

SEAN X. ZHOU

Room 902, 9/F, Cheng Yu Tung Building, No.12, Chak Cheung Street
The Chinese University of Hong Kong
Shatin, New Territories, Hong Kong
Phone: (852) 3943-7812
E-Mail: seanzhou@cuhk.edu.hk

ACADEMIC APPOINTMENT:

The Chinese University of Hong Kong, CUHK Business School, Department of Decisions, Operations and Technology

Department Chair	Aug. 2020 – Present
Professor	Aug. 2016 – Present
Outstanding Fellow of Business School	Aug. 2014 – Jul. 2029
Associate Professor	Mar. 2012 – Aug. 2016

Director, MSc Program in Information & Technology Management	Aug. 2016 – Jul. 2019
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Director, Supply Chain Research Center	Jan. 2013– Present
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Asian Institute of Supply Chain & Logistics

University of Toronto, Rotman School of Management

Visiting Professor	Jul. 2019 – Jan. 2020
Recipient of the Award for Emerging Leaders in Honor of Dean Roger Martin	

National University of Singapore, NUS Business School, Department of Decision Sciences

Visiting Associate Professor	Jan 2016 –May 2016
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The Chinese University of Hong Kong, CUHK Business School

Director, MPhil-Ph.D. Program	Feb. 2014 – Aug.2014
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The Chinese University of Hong Kong, Department of Systems Engineering and Engineering Management

Associate Professor	Mar. 2012 – Sep.2013
Assistant Professor	Jul. 2006 – Mar. 2012

Deputy Director, Executive MSc Program in Logistics and Supply Chain Management	Aug. 2012– Feb. 2015
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RESEARCH INTERESTS:

Inventory Management, Pricing, Sustainable Operations, Data-driven Supply Chain Optimization, Operations and Marketing Interface

EDUCATION:

North Carolina State University, Raleigh, NC <i>Ph.D. in Operations Research</i> <i>Minor: Electrical Engineering</i>	Jan. 2003 – Mar. 2006
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North Carolina State University, Raleigh, NC <i>Master of Operations Research</i> <i>Co-Major: Industrial Engineering</i>	Aug. 2001 – Dec. 2002
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Zhejiang University, Hangzhou, China
B.S. in Electrical Engineering
Minor: English

Sep. 1997 – May 2001

TEACHING EXPERIENCES:

The Chinese University of Hong Kong

Jul. 2006—Present

- **Business School (2012—Present)**

- Undergraduate
 - Global Supply Chain Management
 - Operations Management
 - Decision Modeling and Analytics
- Master of Science
 - Sustainable Supply Chain Management
- MBA
 - Managing Supply Chains in China (Elective)
 - Operations Management (Required, full-time, part-time, and flex mode)
 - Business Field Study - Mainland China (Elective)
- EMBA
 - Data, Model, and Decisions (Elective)
 - Sustainable Operations and Supply Chain Management
- Ph.D.
 - Economics of Information
 - Markov Decision Processes
 - Reinforcement Learning

- **Engineering School (2006--2012)**

- Undergraduate
 - Decision Methodology and Applications
- Executive Master of Science
 - Engineering Economics
- Master of Science
 - Economics of Information
 - Manufacturing, Service and Operations Management
 - Engineering Economics
- Ph.D.
 - Queueing Systems
 - Markov Decision Processes

University of Toronto

Aug. 2019—Dec. 2019

- **Rotman School of Management**

- Ph.D. course: Markov Decision Processes and Reinforcement Learning

Short Courses

- Operations Management, FMBA, Shanghai Advanced Institute of Finance, Shanghai, 2019
- Ph.D. Seminar course on Logistics and Supply Chain, Department of Decision Sciences, NUS, Singapore, 2016
- Markov Decision Processes, Department of Management Science, Xiamen University, China, 2013-2018
- Recent Research Developments in Inventory Management of Dynamic Remanufacturing Systems, National Chiao-Tong University, Taiwan, 2012
- Markov Decision Processes, School of Engineering Management, Nanjing University, China, 2011
- Game Theory Applications in Supply Chains, Dalian University of Science and Technology, China, 2007

JOURNAL ARTICLES:

