

Charles X. Wang

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ACADEMIC POSITIONS

University at Buffalo School of Management, Buffalo, NY

Chair, MBA/MS Program Committee, Fall 2023 – present

Co-director, MS in Operations and Supply Chain Management, Fall 2019 – Spring 2021

Director, MS in Supply Chains and Operations Management, Fall 2013 – Spring 2018

Interim Chair, Department of Operations Management and Strategy, Spring 2011

Associate Professor, Fall 2009 – present

Assistant Professor, Fall 2003 – Spring 2009

Stephen Still Institute for Sustainable Transportation and Logistics, University at Buffalo, Buffalo, NY
(Jointly led by School of Engineering and Applied Sciences and School of Management)

Core Faculty, Fall 2013 – present

Co-Director, M.S. in Sustainable Transportation and Logistics, Fall 2013 – Spring 2017

EDUCATION

Syracuse University, Whitman School of Management, Syracuse, NY

Ph.D. in Operations Management, 2003 (Advisor: Scott Webster)

Syracuse University, College of Engineering and Computer Science, Syracuse, NY

M.S. in Computer Engineering, 2001

Tongji University, School of Mechanical Engineering, Shanghai, China

B.E. in Mechanical Engineering, 1996

HONORS & AWARDS

School of Management Annual Ph.D. Showcase Best Poster Presentation Award

- Susan Xiao (Served as Ph.D. advisor), March 2023
- Khadija Ajmal (Served as Ph.D. advisor), March 2020

Decision Sciences Journal Best Article Finalist Award, 2007

Syracuse University Graduate School Doctoral Prize Award, 2003

Syracuse University Graduate School Fellowship, 1999

Syracuse University Teaching Fellowship, 2002–2003

Syracuse University Teaching Assistantship, 1998–2002

Tongji University Merit Scholarship, 1991–1996

RESEARCH

* Denotes PhD student I advised/supervised

Publications

1. Wang, CX (2002). A general framework of supply chain contract models. *Supply Chain Management: An International Journal*. 7(5):302–310.
2. Wang, CX, Benaroch, M (2004). Supply chain coordination in buyer centric B2B electronic markets. *International Journal of Production Economics*. 92(2):113–124.
 - **IJPE Top 25 hottest articles published in October-December, 2004 (10th)**
3. Wang, CX, Webster, S (2007). Channel coordination for a supply chain with a risk-neutral manufacturer and a loss-averse retailer. *Decision Sciences*. 38(3):361–389.
 - **Featured Article**
 - **Decision Sciences Best Article Finalist Award in 2007**
 - **Decision Sciences most cited articles (Ranked 128th out of 1500 articles)**
 - **Decision Sciences most downloaded articles (Ranked 90th out of 2533 articles)**
4. Wang, CX, Webster, S (2009). The loss-averse newsvendor problem. *Omega*. 37(1):93–105.
 - **Omega most cited articles published in 2009-2014 (Ranked 1st)**
5. Wang, CX (2009). Random yield and uncertain demand in decentralized supply chains under the traditional and VMI arrangements. *International Journal of Production Research*. 47(7):1955–1968.
6. Wang, CX, Webster, S, Suresh, NC. (2009). Would a risk-averse newsvendor order less at a higher selling price? *European Journal of Operational Research*. 196(2):544–553.
7. Wang, CX, Webster, S (2009). Markdown money contracts for perishable goods with clearance pricing. *European Journal of Operational Research*. 196(3):1113–1122.
8. Wang, CX (2010). The loss-averse newsvendor game. *International Journal of Production Economics*. 124(2):448–452.
9. Wang, CX, Webster, S, Zhang, S (2011). A comparison of two sourcing tactics for a new component. *European Journal of Operational Research*. 211(2):310–317.
10. Wang, CX, Webster, S, Zhang, S (2012). Newsvendor models with alternative risk preferences within expected utility theory and prospect theory frameworks. Choi, TM, eds. *Handbook of Newsvendor Problem: Models, Extensions, and Applications* (Springer, New York), 177–196.
11. Wang, CX, Webster, S, Zhang, S (2014). Robust price-setting newsvendor model with interval market size and consumer willingness-to-pay. *International Journal of Production Economics*. 154:100–112.
12. *Chuang, C, Wang, CX, *Zhao, Y (2014). Closed-loop supply chain models for a high-tech product under alternative reverse channel and collection cost structures. *International Journal of Production Economics*. 156:108–123.

