closed-Loop Supply Chains,” in collaboration with H. Üster and E. Akçalı, National Science Foundation, 2005–2009.
- “Effective Inventory Management and Capacity Utilization under Demand Uncertainty for Technology Products with Short Life-Cycles,” in collaboration with E. Tekin, Nokia, September 2006–January 2007.
- “An Integrated Outbound Logistics Model for Frito-Lay: Operational Level Distribution Optimization,” in collaboration with H. Üster, Frito-Lay and Pepsi-Co, May 2006–January 2007.
- “An Integrated Outbound Logistics Model for Frito-Lay: Coordinating Production Output & Distribution Decisions,” in collaboration with H. Üster, Frito-Lay, August 2005– February 2006.
- “CAREER: Coordination of Transportation and Inventory Decision - Premises, Models, and Justification,” National Science Foundation, 2001-2009.
- “Warehouse Consolidation,” in collaboration with H. Üster and G.-A. Klutke, Dee Howard Aircraft Maintenance, L. P., San Antonio, TX, October 2000-January 2001.
- “Third Party Warehousing in Manufacturing Logistics,” in collaboration with C.-Y. Lee, Texas Higher Education Coordinating Board Advanced Technology Program, 2000–2002.
- “Third Party Warehousing: Making Logistics Management Effective,” in collaboration with C.-Y. Lee, National Science Foundation, 1999–2004.

### **Selected Research Presentations**

### Invited Research Seminars at Academic Institutions

- Arizona State University, Decision Systems Engineering Seminar, December 2019.
- The University of Texas at Arlington, Industrial, Manufacturing, and Systems Engineering Seminar, November 2017.
- Northwestern University, Industrial Engineering and Management Sciences Seminar, October 2017.
- The University of Texas at Austin, Operations Research and Industrial Engineering Graduate Seminar, April 2017.
- SMU Download@Lyle, November 2016.
- The University of Waterloo, Department of Management Sciences Seminar, November 2016.
- Southern Methodist University, Cox School Information Technology and Operations Management Seminar, March 2015.
- Arizona State University, Decision Systems Engineering Seminar, November 2013.
- University of Houston, Industrial Engineering Seminar, September 2013.
- Koç University, Faculty of Administrative Sciences and Economics, ORCIBS Seminar, June 2013.
- Boğaziçi University, Department of Industrial Engineering, May 2013.
- Bilkent University, Department of Industrial Engineering, May 2013.
- Middle East Technical University, Industrial Engineering Department, May 2013.
- Sabanci University, Manufacturing Systems/Industrial Engineering, August 2012.
- Koç University, Industrial Engineering, July 2012.
- Mississippi State University, Department of Industrial and Systems Engineering, Pritchard Distinguished Speaker, October 2011.
- University of South Florida, Management Systems Engineering Department, INFORMS Lecture Series, October 2011.
- Erasmus University, Erasmus Research Institute of Management (ERIM) Seminar, June 2011.
- The George Washington University, Institute for Reliability and Risk Analysis Seminar, April 2009.
- Cornell University, Johnson School of Management, Operations Management Seminar, April 2007.

- Penn State University, Smeal College of Business, Supply Chain and Information Systems Seminar, October 2005.
- The University of Texas at Dallas, School of Management, Operations Management and Information Systems Seminar, October 2004.
- Case Western Reserve University, Weatherhead School of Management, Department of Operations Seminar, February 2004.
- The Hong Kong Polytechnic University, Department of Management Seminar, May 2002.
- University of Texas at Austin, Manufacturing 2020 Lecture Series, March 2002.
- Northwestern University, Industrial Engineering and Management Sciences Seminar, December 2001.
- Purdue University, Industrial Engineering Seminar, October 2001.
- University of North Carolina Chapel Hill, Kenan Flagler Operations, Technology and Innovation Seminar, September 2001.
- University of Michigan, Industrial and Operations Engineering Seminar, September 2001.
- University Illinois at Chicago, Mechanical/Industrial Engineering Seminar, March 2000.
- York University, Schulich School Operations Management Seminar, February 2000.
- University of Toronto, Mechanical/Industrial Engineering Seminar, January 2000.

#### Invited Conference and Workshop Paper Presentations

- Over 100 presentations.

#### Other Conference and Workshop Paper Presentations and Posters

- Over 70 presentations.

### **Student Mentoring and Advising**

#### Post-doctoral Advisees (employment upon post-doc completion)

- Olga Bountali [2015—2018], Assistant Professor, ICCIT & Department of Management and Rotman School of Management, University of Toronto.
- Bo Wei [2014—2015], Research Fellow, Global Asian Institute, National University of Singapore.

#### Ph.D. Advisees (employment upon graduation)

- Wikrom Jaruphongsa [2001], (co-chaired w/ Chung-Yee Lee,) Assistant Professor, Department of Industrial and Systems Engineering, National University of Singapore, Singapore.

