

Qi Annabelle Feng

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Education

- May 2006* Ph.D. in Operations Management, School of Management,
The University of Texas at Dallas.
- July 1999* B.Eng. in Industrial Management Engineering, School of Management,
B.Eng. in Computer and Applications, School of Electronics & Information,
Shanghai Jiao Tong University.

Employment

- Jun.2012-* Krannert School of Management,
Purdue University, West Lafayette, IN 47907.
Aug. 2014 - John & Donna Krenicki Chair in Operations Management
Jun.2012-Aug.2014 Associate Professor
Aug.2013-Aug.2018 Area Head of Operations Management
Aug. 2012-Aug.2018 Area Ph.D. Advisor of Operations Management
Jun. 2012-Aug.2018 Academic Director of MS GSCM
Jun. 2012-Sep.2014 Associate Director, DCMME & GSCMI Centers
- Aug.2006-Jun.2012* Assistant Professor of Information, Risk & Operations Management,
McCombs School of Business
The University of Texas at Austin, Austin, TX 78712.
Tenure granted on December 16, 2011, effective on September 1, 2012
- May.2005-Aug.2005* Research Associate in Supply Chain Management
Hewlett-Packard Laboratories, Palo Alto, CA 94304.
- Workforce Optimization for Application Service Operations.
 - Implementation of Funnel Analysis Tool for workforce demand forecast.
 - Implementation of Dynamic Workforce Planning Tool.
- Jun.2004-Aug.2004* Research Intern in Supply Chain Management,
Hewlett-Packard Laboratories, Palo Alto, CA 94304.
- Product Proliferation Management for Imaging and Printing Group.
 - Implementation of Revenue Coverage Optimization Tool.
- Nov.1998-Jul.2001* Business Consultant,
Arthur Andersen (Shanghai) Business Consulting, China.

Honors and Awards

- 2020 Fellow, Production & Operations Management Society
- 2018 POMS Wickham Skinner Best Paper Award

- 2014 Purdue University Faculty Scholar
- 2012-2015 Distinguished Teacher of Master's Course, Krannert School of Management (Fall Module 1)
- 2013 Faculty Service Award, Krannert School of Management
- 2011, 2013 Meritorious Service Award for Management Science
- 2013-2018 Meritorious Service Award for Manufacturing & Service Operations Management.
- 2012 POMS Wickham Skinner Early-Career Research Accomplishment Award.
- 2011 Honorable Mention, OCSAMSE Best Paper Award.
- 2011, 2012 Department Nominee for the CBA Foundation Research Excellence Award for Assistant Professors.
- 2009 Franz Edelman Award.
- 2009 INFORMS Junior Faculty Paper Competition, 1st prize.
- 2009 Service for Students with Disability (SSD) Appreciation Award, UT Austin.
- 2005 Hewlett-Packard Award for Excellent Contribution.

Professional Service

- Department editor of Stochastic Models for *Production and Operations Management* (since 2013) and of Supply Chain Management for *Flexible Manufacturing and Service Journal*(since 2017)
- Associate editor for *Management Science* (since 2018)
- Referee for *Operations Research, Mathematics of Operations Research, Management Science, Manufacturing & Service Operations Management, Operations Research Letter, Naval Research Logistics, IIE Transactions, European Journal of Operational Research, Journal of Operations Research Society, Journal of Operations Management, IEEE Transactions on Engineering Management, IMA Journal of Management Mathematics, Decision Support Systems, International Journal of Modeling and Simulation, Journal of Population Economics.*
- Board member of POMS, 2018-2019
- Secretary/Treasurer of MSOM Society, 2016-2017
- VP of Communication for POMS College of Supply Chain Management, 2013.
- Editorial board for POMS Chronicle, 2013-2014
- General Program Chair for 2015 POMS Annual Conference
- Invited session chairs for INFORMS 2005-2010, 2013 and POMS 2006-2009. Track chair for POMS Annual Conference 2011, 2013, 2018, 2019.
- Judge for 2011, 2012, 2013 MSOM Student Paper Competition.
- Judge for 2012 POMS Emerging Economies Doctoral Student Award.
- Judge for 2019 POMS JD.com Global Optimization Challenge
- Committee member of 2019 MSOM iFORM Best Paper Award
- Committee member of 2020 Wickham-Skinner Best Paper Award
- Program chair for 2019 POMS International Conference in China June 21 - 24

Research Interests

Stochastic functions and their applications in procurement and inventory management; Data-integrated stochastic models; Negotiations in supply chains.