13. Wang, CX, *Qian, Z, *Zhao, Y (2018). Impact of manufacturer and retailer's market pricing power on customer satisfaction incentives in supply chains. *International Journal of Production Economics*. 205:98–112.
14. Fahimnia, B, Pournader, M, Siemsen, E, Bendoly, E, Wang, CX (2019). Behavioral operations and supply chain management – A review and literature mapping. *Decision Sciences*. 50(6):1127–1183.
 - **Lead Article**
15. *Ajmal, K, Suresh, NC, Wang, CX (2021). Disruptive technologies and sustainable supply chain management: A review and cross-case analysis. *Journal of Management and Sustainability*. 11(2):88–113.
16. *Qian, Z, Wang, CX, Yang, H (2025). Association between corporate diversification strategies and inventory performance: A firm-level investigation. *International Journal of Operations & Production Management*. 45(1): 88-113.

Working Papers

17. *Xiao, S, Wang, CX, Wei, MM (2024). Revenue management and loyalty program design for hotel chains: Direct channel booking versus selling through online travel agencies. Under revision for *Production and Operations Management*.
18. *Qian, Z, & Wang, CX (2024). What Drives Firm's Strategic Choice of Product Scope Expansion? An Operations Perspective. To be submitted to *Journal of Operations Management*.
19. *Ajmal, K, Wang, CX, Suresh, NC, Vedantam, A (2024). Impact of emerging business intelligence systems on firms' financial, operational, and environmental performance: An event study. To be submitted to *International Journal of Production Economics*.
20. *Xiao, S, Wang, CX, Wei, MM (2025). Optimal Pricing and Date Labeling Strategies for Fresh and Near-expiry Food Products: Implications for Food Waste Reduction. To be submitted to *Manufacturing & Service Operations Management*.

Invited Talk at Academic Institutions

Workshop on Information Intensive Services, Syracuse University, 2017

Tongji University, 2016

Workshop on Information Intensive Services, University of Rochester, 2007-2009, 2013, 2015

School of Business and Economics, Wilfrid Laurier University, 2005

Schulich School of Business, York University, 2003

Conference Presentations

"Should grocery stores remove date labels? Implications for food waste reduction," POMS 2025, Atlanta, GA.

"Exploring the factors impacting recycling performance of material recovery facilities," POMS 2024, Minneapolis, MN.

"Revenue management, loyalty program, and online travel agency in hotel chains," INFORMS 2024, Seattle, WA.

"Does excess operational slack drive firm's product scope expansion?" DSI 2024, Phoenix, AZ

"Unveiling the triple bottom line: The impact of business intelligence investments on economic, environmental, and operational performance," DSI 2024, Phoenix, AZ

"Revenue management, loyalty program, and online travel agency in hotel chains," DSI 2024, Phoenix, AZ

"Revenue management, loyalty program, and online travel agency in hotel chains," POMS Annual conference, Orlando, FL, May 2023.

"Do investments in business intelligence technologies improve firm performance?" POMS Annual conference, Orlando, FL, May 2023.

"Disruptive technologies and sustainable supply chain management: A review and cross-case analysis," DSI Annual Conference, November 2021

"Coordination of hospital physician visit and telehealth visit for outpatients," DSI Annual Conference, November 2020.

"Resource optimization between traditional in-person and telehealth channels," Conference on Health IT and Analytics (CHITA), October 2020.

"Association between diversification strategies and inventory performance," INFORMS 2019, Seattle, WA.

"Selling a technology product with the trade-in program and used product market," INFORMS 2018, Phoenix, AZ.

"Corporate diversification and inventory management," POMS 2018, Houston, TX.

"Investigating the performance spillover effects between supplier and customer firms in dyadic supply chains," POMS 2018, Houston, TX.

"Performance effects of accounting restatements in supply chains," POMS 2017, Seattle, WA.

"The effects of supply chain integration: The impacts of two competing national culture frameworks," POMS 2017, Seattle, WA.

"Product innovation and consumers' self-selection behavior," POMS 2017, Seattle, WA.

"Impact of sustainability initiatives on short-term and long-term firm performance," POMS 2017, Seattle, WA.