- Ayşegül Toptal [2003], Assistant Professor, Department of Industrial Engineering, Bilkent University, Ankara, Turkey.
- Xingchu Liu [2005], Senior Pricing Scientist, Zilliant, Austin, Texas.
- Fatih Mutlu [2006], Visiting Assistant Professor, Mays Business School, Texas A&M University.
- Burcu B. Keskin [2007], (co-chaired w/ Halit Üster,) Assistant Professor, Operations Management, Culverhouse College of Commerce and Business Administration, University of Alabama, Tuscaloosa, Alabama.
- Gopalakrishnan Easwaran [2008], (co-chaired w/ Halit Üster,) Assistant Professor, Industrial Engineering Program, School of Science, Engineering and Technology, St. Mary's University, San Antonio, Texas.
- Liqing Zhang [2011], Research Scientist, Llamasoft, Ann Arbor, Michigan.
- Abhilasha Prakash Katariya [2013], (co-chaired w/ Eylem Tekin,) Research Scientist: Supply Chain Optimization, Symbotic, Boston, Massachusetts.
- Bo Wei [2014], (co-chaired w/ Darren Cline,) Post-doctoral Fellow, Lyle EMIS Department, SMU, Dallas, Texas.
- Su Zhao [Dec 2014], (co-chaired w/ Eylem Tekin,) Strategic Researcher, Shanghai Jinde Asset Management, Shanghai, China.
- Yi Zhang [2015], (Guy Curry was named co-chair of record upon my departure from TAMU,) Senior Business Analysts and Data Scientist, Maxim Integrated, San Jose, California.
- Farnaz Nourbakhsh [2019], Senior Operations Research Analyst, UPS Lutherville-Timonium, Maryland.
- Doran Wood [since 2019, in progress].
- Mahsa Sheikhihafshejani [since 2020, in progress], (co-chaired with Harsha Gangammanavar).

#### M.S. and M.Eng. Advisees

- Graduated - 30 students (Theses: 2, Academic or Internship Projects: 13, Coursework only: 15.)
- Graduate Level Applied Research and Internship Projects: A total of 16 projects at Exel Logistics, Houston, TX; Compaq, Houston, TX; Dell Computers, Austin, TX; General Electric, Schenectady, NY; General Electric, Greenville, SC; National Oilwell Varco, Galena Park, TX; UPS, Houston, TX.

#### Graduate Committees Served

- Past - 44 students (15 Ph.D., 2 D.Eng, 27 M.S. or M. Eng.)
- In-progress - 1 (1 Ph.D., 1 D. Eng.)

Undergraduate Funded Research, Internship and Senior Design Project Supervision

- 3 funded research, 2 internship, and 12 senior design projects.

**Selected External Service**

Editorial and Peer-Review Activities

- Department Editor - Supply Chains, IISE Transactions on Scheduling and Logistics, 2006—present.
- Associate Editor - Naval Research Logistics, 2006—present.
- Editorial Board Member - International Journal of Inventory Research, 2005—present; IIE Transactions on Scheduling and Logistics, 2001—2006; Manufacturing and Service Operations Management, 2002.
- Division Editor - Operations/Decision Sciences, Canadian Journal of Administrative Sciences, 2006—2008.
- Review Committee Member - MSOM Conference, INFORMS, 2006, 2008, 2009.
- Panelist/Research Proposal Reviewer – National Science Foundation; Dutch Research Council; Israel Research Foundation; Hong Kong Research Grants Council; Louisiana Board of Regents; The Netherlands Organisation for Scientific Research; Erasmus Research Institute of Management; Natural Sciences and Engineering Research Council of Canada.
- Referee - Annals of Operations Research; Applied Stochastic Models in Business and Industry; Automatica; Computers and Operations Research; Computers and Industrial Engineering; European Journal of Operational Research; IEEE Transactions on Engineering Management; IISE Transactions; INFORMS Journal on Applied Analytics (formerly Interfaces); International Journal of Production Economics; International Journal of Production Research; Journal of Industrial Ecology; Management Science; Manufacturing and Service Operations Management; Naval Research Logistics; Omega; Operations Research; Opsearch; Production and Operations Management; Production Planning and Control; Transportation Research B; Transportation Research E; and Transportation Science.

Awards Committee Chair

- Doing Good with Good OR Student Paper Competition, INFORMS, 2012 (co-chaired with Susan Martonosi).
- Paper Competition, Junior Faculty Interest Group, INFORMS, 2004.

Awards Committee Member/Judge

- Best Paper Award, MSOM, iFORM SIG, INFORMS, 2019.