Publications

- P34** Q. Feng, C. Li, M. Lu, J. G. Shanthikumar. Implementing environmental and social responsibility programs in supply networks through multi-unit bilateral negotiation. Forthcoming in *Management Science*.
- P33** Q. Feng, Z. Ma, Z. Mao, J. G. Shanthikumar. Multi-stage supply chain with production uncertainty. Forthcoming in *Production and Operations Management*.
- P32** Q. Feng, Y. Li, J. G. Shanthikumar. 2020. Competitive revenue management with sequential bargaining. *Production and Operations Management*. **29**(5) 1307-1324
- P31** Q. Feng, S. Luo, J. G. Shanthikumar. 2020. Integrating dynamic pricing with inventory decisions under lost sales. *Management Science*. **66**(5) 2232-2247
- P30** X. Gan, Q. Feng, S. P. Sethi. 2019. Sourcing contract under countervailing incentives. Forthcoming in *Production and Operations Management*. **28**(10) 2486-2499
- P29** Q. Feng, Z. Jia, J. G. Shanthikumar. 2019. Dynamic multi-sourcing with dependent random Supply Capacities. *Management Science*. **65**(6):2770-2786
- P28** Q. Feng, J. G. Shanthikumar. 2018. How research in Production and Operations Management may evolve in the era of Big Data. *Production and Operations Management*. **27**(9) 1670-1684
- P27** Q. Feng, J. G. Shanthikumar. 2018. Arrangement increasing resource allocation. *Methodology and Computing in Applied Probability*. **20** 935-955
- P26** Q. Feng, J. G. Shanthikumar. 2018. Demand and supply functions in inventory models. *Operations Research*. **66**(1) 77-91
- P25** Q. Feng, J. G. Shanthikumar. 2018. Posted Pricing versus Bargaining in Sequential Selling Process. *Operations Research*. **66**(1) 92-103
- P24** G. Berenguer, Q. Feng, J. George Shanthikumar, L. Xu. 2017. The effects of subsidies on increasing consumption through for-profit and not-for-profit newsvendors. *Production and Operations Management*. **26**(6) 1191-1206.
- P23** A. Bensoussan, Q. Feng, S. Luo, S. P. Sethi. 2016. Evaluating long-term service performance under short-term forecast updates. *International Journal of Production Research*. **54**(17) 5236-5249.
- P22** B. T. Erciyes, Q. Feng, W. Chen. 2016. Dual sourcing under random supply capacities: The role of the slow supplier. *Production and Operations Management*. **25**(7) 1232-1244..
- P21** W. Chen, Q. Feng, S. Seshadri. 2015. Inventory-based dynamic pricing with costly price adjustment. *Production and Operations Management*. **24**(4) 732-749.
- P20** A. Bensoussan, Q. Feng, S. P. Sethi. 2015. Integrating equipment investment strategy with maintenance operations under uncertain failures. *Annals of Operations Research*. (May)