- 1) H. Chen, Y. Li, Y.J. Chen, M. Zhang, **S. X. Zhou**, 2025. Digital Goods Reselling: Implications on Cannibalization and Price Discrimination. *POMS*, **34**(7), 1725-1742.
- 2) O. Baron, G. Romero, Z.L. Zhang, **S. X. Zhou**, 2024. Innovative business models in ocean-bound plastic recycling. *M&SOM*, **26**(6), 2160-2178.
- 3) Y.B. Xiao, J. Yu, **S. X. Zhou**, 2024. Commit on Effort or Sales? Value of Commitment in Live-streaming E-commerce. *POMS*, **33**(11), 2241-2258
- 4) Z. Zhong, P. Cao, J. Huang, **S. X. Zhou**, 2024. Capacity allocation and scheduling in two-stage service systems with multi-class customers. *M&SOM*, **26**(5), 1842-1859.
 - Third Prize, 2024 CSAMSE conference best paper competition
- 5) Q. Yin, B. Jiang, **S. X. Zhou**, 2023. Effects of consumers' context-dependent preferences on product bundling. *Productions and Operations Management*, **32**(6), 1674-1691
- 6) J. Xu., M. Keblis, Y. Feng, **S. X. Zhou**, 2023. Optimal replenishment and transshipment management with two locations. *NRL*, **70**(4), 305-319
- 7) C. Yang, L. Guo, **S. X. Zhou**, 2022. Consumer satisfaction, advertising competition, and platform performance. *Productions and Operations Management*, **31**(4), 1576-1594
- 8) J. Wu, Z. Zhang, **S. X. Zhou**, 2022. Credit rating prediction through supply chains: a machine learning approach. *Productions and Operations Management*, **31**(4), 1613-1629
- 9) Q. Yin, K.L. Huang, C.W. Kuo, **S. X. Zhou**, 2021. Add-on pricing in a distribution channel. *Productions and Operations Management*, **30**(11), 4069-4088
- 10) Q. Jin, J.Y. Lin, **S. X. Zhou**, 2021. Price discounts and personalized product assortment: a robust approach. *IIE Transactions*, **53**(4), 453-471
- 11) C. Yang, Z. Hu, **S. X. Zhou**, 2021. Multilocation newsvendor problem: centralization and inventory pooling. *Management Science*, **67**(1), 185-200
- 12) Y. Wang, S. Zhang, **S. X. Zhou** & Y. Zhang, 2020. Anticipated rationing policy for inventory systems with two demand classes and backlogging costs, *International Journal of Production Research*, **58**(20), 6300-6314
- 13) Y. Xiao, **S. X. Zhou**, 2020. Trade-in for cash or for upgrade? dynamic pricing with customer choice. *Productions and Operations Management*, **29**(4), 856-881
- 14) Y. Jin, Q. Hu, S. Kim, **S.X. Zhou**, 2019. Supplier development and integration in competitive supply chains. *Productions and Operations Management*, **28**(5), 1256-1271