"Building supply network resilience in the face of extreme events," DSI 2017, DC.

"Managing technology products with the trade-in program and used-product market," POMS 2016, Orlando, FL.

"The profitability paradox of sustainability practices: why sometimes more is less," POMS 2016, Orlando, FL.

"Mental accounting and payment schemes in manufacturer's returns policies," INFORMS 2015, Philadelphia, PA.

"Association between supplier and buyer performance: An empirical investigation," DSI 2014, Tampa, FL.

"Transshipment between two retailers under demand disruption risk," POMS 2014, Atlanta, GA.

"Closed-Loop supply chain models under alternative reverse channel and collection cost structures," POMS 2013, Denver, CO.

"Closed-Loop supply chain models under alternative reverse channel and collection cost structures," DSI 2012, San Francisco, CA.

"Closed-Loop supply chain design for a high-tech product," INFORMS 2012, Phoenix, AZ.

"Optimal order and effort decisions in the newsvendor model," INFORMS 2009, San Diego, CA.

"Ordering and pricing a fashion product to minimize regret," POMS A2008, La Jolla, CA.

"Ordering and pricing a fashion product to minimize regret," MSOM 2008, University of Maryland, College Park, MD.

"Markdown money contracts for perishable goods with clearance pricing," DSI 2007, Phoenix, AZ.

"The Loss-averse newsvendor problem," INFORMS 2006, Pittsburgh, PA.

"Random yield and uncertain demand in decentralized supply chains under RMI and VMI partnerships," INFORMS 2005, San Francisco, CA.

"A General framework of supply chain contract models," DSI 2002, San Diego, CA.

"Supply chain coordination under random yield and uncertain demand," INFORMS 2001, Miami Beach, FL.

"Supply chain coordination in B2B electronic marketplaces," DSI 2001, San Francisco, CA.

"Supply chain coordination when demand is lead-time-dependent," DSI 2001, San Francisco, CA.

TEACHING ACTIVITIES

MBA/MS Courses

MGO 630: Operations and Service Management (MBA core), 2004–2010; 2024– present
MGS 617: Spreadsheet and Statistical Programming for Business (MSBA core), 2021–present
MGO 636/STL 503: Supply Chain Analytics (MSBA domain core; MSSTL core), 2008–present
MGO 631: Production & Inventory Control (MSSCM core; SAP platform), 2004–2010; 2018–2020
STL 557: Master Integrative Project (MSSTL), 2020–present
MGO 647: Master Integrative Project (MSSCM), 2011–2017

Undergraduate Courses¹

MGO 336: Operations Analytics (Data Analytics Concentration), Spring 2019 and Fall 2019
SOM 365#: Introduction to Supply Chain Management, Fall 2002
SOM 123#: Introduction to Information Systems for Managers, Summer 2002

PhD Courses

MGO 797 Doctorial Seminar in Operations Management, 2009–2020
MGO 798 OMS/MSS Joint PhD Noon Seminar, 2012–2021

Ph.D. Dissertation Advisors

Shuxian (Susan) Xiao (Ph.D. in Operations Management), graduated in 2025 (took position at University of Northern Iowa, Cedar Falls, IA)
Khadija Ajmal (Ph.D. in Operations Management), graduated in 2023 (took position at University of Wisconsin, Superior, WI)
TingShu (Tim) Hung (Ph.D. in Operations Management), graduated in 2022 (took visiting position at DePaul University, IL)
Zhuang Qian (Ph.D. in Operations Management), graduated in 2018 (took position at Penn State University Worthington Scranton, PA)
Imsu Park (Ph.D. in Operations Management), graduated in 2015 (took position at Samsung Economic Research Institute, South Korea)
Yabing Zhao (Ph.D. in Operations Management), graduated in 2015 (took position at San Francisco State University, CA)

¹ # denotes the course taught at Whitman School of Management, Syracuse University.