- P19 Q. Feng, G. Lai, L. X. Lu. 2015. Dynamic bargaining in a supply chain with asymmetric demand information. *Management Science*. 61(2) 301-315.
- P18 Q. Feng, S. Lou, D. Zhang. 2014. Dynamic inventory-pricing control under backorder: demand estimation and policy optimization. *Manufacturing & Service Operations Management*. 16(1) 149-160.
- P17 Q. Feng, L. X. Lu. 2013. The Role of Contract Negotiation and Industry Structure in Production Outsourcing. *Production and Operations Management*. 22(5) 1299-1319.
- P16 Q. Feng, L. X. Lu. 2013. Supply chain contracting under competition: bilateral bargaining vs. Stackelberg. *Production and Operations Management*. 22(3)661-675.
- P15 C. Santos, T. Gonzalez, H. Li, K.-Y. Chen, D. Beyer, S. Biligi, Q. Feng, R. Kumar, S. Jain, R. Ramanujan, A. Zhang. 2013. HP Enterprise Services uses optimization for resource planning. *Interfaces*. 43(2) 152-169.
- P14 W. Chen, Q. Feng, S. Seshadri. 2013. Sourcing from suppliers with random yield for price-dependent demand. *Annals of Operations Research*. 208(1) 557-579.
- P13 Q. Feng, L. X. Lu. 2012. The strategic perils of low-cost outsourcing. *Management Science*. 58(6)1196-1210.
- P12 Q. Feng, R. Shi. 2012. Sourcing from multiple suppliers for price-dependent demands. *Production and Operations Management*. 21(3) 547-563.
- P11 M. Cakanyildirim, Q. Feng, X. Gan, S. P. Sethi. 2012. Contracting and coordination under asymmetric production cost information. *Production and Operations Management*. 21(2)345-260.
- P10 Q. Feng. 2010. Integrating dynamic pricing and replenishment decisions under supply capacity uncertainty. *Management Science*. 56(12) 2154-2172.
- P9 A. Bensoussan, Q. Feng, S. P. Sethi. 2010. Achieving a long-term service target with short-term demand signals: a newsvendor framework. *Manufacturing & Service Operations Management*. 13(1) 73-88.
- P8 J. Ward, B. Zhang, S. Jain, C. Fry, T. Olavson, H. Mishal, J. Amaral, D. Beyer, A. Brecht, B. Cargille, R. Chadinha, K. Chou, G. DeNyse, Q. Feng, C. Padovani, S. Raj, K. Sunderbruch, R. Tarjan, K. Venkatraman, J. Woods, J. Zhou. 2010. HP transforms product portfolio management with operations research. *Interfaces*. 40(1) 17-32. (2009 Edelman Award)
- P7 A. Bensoussan, M. Cakanyildirim, Q. Feng, S. P. Sethi. 2009. Optimal ordering policies for stochastic inventory problems with observed information delays. *Production and Operations Management*. 18(5) 546-559.
- P6 Q. Feng, V. S. Mookerjee, S. P. Sethi. 2008. Application Development using fault data. *Production and Operations Management*. 17(2) 162-174.
- P5 K. J. Arrow, A. Bensoussan, Q. Feng, S. P. Sethi. 2007. Optimal savings and the value of population. *Proceedings of National Academy of Science*. 104(47) 18421-18426.
- P4 Q. Feng, S. P. Sethi, H. Yan, H. Zhang. 2006. Are base-stock policies optimal in inventory problems with multiple delivery modes? *Operations Research*. 54(4) 801-807.

- P3 Q. Feng, S. P. Sethi, H. Yan, H. Zhang. 2006. Optimality and nonoptimality of the base-stock policy in inventory problems with multiple delivery modes. *Journal of Industrial and Management Optimization*. **2**(1) 19-42.
- P2 Q. Feng, V. S. Mookerjee, S. P. Sethi. 2005. Optimal policies for sizing and timing of software maintenance projects. *European Journal of Operational Research*. **173** 1047-1066.
- P1 Q. Feng, G. Gallego, S. P. Sethi, H. Yan, H. Zhang. 2005. A periodic review inventory model with three procurement modes and forecast updates. *Journal of Optimization Theory & Applications*. **124** (1) 137-155.

Book Chapters

- B4 Q. Feng, J. G. Shanthikumar. 2017. Not-for-Profit Operations Management. Forthcoming in *Routledge Companion for Production and Operations Management*, edited by Sushil Gupta and Martin Starr, Chapter 27.
- B3 Q. Feng, L. X. Lu. 2011. Outsourcing design to Asia: ODM practices. *Managing Supply Chains on the Silk Road: Strategy, Performance and Risk*, edited by C. Haksoz, S. Seshadri, A. V. Iyer.
- B2 Q. Feng, S. P. Sethi. 2010. Flexible supply contracts with price risk-sharing. *Handbook on Innovative Quick Response Programs in Logistics and Supply Chain Management*, edited by T.C. Edwin Cheng, Tsan-Ming Choi. Springer.
- B1 K. J. Arrow, A. Bensoussan, Q. Feng, S. P. Sethi. 2010. The genuine saving criterion and the value of population in an economy with endogenous population changes. *Optimal Control of Age-structured Populations in Economy, Demography, and the Environment*. (Taylor & Francis Series "Environmental Economics") Monograph edited by R. Boucek, N. Hritonenko, Y. Yatsenko. Routledge, Taylor & Francis, UK.