- 15) J. Y. Lin, **S. X. Zhou**, F. Gao, 2019 Production and technology choice under emissions regulation: centralized vs decentralized supply chains. *IIE Transactions*, **51**(1), 57-73
- 16) X. Chao, X. Gong, C. Shi, C. Yang, H. Zhang, **S. X. Zhou**, 2018. Approximation algorithms for capacitated perishable inventory systems with positive lead times. *Management Science*, **64**(11), 5038-5061
- 17) K. Zhang, C.S. Tang, **S. X. Zhou**, 2017. Replenishment strategies for micro-retailers in developing countries. *Production and Operations Management*, **26**(12), 2207-2225
- 18) T. Wang, X. Gong, **S. X. Zhou**, 2017. Dynamic inventory management with total minimum order commitments and two supply options. *Operations Research*, **65**(5), 1285-1302
- 19) X. Yan, X. Chao, Y. Lu, **S.X. Zhou**, 2017. Optimal policies for selling new and remanufactured products. *Production and Operations Management*, **26**(9), 1746-1759
- 20) W. Zhou, W. Huang, **S. X. Zhou**, 2017. Energy performance contracting in a competitive environment. *Decision Sciences*, **48**(4), 723-765
- 21) **S. X. Zhou**, C. Yang, 2016. Continuous-review (r, nQ) policies for inventory systems with dual delivery modes. *Operations Research*, **64**(6), 1302-1319
- 22) **S. X. Zhou**, Z. Tao, N. B. Zhang, G. Cai. 2016. Procurement with reverse auction and flexible noncompetitive contracts. *Decision Sciences*, **47**(3), 554-581
- 23) D. Yao, **S. X. Zhou**, W. Zhuang, 2016. Joint initial stocking and transshipment-asymptotics and bounds. *Productions and Operations Management*, **25**(2), 273-289
- 24) C.S. Tang, K. Zhang, **S. X. Zhou**, 2015. Incentive contracts for managing a project with uncertain completion time. *Productions and Operations Management*, **24**(12), 1945-1954
- 25) K. H. Shang, Z. Tao, **S. X. Zhou**, 2015. Optimizing reorder intervals for two-echelon distributions systems with stochastic demand. *Operations Research*, **63**(2), 458-475
- 26) Z. Tao, **S.X. Zhou**, 2014. Approximation balancing policies for inventory systems with remanufacturing. *Mathematics of Operations Research*, **39**(4), 1179-1197
- 27) **S. X. Zhou** and X. Chao, 2014. Dynamic pricing and inventory management with regular and expedited supplies. *Productions and Operations Management*, **23**(1), 65-80
- 28) X. Gong, **S. X. Zhou**, 2013. Optimal production planning with emissions trading. *Operations Research*, **61**(4), 908-924
- 29) Z. Tao, **S. X. Zhou**, C. Tang, 2012. Managing a remanufacturing system with random yield: properties, observations and heuristics. *Productions and Operations Management*, **21**(4), 797-813
- 30) C. Tang and **S. X. Zhou**, 2012. Research Advances in environmentally and socially sustainable operations. *European Journal of Operational Research*, **223**, 585-594
- 31) Q. Fu, **S. X. Zhou**, X. Chao, C.-Y. Lee. 2012. Combined pricing and portfolio option procurement. *Productions and Operations Management*, **21**(2), 361-377
- 32) G. Cai, Y. Dai, **S. X. Zhou**. 2012. Exclusive channels and revenue sharing in a complementary goods market. *Marketing Science*, **31**(1), 172-187
- 33) Y. Dai, **S. X. Zhou**, Y. Xu, 2012. Competitive and collaborative product quality and warranty management. *Productions and Operations Management*, **21**(1), 129-144
- 34) X. Chen, **S. X. Zhou**, F. Chen. 2011. Integration of inventory and pricing decisions with costly price adjustment. *Operations Research*, **59** (5), 1144-1158

- 35) **S. X. Zhou**, Y. Yu, 2011. Optimal product acquisition, pricing and inventory management for systems with remanufacturing. *Operations Research*, **59** (2), 514-521
- 36) **S. X. Zhou**, Z. Tao, X. Chao. 2011. Optimal control of inventory systems with multiple types of remanufacturable products. *M&SOM*, **13**, 20-34
- 37) X. Chen, Y. Zhang, **S. X. Zhou**, 2010. Preservation of quasi-K-concavity and its application to joint Inventory-pricing models with concave ordering costs. *Operations Research*, **58**, 1012-1016
- 38) **S. X. Zhou**, X. Chao. 2010. Newsvendor bounds and heuristics for serial supply chains with regular and expedited shipping. *Naval Research Logistics*, **57**, 71-87
- 39) K. H. Shang, **S. X. Zhou**, G. J. Van Houtum. 2010. Improving supply chain performance: real-time demand information and flexible deliveries. *M&SOM*, **12**, 430-448
- 40) K. H. Shang, **S. X. Zhou**. 2010. Optimal and heuristic echelon (r, nQ, T) policies in serial inventory systems with fixed costs. *Operations Research*, **58**, 414-427
- 41) K. H. Shang, **S. X. Zhou**, 2009. A simple heuristic for echelon (r, nQ, T) policies in serial supply chains. *Operations Research Letters*, **37**, 433-437
- 42) **S. X. Zhou**, X. Chao, C.-Y. Lee. 2009. Optimal transportation policies for production/inventory systems with an unreliable and a reliable carrier. *Journal of Global Optimization*, **44**, 251-271
- 43) X. Chao, **S. X. Zhou**. 2009. Optimal policy for a multi-echelon inventory system with batch ordering and fixed replenishment intervals. *Operations Research*, **57**, 377-390
- 44) X. Chao, **S. X. Zhou**. 2007. Probabilistic solution and bounds for serial inventory system with discounted and average cost. *Naval Research Logistics*, **54**, 623-631
- 45) X. Chao, **S. X. Zhou**. 2006. Joint inventory and pricing strategy for a stochastic continuous-review system. *IIE Transactions*, **38**, 401-408