- Best Paper Award, IIE Transactions on Logistics and Scheduling, 2008—present.
- Kuhn Award for Best Paper, Naval Research Logistics, 2018.
- Fellows Selection Committee, Institute of Industrial and Systems Engineers, IIE, 2016—2019.
- Logistics and Supply Chain Divisions Annual Teaching Award, IIE, 2017—2018.
- Doing Good with Good OR Student Paper Competition, INFORMS, 2011, 2013.
- Paper Competition, Junior Faculty Interest Group, INFORMS, 2008, 2010—2015, 2020.
- Student Paper Competition, College of Supply Chain Management, POMS, 2009.
- Best Paper Competition, Closed-Loop Supply Chain Management Track, POMS, 2007.

#### Promotion and Tenure Reviewer/External Assessor

- 15 cases (confidential).

#### Conference/Workshop Organization

- Program Chair (with E. Gel), INFORMS Annual Meeting, Phoenix, Arizona, 2023 (appointment term: 2020—2023).
- Program Chair (with J. K. Ryan), Industrial and Systems Engineering Research Conference (ISERC) Program, IIE Annual Conference and Expo, Nashville, Tennessee, 2015.
- Organization Committee, NSF Workshop on Future Directions of Service, Manufacturing, and Operations Research, 2019.
- Advisory Board, Advances in Supply Chain and Manufacturing Management (ASCMM), organized by the Department of Industrial Engineering and Management, Indian Institute of Technology Kharagpur, India, 2011.
- Organization Committee, INFORMS, Austin, Texas, 2010.
- Organization Committee, INFORMS, San Francisco, California, 2005.
- Local Organization Committee, INFORMS, San Antonio, Texas, November 2000.
- Cluster Chair - ISERC Tutorials, IIE Annual Conference, Orlando, Florida, 2016; MSOM Supply Chain Cluster, INFORMS, Austin, Texas, 2010; WORMS Cluster, INFORMS, Pittsburgh, Pennsylvania, 2006.
- Invited/Sponsored Session Organizer and Chair/Co-chair - INFORMS, Phoenix, Arizona, 2018; INFORMS, Houston, Texas, 2017; INFORMS, Nashville, Tennessee, 2016; INFORMS, Philadelphia, Pennsylvania, 2015; INFORMS, San Francisco, California, 2014; INFORMS, San Francisco, California, 2005; INFORMS Conference, Denver, Colorado, October 2004; IIE Annual

Conference, Houston, Texas, May 2004; EURO-INFORMS, Istanbul, Turkey, July 2003.

#### Other Service for Professional Institutions and Non-profit Organizations

- Member, INFORMS Volunteer Service Award Committee, 2021--present (2 year term).
- Member (SMU Representative), Technical Advisory Committee, North Texas Center for Mobility Technologies, NTCMT, 2020--present.
- Member, INFORMS Editor Search Committee for Editor's Cut, 2020.
- Member, Advisory Board, Map4Good, 2018—2019.
- Member, INFORMS Membership Committee, 2000—2003, 2015—2017.
- Member, INFORMS MSOM PhD Awareness and Outreach Committee, 2013—2014.
- President - Women in OR/MS, INFORMS, 2006—2007.
- VP/President-Elect - Women in OR/MS, INFORMS, 2005—2006.
- Member, 2004 IIE Doctoral Colloquium Advisory Committee, 2003-2004.
- Member, INFORMS Student Affairs Committee, 2000—2002.
- Chair, INFORMS Doctoral Colloquium, 2000.

#### **Selected Industry Engagement**

##### For Academic and/or Ph.D. Student Research

- University of Texas Southwestern Medical Center, Dallas, TX, 2015—present
- Parkland Hospital, Dallas, TX, 2015—present
- Dell, Austin, TX, 2011—2012
- C&S Wholesale Grocers, Woburn, MA, 2011
- Nokia, Alliance, TX, 2006—2007
- Zilliant, Austin, TX, 2006
- Solectron, Austin, TX, 2006
- PROS, Houston, TX, 2006
- Texas Transportation Institute, College Station, TX, 2005—2006
- Frito Lay, Plano, TX, 2005—2007
- United Airlines, Chicago, IL, 2005
- AIEA Americas, Houston, TX, 2005
- Brazos Family Medicine, Bryan, TX, 2004—2005
- Factory Physics, Inc., College Station, TX, 2003—2004
- Lockheed Martin, Fort Worth, TX, 2003—2004
- Exel Logistics/Compaq, Houston, TX, 1998—2002
- C.H. Robinson, Houston, TX, 1998—2002

- Applied Materials, Austin, TX, 2002 and 2006
- Dee Howard Aircraft Maintenance, L. P., San Antonio, TX, 2000—2001
- Petkim Petrochemical Holding, Turkey, 1990—1992

For Consulting

- C&S Wholesale Grocers, Woburn, MA, 2010—2011
- Symbotic LLC, Wilmington, MA, 2012—2013, 2014—2015

**Professional Affiliations**

- [INFORMS](#) (Institute for Operations Research and Management Sciences)
- [IISE](#) (Institute of Industrial and Systems Engineering)