Technical Reports

- T3 B. Zhang, J. Ward, Q. Feng. 2005. A simultaneous maximum flow algorithm with vertex balancing. *HP Labs Technical Report*. HPL-2005-121.
- T2 B. Zhang, J. Ward, Q. Feng. 2005. A simultaneous maximum flow algorithm for the selection model. *HP Labs Technical Report*. HPL-2005-91.
- T1 B. Zhang, J. Ward, Q. Feng. 2004. Simultaneous parametric maximum-flow algorithm for finding the complete chain of solutions. 2004. *HP Labs Technical Report*. HPL-2004-189.

Submitted Papers

- S1 Q. Feng, C. Li, M. Lu, J. G. Shanthikumar. Dynamic substitution for selling multiple products under supply and demand uncertainties. Under 2nd round review at *Production and Operations Management*.
- S2 Q. Feng, Y. Li, J.G. Shanthikumar. Negotiations in Competitive Supply Chains: The Kalai-Smorodinsky Bargaining Solution. 2nd round review with *Management Science*.
- S3 Q. Feng, J. G. Shanthikumar. Applications of Stochastic Orders and Stochastic Functions in Inventory and Pricing Problems. Under 1st round revision for *Production and Operations Management*.

- S4 T. Fan, Q. Feng, Y. Li, J. G. Shanthikumar. Y. Wu. Subsidy Design for Producers in a Fragmented Market. Under 1st round review at *Management Science*.
- S5 Q. Feng, J. G. Shanthikumar. M. Xue. The Consumer Choice Model and Estimation: A Review and Extension. Under 1st round review at *Production and Operations Management*.

Conference Presentations

- Dynamic Appointment Scheduling with Partial Patient Cancellation Information. INFORMS Conference on Service, December 2020
- Implementing Environmental and Social Responsibility Programs in Supply Networks through Multi-Unit Bilateral Negotiation. (Invited) INFORMS Conference, Seattle, WA, October 2019
- Negotiation in Competitive Supply Chains: The Kalai-Smorodinsky Bargaining Solution. (Invited) INFORMS Conference, Seattle, WA, October 2019
- Multisourcing under Dependent Supplies. (Invited) INFORMS Conference, Seattle, WA, October 2019
- Stochastic Functions and their Applications in POM. POMS International Conference in China, Tianjin, June 2019
- Operational Data Analytics: A Newsvendor Application. (Keynote) 2019 International Symposium on Revenue Management, Zhejiang University, China, June 2019
- Negotiation in Competitive Supply Chains: The Kalai-Smorodinsky Bargaining Solution. (Invited) POMS Conference, Washington, DC, May 2019
- Data Integration for Decision Making in Operations Management. (Invited) POMS Conference, Washington, DC, May 2019
- Integrating Dynamic Pricing with Inventory Decisions under Lost Sales. (Invited) POMS Conference, Washington, DC, May 2019
- Implementing Environmental and Social Responsibility (ESR) Programs in Supply Networks Through Multi-Unit Bilateral Negotiation. (Invited) POMS Conference, Washington, DC, May 2019
- Operational Data Analytics: A Newsvendor Application. (Invited) Symposium on Data-Driven Decision Making: Design, Optimization and Application, John's Hopkin's University, June 2019
- Negotiation in Competitive Supply Chains: The Kalai-Smorodinsky Bargaining Solution. (Invited) INFORMS Conference, Houston, TX, November 2018
- Data-driven Inventory and Pricing Management with Adversarial Models. (Invited) INFORMS Conference, Houston, TX, November 2018
- Dynamic substitution policy for selling multiple products. (Invited) INFORMS Conference, Houston, TX, November 2018.
- Competitive revenue management under sequential selling. (Invited) INFORMS Conference, Houston, TX, November 2018