FORTHCOMING JOURNAL ARTICLES:

- 1) K. Zhang, Z. Wang, X. Gao, **S.X. Zhou**, 2024. Sampling-based approximation for series inventory systems. *Management Science*
- 2) Z.L. Zhang, Y. Lei, **S. X. Zhou**, 2022. Dynamic pricing for multi-product consumer electronics trade-in programs. *Operations Research*
- 3) Y.X. Zhu, K. Chen, R. Zhang, **S. X. Zhou**, 2023. Optimal growth of a two-sided platform with heterogeneous agent types. *POMS*
- 4) Q. Yin, G. Lai, **S. X. Zhou**, 2024. Impacts of strategic consumers and direct channel on supply chain contracting. *POMS*.

REFEREED CONFERENCE PROCEEDINGS AND BOOK CHAPTERS:

- 1) D. Yao, Z. Zhang, **S. X. Zhou**, W. Zhuang. Joint Initial Stocking and Inventory Transshipment for Multi-Location Problems. *Proceedings of INFORMS/MSOM Conference*, University of Minnesota, US, July 2024
- 2) Y. Zhu, K. Chen, **S. X. Zhou**, Supply disruption in multi-tier supply chains: competition and network configuration, *Proceedings of INFORMS/MSOM Conference*, McGill University, Canada, June 2023
- 3) K. Shang, J. Song, **S. X. Zhou**, Single-stage approximations of multiechelon inventory models, *Research Handbook on Inventory Management*, edited by Jeannette Song, 2023 ISBN: 978 1 80037 709 7, Edward Elgar Publishing

- 4) X. Gong, **S. X. Zhou**, Inventory models with returns and remanufacturing, *Research Handbook on Inventory Management*, edited by Jeannette Song, 2023 **ISBN: 978 1 80037 709 7**, Edward Elgar Publishing
- 5) C. Yang, L. Guo, **S. X. Zhou**, Consumer satisfaction and advertising competition, *Proceedings of INFORMS/MSOM Conference. UNC-Chapel Hill, NC, U.S.*, June, 2017
- 6) C.S. Tang, K. Zhang, **S. X. Zhou**, 2016. Time-Related Incentive Contracts for Managing Projects with Uncertain Completion Time. *Information Exchanges in Supply Chains*, edited by C.S. Tang and A. Ha, 107-122, Springer
- 7) Q. Yin, J. Xue, **S. X. Zhou**. Sell Directly or Indirectly? Channel Structure and Dynamic Pricing with Strategic Customers. *Proceedings of INFORMS/MSOM Conference*. University of Toronto, Toronto, Canada, June, 2015
- 8) Z. Tao, **S.X. Zhou**. Approximation balancing policies for inventory systems with remanufacturing. *Proceedings of INFORMS/MSOM Conference*. INSEAD, France, June, 2013
- 9) X. Gong, **S. X. Zhou**. Optimal production planning with emissions trading. *Proceedings of INFORMS/MSOM Conference*. University of Michigan at Ann Arbor, June, 2011
- 10) X. Chen, **S. X. Zhou**, F. Chen. Integration of inventory and pricing decisions with costly price adjustment. *Proceedings of INFORMS/MSOM Conference*. MIT, June, 2009
- 11) **S. X. Zhou**, Z. Tao, N. B. Zhang, G. Cai. Reverse auction procurement with flexible noncompetitive contracts. *Proceedings of INFORMS/MSOM Conference*. University of Maryland, June, 2008
- 12) **S. X. Zhou**, Z. Tao, X. Chao Optimal control of inventory systems with multiple types of remanufacturable products. *Proceedings of INFORMS/MSOM Conference*. University of Maryland, June, 2008
- 13) K. H. Shang, **S. X. Zhou**. Improving supply chain performance: real-time demand information and responsive deliveries. *Proceedings of INFORMS/MSOM Conference*. Beijing, June, 2007
- 14) **S. X. Zhou**, X. Chao. 2006. Newsvendor bounds and heuristics for optimal policy of serial supply chains with and without expedited shipping. *Operations Research and Its Applications*, X-S. Zhou, D-G. Liu and L-Y. Wu (Eds.), pp 1-21. World Publishing Corporation

SUBMITTED PAPERS:

- 1) L. Xiao, K. Zhang, **S. X. Zhou**, 2020. On the value of inventory and supply information for mitigating supply disruption with capacitated suppliers. Under 2nd round (Major) revision for *M&SOM*
- 2) Y. X. Zhu, K. Chen, **S. X. Zhou**. 2022. Supply disruption in multi-tier supply chains: competition and network configuration. Under 1st round revision (Major) for *POMS*
- 3) Z. Wang, X. Gao, K. Zhang, **S.X. Zhou**, 2023. A hybrid sampling-based and gradient descent learning method and its applications in inventory management. Under 1st round revision (Major) at *M&SOM*
- 4) C. Sun, Z. Tao, X. Gao, **S. X. Zhou**, 2024. Remanufacturing Inventory System with Demand-Dependent Returns: Optimality Analysis and Approximations. Under 1st round (Major) revision for *Operations Research*

WORK IN PROGRESS:

- 1) Z. Zhang, W. Li, **S. X. Zhou**, 2024. Online Learning and Pricing in Electronics Trade-in Program.
- 2) D. Yao, Z. Zhang, **S. X. Zhou**, W. Zhuang, 2024. Joint Initial Stocking and Inventory Transshipment for Multi-Location Problems.
- 3) T. Wang, Q. Yuan, **S.X. Zhou**, 2019. Multi-product inventory management with total minimum order commitment.
- 4) K. Zhang, **S. X. Zhou**, Y. Shi, 2019. Dynamic inventory control with cash flow constraint and advance demand information.
- 5) Q. Yin, B. Jiang, **S. X. Zhou**, 2015. The dynamic effect of product bundling with strategic consumers.

CONSULTING ACTIVITIES

- Reinforcement learning solutions for AGVs in warehouse automation, 2025-
- Product pricing on personal electronics trade-in platforms, 2020-2021
- Multi-channel demand forecasting and inventory management, 2019-2020
- Spare parts inventory network design, demand forecasting, and inventory management, 2020
- Credit risk prediction with supply chain factors, 2019
- Demand forecasting and inventory management for drug coated stents, 2018

INVITED INDUSTRY TALKS

- “Semiconductor Supply Chains: Recent Development and Challenges.” British Consulate Hong Kong, Mar. 2024
- “Business Analytics Applications in Supply Chain and Operations Management, Toushi Consulting, Hong Kong, Mar. 2023
- “Dynamic Inventory Optimization,” Huawei Technologies, Shenzhen, China, Apr. 2018
- “Matching Supply and Demand; Inventory Management,” Toushi Consulting, Hong Kong, Dec. 2016
- “Matching Supply and Demand; Inventory Management,” E-Bay Hong Kong, Hong Kong, Sep. 2013
- “Service Industry in China,” APEMBA Program of National Sun Yat-Sen University (Taiwan), Shenzhen, China, Apr. 2013

CONFERENCE PRESENTATIONS AND INVITED SEMINARS:

“Online Learning and Pricing in Electronics Trade-in Program.”

- INFORMS annual conference, Seattle, U.S., Oct. 2024
- EURO conference, Leeds, UK, June 2025
- **Keynote speech**, POMS China Conference, Haikou, China, July 2025
- NUS Business School, NUS, Singapore, Aug. 2025

“Initial stocking and inventory transshipment for multi-location problems”

- School of Economics and Management, UCAS, Beijing, China, May 2024
- MSOM Conference, Minneapolis, US. June 2024
- ISCOM Conference, Wuhan, China, Dec. 2024
- School of Management and Economics, Dalian University of Technology, China, Apr. 2025
- 工程管理公益讲坛（六十三）——物流与供应链管理的最新研究, June 2025

“Supply disruption in multi-tier supply chains: competition and network configuration”

- MSOM Conference, Montreal, Canada, June 2023
- National Cheng Kung University, Taiwan, Nov. 2023

“Dynamic pricing for multi-product consumer electronics trade-in program”

- Marketing department, CUHK Business School, CUHK, Hong Kong, Feb. 2023
- Institute of Supply Chain Analytics, Dongbei University of Finance and Economics, Dalian, China, Apr. 2023
- Department of E-Commerce, South China University of Technology, Guangzhou, Apr. 2023
- Business School, Southern University of Science and Technology, Shenzhen, China, May 2023
- HKU Business School, University of Hong Kong, Hong Kong, China, May 2023
- Warwick Business School, University of Warwick, UK, July 2023
- Institute of Industrial Engineering, National Taiwan Univ., Taiwan, Nov. 2023
- School of Management Science and Engineering, Nanjing Univ., China, Mar. 2024
- School of Management, Fudan University, Shanghai, China, Apr. 2024