Ph.D. Dissertation Committee Members

Ph.D. in Operations Management

Sreejith Krishnakumar, graduated in 2020 (took position at Indian Institute of Management Udaipur, India)

Zhasmina Tacheva, graduated in 2020 (took position at School of Information Studies, Syracuse University, NY)

Behzad Zahiri, graduated in 2019 (took position at Norfolk Southern Corp., VA)

Torsten Doering, graduated in 2017 (took position at Daemon College, NY)

Dennis Jamrose, graduated in 2017 (took position at Missouri State University, MO)

Sima Fortsch, graduated in 2014 (took position at University of Michigan, Flint, MI)

Ilyoung Jung, graduated in 2014 (took position at Science and Technology Policy Institute, South Korea)

Chia-Hung Chuang, graduated in 2012 (took position at University of North Dakota, ND)

Jeong Hoon Choi, graduated in 2011 (took position at University of Akron, OH)

Chung-Yean Chiang, graduated in 2011 (took position at Georgia Southern University, GA)

Minkyun Kim, graduated in 2010 (took position at Korean Business School, South Korea)

Chungsuk Ryu, graduated in 2006, (took position at Kookmin University, South Korea)

Ph.D. in Management Science and Systems

Theophile Ndabu, graduated in 2023 (took position at University at North Carolina, Charlotte, NC)

Jiajia Qu, graduated in 2022 (took position at University of Texas Permian Basin, TX)

Pavankumar Mulgund, graduated in 2020 (took position at University of Memphis, TN)

Victoria Kisekka, graduated in 2015 (took position at State University of New York at Albany, NY)

Ph.D. in Strategic Management

Juehui Shi, graduated in 2019 (took position at Angelo State University, TX)

Sunhwan Gwon, graduated in 2017 (took position at Natural Agricultural Cooperative Federation, South Korea)

UNIVERSITY SERVICE

University at Buffalo Faculty Senate Standing Committees

Budget Priorities Committee, 2024–present
By Laws Committee, 2024–present
Academic Freedom and Responsibility Committee, 2024–2025
Equity and Diversity Committee, 2024–2025

SCHOOL SERVICE

University at Buffalo School of Management

Leadership Roles

Chair of MBA/MS Program Committee, Fall 2023–present
Co-director, M.S. in Operations and Supply Chain Management, 2019–2021
Director, M.S. in Supply Chains and Operations Management, 2013–2018
Interim Department Chair, Operations Management and Strategy, Spring 2011

Committee Members

Policy Committee, 2007–2009, 2016–2018; 2023–present
MBA/MS Program Committee, 2006–2018; 2020–present

- Sub-Committee for MBA/MS Student Achievement Award, 2007–2009, 2012–2016; 2024–present

Personnel Action Committee, 2010–2012; 2017–2019
Assurance of Learning Committee, 2017–2019
MS STL Student Admission Committee, 2017
Big Data/Business Analytics Program Working Committee, Fall 2015
Research Impact Committee, Spring 2014
Committee for Sustainability and Social Responsibility Curriculum, Fall 2009
Undergraduate Program Committee, 2005–2006

DEPARTMENT SERVICE

Department of Operations Management and Strategy

Ph.D. Program Coordinator, Spring 2024
Ph.D. Student Admission Committee, Fall 2009–present
Chair, Operations Management Full Professor Search Committee, Spring 2023
Member, Operations Management Assistant Professor Search Committee, 2008, 2010, 2013–2014, 2018, 2023
Faculty Coordinator, Supply Chains and Operations Management Student Club, Fall 2006–Spring 2011

PROFESSIONAL SERVICE

Invited Session Chairs

INFORMS Annual Conference, 2012, 2018
POMS Annual Conference, 2017, 2018, 2023
DSI Annual Conference, 2001, 2007, 2024

Professional Services and Committees

POMS Library Promotion Committee, 2006
DSI International Affairs Committee, 2007– 2009

External Tenure Reviews

University of Vermont, University of Louisville, Singapore Management University

Associate Editor

Decision Sciences, 08/2015–11/2017

Editorial Review Board

Decision Sciences, 03/2023–present

Ad Hoc Reviewers

Management Science
Production and Operations Management
IIE Transactions
Decision Sciences
European Journal of Operational Research
International Journal of Production Economics
International Journal of Production Research
International Journal of Research in Marketing
Omega
Annals of Operations Research
Computers & Industrial Engineering
IEEE Transactions on Engineering Management
Transportation Research Part E: Logistics and Transportation Review
Economic Letters
Journal of Purchasing and Supply Management

COMMUNITY SERVICES

American Red Cross Blood Donor Ambassador, 2023–2025
Executive Board, Upstate New York Math Team, 2022–present
Parent Volunteer, Upstate New York Math Team, 2021–present