- Ensuring corporate social responsibility in supply chain networks through simultaneous bilateral bargaining. (Invited) INFORMS Conference, Houston, TX, November 2018
- Dynamic substitution policy for selling multiple products. (Invited) INFORMS Conference, Houston, TX, November, 2018.
- Pricing and Inventory Management with Operational Data Analytics. (Invited). ECUST 9th e-Commerce and Supply Chain Management, Shanghai, China, June, 2018
- Pricing and Inventory Management with Operational Data Analytics. (Invited) Tsinghua-JD-POMS International Workshop, Qingdao, China, June, 2018
- Competitive revenue management under sequential selling. (Invited) POMS Conference, Houston, TX, May 2018
- Dynamic Coordination in a supply chain with production capacity uncertainty. (Invited) POMS Conference, Houston, TX, May 2018
- Ensuring corporate social responsibility in supply chain networks through simultaneous bilateral bargaining. (Invited) POMS Conference, Houston, TX, May 2018
- Competitive revenue management under sequential selling. (Invited) INFORMS Conference, Houston, TX, November 2017
- Dynamic Coordination in a supply chain with production capacity uncertainty. (Invited) INFORMS Conference, Houston, TX, November 2017
- Applications of joint stochastic orders in arrangement and allocation (Invited) ECUST 7th Conference on E-Commerce and Supply Chain Management, Shanghai, china, July, 2017.
- Applications of joint stochastic orders in arrangement and allocation (Invited) MSOM Workshop Honoring John Buzacott, Chapel Hill, NC, June, 2017
- Competitive revenue management under sequential selling. (Invited) POMS Conference, Seattle, WA, May, 2017.
- Dynamic Coordination in a supply chain with production capacity uncertainty. (Invited) POMS Conference, Seattle, WA, May, 2017.
- Dynamic substitution policy for selling multiple products. (Invited) INFORMS Conference, Nashville, TN, November, 2016.
- Dynamic Coordination in a supply chain with production capacity uncertainty. (Invited) INFORMS Conference, Nashville, TN, November, 2016.
- Dynamic pricing in inventory systems with lost sales. (Invited) 6th Conference on E-Commerce and Supply Chain Management, Shanghai, china, July, 2016.
- Dynamic pricing in inventory systems with lost sales. (Invited) POMS Conference, Orlando, FL, May, 2016.
- Sourcing from multiple suppliers with dependent random capacity. (Invited) INFORMS Conference, San Philadelphia, PA, November, 2015.
- How should retailer share information with the supplier? (Invited) INFORMS Conference, San Philadelphia, PA, November, 2015.
- Sourcing from multiple suppliers with dependent random capacity. (Invited) Mostly OM Conference, Tsinghua University, China, June, 2015.

- Advanced analytics in operations management. (Invited) POMS Conference, Washington DC, May, 2015.
- Demand and supply functions in inventory models. (Invited) INFORMS Conference, San Francisco, CA, November, 2014.
- Bargaining versus posted price. (Invited) Mostly OM Conference, Beijing, China, June, 2014.
- Bargaining versus posted price in sequential selling process. (Invited) POMS Conference, Atlanta, GA, May, 2014.
- Dynamic bargaining under asymmetric information. (Invited) POMS Conference, Atlanta, GA, May, 2014.
- Dynamic bargaining under asymmetric information. (Invited) INFORMS Conference, Minneapolis, MN, October, 2013.
- Teaching Innovation in Global Supply Chain Management Program (Invited) POMS College in Supply Chain Mini Conference, Denver, CL, May 2013.
- Dynamic bargaining in a supply chain with asymmetric demand information (Invited) POMS Conference, Denver, CL, May 2013.
- Supply chain contracting under competition (Invited) POMS Conference, Denver, CL, May 2013.
- Supply chain contracting under competition (Invited) INFORMS Conference, Phoenix, AZ, November 2012.
- Bargaining under asymmetric demand information. (Invited) INFORMS Conference, Phoenix, AZ, November 2012.
- Supply chain contracting under competition: bilateral bargaining vs. Stackelberg. (Invited) INFORMS Conference, Charlotte, NC, November 2011.
- Dual sourcing from unreliable suppliers: the role of the slow supplier. (Invited) POMS Conference, Reno, NV, May 2011.
- Is outsourcing a win-win game? (Invited) POMS Conference, Reno, NV, May 2011.
- Countervailing incentives under asymmetric production cost information. (Invited) INFORMS Annual Meeting, Austin, TX, November 2010.
- Dual sourcing from unreliable suppliers: the trade-off among lead time, reliability and cost. (Invited) INFORMS Annual Meeting, San Diego, CA, October 2009.
- Design outsourcing in a differentiated product market. (Invited) INFORMS Annual Meeting, San Diego, CA, October 2009.
- Sourcing from multiple suppliers for price-dependent demands. (Invited) POMS Conference, Orlando, FL, May 2009.
- Sourcing from multiple suppliers for price-dependent demands. (Invited) INFORMS Annual Meeting, Washington DC, October 2008.
- Impact of process uncertainty in a two-stage production system. MSOM Conference, Maryland, MD, June 2008.