“Innovative business models for ocean-bound plastic recycling”

- Nankai Business School, Nankai University, Tianjin, China, Jul. 2022
- Nanjing Audit University, Nanjing, China, Mar. 2024
- School of Management, South China University of Technology, Apr. 2024
- Business Sustainability Conference, CUHK, Dec. 2024

“Sampling-based approximation for series inventory systems”

- School of Management and Engineering, Nanjing Univ., Nanjing, China, Nov. 2021
- ICSSSM 2022, Shenyang, China, Nov. 2022
- POMS-HK conference, Hong Kong, Jan. 2024

“On the value of inventory and supply information for mitigating supply disruption with capacitated suppliers”

- School of Management, Sichuan Univ., Chengdu, China, Nov. 2020
- School of Management, Yanshan Univ., Qinhuangdao, China, Aug. 2020
- School of Information Management and Engineering, SUFE, Shanghai, China, Jul. 2020
- School of Business, Northeastern University, Shenyang, China, Jun. 2020
- School of Management, Xiamen University, Xiamen, China, Jun. 2020

“Simultaneous bundling vs. sequential bundling in a distributional channel”

- School of Management, Fudan University, Shanghai, China, Mar. 2019

“Multilocation newsvendor problem: centralization and inventory pooling”

- Rotman School of Management, Univ. of Toronto, Dec. 2019
- Sauder School of Business, UBC, Canada, Nov. 2019
- DeGroote School of Business, McMaster Univ., Canada, Nov. 2019
- Carroll School of Management, Boston College, US, Nov. 2019
- Desautels School of Business, McGill Univ., Canada, Nov. 2019
- Department of Management Science, University of Waterloo, Canada, Sep. 2019
- Antai College of Economics and Management, Shanghai Jiaotong Univ., Shanghai, China,

- Mar. 2019
 - School of Management, Huazhong University of Science and Technology, Wuhan, China, Nov. 2018
 - School of Business, University of Hong Kong, Nov. 2018
 - INFORMS Annual Conference, Phoenix, U.S., Nov. 2018
 - CSAMSE annual conference, Ningbo, China, July 2018
 - INFORMS International Conference, Taipei, June 2018
 - Lingnan (University) College, Guangzhou, China, May 2018
- “Advertising competition and consumer satisfaction”
- School of Business, Hunan Univ., China, Jan. 2018
 - International Business College, DUFE, China, Dec. 2017
 - Department Industrial and Enterprise Systems Engineering, UIUC, IL, U.S., Oct. 2017
 - MSOM annual conference, Chapel Hill, NC, U.S., Jun. 2017
 - School of Management, Shenzhen Univ., Apr. 2017
- “Dynamic inventory management with total minimum order commitments and two supply options”
- School of Automation, Southeast University, Nanjing, China, Sep. 2016
 - Engineering Systems and Design, Singapore University of Technology and Design, Singapore, May, 2016
- “Dual channel management with strategic customers”
- Korea E-Trade Research Institute, Chung Ann University, Seoul, Korea, May 2016
 - Lee Kong Chian School of Business, Singapore Management Univ., Singapore, Apr. 2016
- “Sell directly or indirectly? Channel structure and dynamic pricing with strategic customers”
- School of Economics and Management, Tsinghua University, China, Dec. 2015
 - MSOM annual conference, Toronto, Canada, Jun. 2015
 - School of Business, University of Macau, Macau, Jan. 2015
 - POMS-HK conference, Lingnan University, Guangzhou, China, Jan. 2015
 - INFORMS annual meeting, San Francisco, U.S., Nov. 2014
 - Department of Management Science and Engineering, Nanjing University, Oct. 2014
- “Recent research developments in inventory management with dual sourcing”
- Summer School, Dalian University of Technology, Dalian, China, Aug. 2015
 - Summer School of Management Science and Engineering, Xiamen Univ., China, Jul. 2014
- “Energy performance contracting in a competitive environment”
- POMS annual conference, Atlanta, U.S., May 2014
- “Incentive contracts for a project with uncertain completion time”
- POMS annual conference, Atlanta, U.S., May 2014
- “Optimizing reorder intervals for two-echelon distributions systems with stochastic demand”
- School of Management, Xiamen Univ., Nov. 2013
- “Continuous-review (r, nQ) policies for inventory systems with dual delivery modes”

- Nanyang Business School, NTU, Singapore, Mar. 2016
- Department of Decision Sciences, NUS Business School, NUS, Singapore, Feb. 2016
- Department of Applied Mathematics, National Chia-Yi University, Taiwan, Aug. 2015
- Department of Industrial Engineering, South China University of Technology, Apr. 2014
- Department of Management Science, City Univ. of Hong Kong, Hong Kong, Apr. 2014
- Department of Logistics, Hong Kong Polytechnic Univ., Hong Kong, Feb. 2014
- School of Management, Tsinghua Univ., Beijing, China, Nov. 2013
- INFORMS annual conference, Minneapolis, U.S., Oct. 2013

“Dynamic inventory management with cash flow constraint and advance demand information”

- INFORMS annual conference, Minneapolis, U.S., Oct. 2013

“Approximation balancing policy for inventory systems with remanufacturing”

- MSOM Conference, INSEAD, Fontainebleau, France, July 2013
- Nankai University, Tianjin, China, May 2013
- INFORMS Annual conference, Phoenix, U.S., Oct. 2012
- INFORMS International conference, Beijing, June. 2012
- POMS annual conference, Chicago, Apr. 2012

“Call-back auctions for overbooked flights”

- INFORMS Annual conference, Phoenix, U.S., Oct. 2012

“Inventory control with transshipment: Optimal policy, bounds, and asymptotics”

- School of Management, USTC, Hefei, China, Nov.2012
- Department of Applied Mathematics, National Cheng Chi University, Taipei, Taiwan, Aug. 2012
- Department of Industrial Engineering, Eindhoven Univ. of Technology, Netherlands, May 2012
- School of Management, Xiamen Univ., Apr. 2012
- HKUST Business School, HKUST, Mar. 2012

“Managing remanufacturing systems with uncertain supply and demand”

- Department of Decision Sciences, NUS, Aug. 2011

“Spare parts management: anticipated rationing policy and dual sourcing”

- 16th ISIR conference, Budapest, Hungary, Aug. 2010

“Managing a remanufacturing system with random yield: properties, observations and heuristics”

- OCSAMSE 2010, Beijing, July 2010

“Optimal production planning with emissions trading”

- ISOCs2011, Shanghai University, China, Dec. 2011
- Lingnan College, Sun Yet-sen University, China, Nov.2011
- School of Management, South China University of Technology, Sep. 2011
- MSOM conference, Univ. of Michigan at Ann Arbor, MI, U.S., Jun.2011
- Lee Kong Chian School of Business, Singapore Management Univ., May 2011
- School of Mathematics, Xiamen University, Xiamen, China, Dec. 2010
- School of Engineering Management, Nanjing University, Nanjing, China, Nov. 2010
- Erasmus Research Institute of Management, Erasmus Univ., Netherlands, Aug. 2010
- Department of Industrial Engineering, Eindhoven Univ. of Technology, Netherlands, Aug. 2010