- Coordinating replenishment and pricing decisions under uncertain supply capacity. (Invited)
POMS Conference, San Diego, CA, May 2008.
- Successive demand updating and inventory ordering after observations of sales and lost sales. (Invited) INFORMS Annual Meeting, Seattle, WA, November 2007.
- Optimal inventory policy under observed information delays. (Invited) POMS Conference, Dallas, TX, May 2007.
- Evaluating long-term service performance in two-stage newsvendor models. DSI Conference, San Antonio, TX, November 2006.
- Inventory control with observed dynamic delays. INFORMS Conference, Pittsburgh, PA, November 2006.
- Evaluating long-term service performance in two-stage newsvendor models. (Invited) International Conference of Management Sciences: Optimization Models & Applications, Dallas, TX, May 2006.
- Genuine savings and the value of population. (Invited) International Conference of Management Sciences: Optimization Models & Applications, Dallas, TX, May 2006.
- Ordering flexibility and price risk-sharing. (Invited) POMS Conference, Boston, MA, May 2006.
- A two-stage newsboy problem with a long-term service target. INFORMS Conference, San Francisco, CA, October 2005.
- Optimal policies of software maintenance projects. (Invited) INFORMS Conference, San Francisco, CA, October 2005.
- A two-stage newsboy problem with a service constraint. (Invited) POMS Conference, Chicago, IL, May 2005.
- Flexible procurement contract with price risk sharing. DSI Conference, Boston, MA, November 2004.
- Procurement strategy under price risk sharing contract. INFORMS Conference, Denver, CO, October 2004.
- Application development using modifiable off-the-shelf software. (Invited) International Conference on Electronic Commerce Research, Dallas, TX, June 2004.
- Optimal policies for sizing and timing of software maintenance projects. INFORMS Conference, Atlanta, GA, October 2003.

Invited Talks

City University of New York (2021), University of Miami (2020), City University of Hong Kong (2019), Case Western Reserve University (2018), University of Rutgers (2018), University of Utah (2018, 2011), University of Minnesota (2017), Hong Kong Polytechnic University (2017, 2016), Ohio State University (2016), UC Irvine (2016), Boston College (2016), Nanyang University (2016), Texas A&M University (2015), Nanjing University (2015), Duke University (2014), University of Florida (2014), Shanghai Jiao Tong University

(2018, 2014,2010), University of Illinois at Urbana-Champaign (2013), University of Cincinnati (2013), Shanghai University of Finance and Economics (2012), University of Southern California (2011), University of North Carolina at Chapel Hill (2010,2009), Purdue University (2012), University of Texas at San Antonio (2009), Tsinghua University (2009), Washington at St. Louis (2006), University of Rochester (2006), University of Alberta (2006), University of Oregon (2006), Southern Methodist University (2006), University of Texas at Austin (2006)

Grants

- October 2019: Purdue University, Blake Family Funds for Ethics (jointly with G. Esenduran, and J.G. Shanthikumar) \$60,000
- October 2018: Purdue University, Blake Family Funds for Ethics (jointly with G. Esenduran, M. Lu and J.G. Shanthikumar) \$30,000
- October 2013: Purdue University, via OVPR, 12-13 Incentive Grants, Category II, Encouraging & Stimulating Purdue's Emerging Research, #206553. Sponsor Award. Co-PI (jointly with J. G. Shanthikumar) \$93,266.
- September 2012: DeVos Research Award, Krannert School of Management, Purdue University. \$25,000.
- November 2010: RCG Project Grant A-PK34, Hong Kong Research Grants Council, Co-PI (jointly with X. Gan). \$15,000.
- May 2008: HP Collaboration Fund 2008, Hewlett-Packard Laboratories, PI. \$17,500.

Patents

- United States 7958037: Method and Apparatus for Product Selection (Co-inventors: Julie Ward Drew, Bin Zhang) Published in June 2011.
- United States 8533016: System and Method for Selecting a Portfolio (Co-inventors: Julie Ward Drew, Bin Zhang) Published in September 2013.
- United States 8639551: Method and System for Workforce Related Resource Planning (Co-inventors: Cipriano Santos and Dirk Beyer). Published in January 2014.

Teaching

Jun. 2012- Purdue University.

- MBA Elective: Strategic Sourcing and Procurement
 - Fall 2020: (Enrollment 30) Instructor 4.4/5.0, Course 4.2/5.0
 - Fall 2020: (Enrollment 47) Instructor 4.7/5.0, Course 4.6/5.0
 - Fall 2019: (Enrollment 30) Instructor 4.4/5.0, Course 4.2/5.0
 - Fall 2019: (Enrollment 41) Instructor 4.7/5.0, Course 4.6/5.0
 - Fall 2018: (Enrollment 26) Instructor 4.1/5.0, Course 4.3/5.0
 - Fall 2018: (Enrollment 37) Instructor 4.7/5.0, Course 4.7/5.0
 - Fall 2017: (Enrollment 45) Instructor 4.5/5.0, Course 4.2/5.0
 - Fall 2017: (Enrollment 31) Instructor 4.1/5.0, Course 3.8/5.0

- Fall 2016: (Enrollment 45) Instructor 4.8/5.0, Course 4.7/5.0
- Fall 2016: (Enrollment 28) Instructor 4.8/5.0, Course 4.6/5.0
- Fall 2015: (Enrollment 39) Instructor 4.1/5.0, Course 4.1/5.0
- Fall 2015: (Enrollment 37) Instructor 4.6/5.0, Course 4.7/5.0
- Fall 2014: (Enrollment 57) Instructor 4.7/5.0, Course 4.4/5.0
- Fall 2014: (Enrollment 36) Instructor 4.8/5.0, Course 4.7/5.0
- Fall 2013: (Enrollment 57) Instructor 4.8/5.0, Course 4.5/5.0
- Fall 2013: (Enrollment 25) Instructor 4.8/5.0, Course 4.8/5.0
- Fall 2012: (Enrollment 48) Instructor 4.2/5.0, Course 4.1/5.0
- MBA Elective: Global Supply Chain Management (MGMT 590)
 - Fall 2012: (Enrollment 35) Instructor 4.7/5.0, Course 4.6/5.0
- MBA Elective: Management of Operating Systems (MGMT661)
 - Fall 2015: (Enrollment 6) Instructor 4.3/5.0, Course 4.9/5.0
 - Fall 2014: (Enrollment 18) Instructor 4.7/5.0, Course 4.4/5.0
 - Fall 2013: (Enrollment 16) Instructor 4.8/5.0, Course 4.3/5.0
 - Fall 2012: (Enrollment 18) Instructor 4.9/5.0, Course 4.8/5.0
- EMBA Elective: Supply Chain Management (MGMT690)
 - Fall 2015: (Enrollment 5) Instructor 4.67/5.0, Course 4.33/5.0
 - Fall 2014: (Enrollment 5) Instructor 4.67/5.0, Course 4.33/5.0
- Ph.D. Course: Workshop in OM (MGMT 690)
 - Fall 2012: (Enrollment 4) Instructor 5.0/5.0, Course 5.0/5.0

May, 2006-Aug. 2006 The University of Texas at Austin.

- Undergraduate core course: Operations Management (OM 335)
 - Fall 2011: (Enrollment 53) Teaching Evaluation 4.3/5.0
 - Fall 2011: (Enrollment 53) Teaching Evaluation 4.6/5.0
 - Fall 2010: (Enrollment 46) Teaching Evaluation 4.4/5.0
 - Fall 2010: (Enrollment 45) Teaching Evaluation 4.4/5.0
 - Fall 2009: (Enrollment 39) Teaching Evaluation 4.2/5.0
 - Fall 2008 (Enrollment 45) Teaching Evaluation 4.2/5.0
 - Fall 2008: (Honor, Enrollment 33) Teaching Evaluation 3.9/5.0
 - Spring 2008: (Enrollment 50) Teaching Evaluation 4.1/5.0
 - Spring 2008: (Enrollment 49) Teaching Evaluation 4.0/5.0
 - Fall 2006: (Enrollment 27) Teaching Evaluation 4.1/5.0
 - Fall 2006: (Enrollment 27) Teaching Evaluation 4.4/5.0
- Undergraduate elective: Supply Chain Modeling and Optimization (OM337-2)
 - Fall 2011: (Enrollment 40) Teaching Evaluation 4.5/5.0
 - Fall 2010: (Enrollment 38) Teaching Evaluation 4.4/5.0
 - Fall 2009: (Enrollment 36) Teaching Evaluation 4.7/5.0
 - Fall 2008: (Enrollment 21) Teaching Evaluation 4.6/5.0
 - Spring 2008: (Enrollment 34) Teaching Evaluation 4.0/5.0

- Ph.D. elective: Optimization II (OM380)
Fall 2009: (Enrollment 10) Teaching Evaluation 4.9/5.0

Aug. 2005-Aug. 2006 The University of Texas at Dallas.

- Undergraduate core course: Operations and Production Management
Summer 2006: (Enrollment 48) Teaching Evaluation 4.3/5.0
Fall 2005: (Enrollment 63) Teaching Evaluation 4.0/5.0

Advising

- Ph.D. dissertation committee chair /co-chair served:
 - Lei Li: OM student in Purdue University, target graduation in summer 2022.
 - Yuanchen Li: OM student in Purdue University, graduated in summer 2020. Dissertation title “Interactions in Supply Chains: Consumers, Firms and Policy Makers.” Initially placed as an assistant professor at Tongji University, China.
 - Chengzhang Li: OM student in Purdue University, graduated in summer 2019. Dissertation title “Emerging Topics in Supply Chain Management: Product Substitution, Demand Ambiguity, and Environmental and Social Responsibility.” Initially placed as an assistant professor at Shanghai Jiao Tong University, China.
 - Lei Xu: OM student in Shanghai Jiao Tong University, graduated in spring 2018. Dissertation title “Study on Subsidy Choice and Promotion Policy based on the Newsvendor Model.” Initially placed as an assistant professor at Jiang Nan University.
- Ph.D. dissertation committees served:
 - Zhongjie Ma: OM student in Purdue University, graduated in fall 2018. Dissertation title “Dynamic Coordination in Manufacturing and Healthcare.” Initially placed at Facebook, CA.
 - Jing Chen: OM student in Shanghai Jiao Tong University, Graduated in summer 2017. Initially placed as an assistant professor at Shanghai University of Foreign Language.
 - Wen Chen: OM student in UT Austin, graduated in summer 2013. Dissertation title “Optimal Inventory and Pricing Decisions for Supply Chain Management.” Initially placed as an assistant professor at Providence College.
 - Jing Zan: IEOR student in UT Austin, graduated in spring 2012. Dissertation title “Staffing Large Service Systems under Arrival-Rate Uncertainty.”
 - Gang Li: OM student in UT Austin, to be graduated in summer 2011. Dissertation title “Optimization-based Decision Support for Service Operations Management.” Initially placed as an assistant professor at Bentley University.
 - Haoying Sun: OM student in UT Austin, graduated in fall 2011. “Exploring the Impact of Consumer Heterogeneity and Information Asymmetry upon Operating Policies.” Initially placed as an assistant professor at Texas A&M University.

- Liwen Chen: OM student in UT Austin, graduated in spring 2010, dissertation title “Issues in Operations Management and Marketing Interface Research: Competition, Product Line Design, and Channel Coordination.” Initially placed as an assistant professor at Hong Kong City University.
- Burcu Tan: OM student in UT Austin, graduated in fall 2010, dissertation title “Risk Mitigation Strategies for Project Management, Platform Development and Supply Chain Design.” Initially placed as an assistant professor at Tulane University.
- Master student independent study supervised:
 - Xiaofan Li, Kairui Jia, Juechen Xia. Fall 2015. “Operations Research.” (3 credit hours)
 - Srikanth Radhakrishna. Spring 2013. “Indian Ice-cream Supply Chain.” (3 credit hours)
 - Jeonghyun Kwak. Spring 2013. “Supply Chain Management at KG Yellow Cap Corporation.” (1 credit hour)
 - Yanbin Shi, Bin Gao, Qiutong Zhang. Fall 2013. “Operations Research.” (3 credit hours)
- Undergraduate student independent study supervised:
 - Abhinav Kumar: Spring 2009. “Survey on Product Design Outsourcing in Electronics Manufacturing Service Industry.”