- Mostly OM Workshop, Tsinghua Univ., Beijing, China, May 2010
 - Department of Management Science, City Univ. of HK, Mar. 2010
- “Optimal product acquisition, pricing and inventory management for systems with remanufacturing”
- International Forum on the Interface of Marketing and OM, HKUST, HK, Dec. 2009
 - OCSAMSE 2009 Conference, Shanghai, China, Jul. 2009
- “Integration of inventory and pricing decisions with costly price adjustments”
- School of Management, USTC, Anhui, China, Nov. 2010
 - International Forum on Management Science and Operations Research, Shan Dong, China, Jun. 2009
 - Lee Kong Chian School of Business, Singapore Management Univ., Feb. 2009
 - INFORMS Annual conference, Washington D.C., U.S., Oct. 2008
- “Reverse auction procurement with flexible noncompetitive contracts”
- School of Management, Xiamen Univ., Apr. 2011
 - Guanghua School of Management, Peking Univ., Mar. 2010
 - INFORMS Annual Conference, San Diego, CA, U.S., Oct. 2009
 - OCSAMSE 2008 Conference, Shanghai, China, Jul. 2008
 - Department of IELM, HKUST, Feb. 2009
 - Department of Decision Sciences, National Univ. of Singapore, Nov. 2008
 - Department of Logistics, Hong Kong Polytechnic Univ., Oct. 2008
 - INFORMS Annual Conference, Washington D.C., U.S., Oct. 2008
 - MSOM conference, Univ. of Maryland, MD, U.S., Jun., 2008
- “Optimal control of inventory systems with multiple types of remanufacturable products”
- School of Management, Xiamen Univ., Jun. 2012
 - School of Engineering Management, Nanjing University, Nanjing, China, May 2010
 - POMS International, Tokyo, Japan, Aug. 2008
 - MSOM conference, Univ. of Maryland, MD, U.S., Jun. 2008
 - POMS Conference, San Diego, CA, U.S., May 2008
 - INFORMS Annual Conference, Seattle, WA, U.S., Nov. 2007
- “Improving supply chain performance: real-time demand information and responsive deliveries”
- Department of Management Science and Engineering, Tsinghua Univ., China, Dec. 2007
 - Department of ISMT, HKUST, Oct. 2007
- “Impact of replenishment policies on the value of demand information in serial supply chains”
- Multi-Echelon Conference, Beijing, China, Jun. 2007
- “Bounds and heuristics for optimal policies of supply chain with regular and expedited shipping”
- INFORMS Annual Conference, Pittsburgh, PA, Nov. 2006
- “Selecting inventory policies under different information regimes: Periodic vs. batch ordering”
- INFORMS Annual Conference, Pittsburgh, PA, Nov. 2006
- “Analysis of serial supply chain with batch ordering and nested replenishment schedule”
- Engineering Management Program, Univ. of North Carolina at Charlotte, Mar. 2006
 - The Fuqua School of Business, Duke Univ., Feb. 2006
 - Department of IELM, HKUST, Jan. 2006
 - Department of SEEM, CUHK, Jan. 2006
 - Department of Industrial Engineering, North Carolina State Univ., Jan. 2006
- “Optimal policy for multi-echelon inventory systems with periodic batching and batch ordering”

- INFORMS Annual Conference, San Francisco, CA, Nov. 2005
- “Optimal shipping policy for a production system with transportation disruption”
- INFORMS Annual Conference, San Francisco, CA, Nov. 2005
- “Distributional solution, bounds and heuristics for serial and assembly system with and without expedition”
- Department of Industrial Engineering Program, North Carolina State Univ., Dec. 2004
 - Institute of Systems Science, Chinese Academy of Sciences, Jun. 2005
- “Joint inventory control and pricing optimization for continuous review system”
- INFORMS Annual Conference, Denver, CO, Oct. 2004

PROFESSIONAL ACTIVITIES:

Professional Affiliation

- President, POMS-HK Chapter, 2019-2021
- Vice President, POMS-HK Chapter, Apr. 2017- Mar. 2019
- Member, Institute of Operations Research and Management Sciences (INFORMS)
- Member, Omega Rho International Honor Society
- Exco Member, Hong Kong Institute of Industrial Engineer 2007-2008

Editorial Positions

- Area Editor (Inventory and Supply Chain Optimization), Operations Research Letters, 2024.1-
- Senior Editor, Production and Operations Management, 2025.8-
- Associate Editor, Journal of Operations Research Society of China, 2020.10-
- Associate Editor, Journal of Systems Science and Systems Engineering, 2020.1-
- Associate Editor, Service Science, 2019.4-
- Associate Editor, Naval Research Logistics, 2018.1-
- Associate Editor, Operations Research Letters, 2013.12-2023.12
- Associate Editor, IIE Transactions, 2014.5-2019.6
- Guest Editor, Omega—Special Issue on New Research Frontiers in Sustainability

Referee for Journals:

Annals of Operations Research, Asia Pacific Journal of Operational Research, European Journal of Operational Research, IIE Transactions, International Journal of Production Economics, Management Science, Manufacturing and Service Operations Management, Mathematics of Operations Research, Naval Research Logistics, Operations Research, Operations Research Letters, Optimization, Production and Operations Management, Wiley Encyclopedia of Operations Research and Management Science

Others

- Judge for CSAMSE Best Paper Competition, 2025
- NRL The Harold W. Kuhn Award Committee Member 2025
- JFIG paper competition: 2024, 2025
- Member for Service Science Best Cluster Paper Award: 2023, 2024
- Referee for 2018 MSOM Service SIG
- Member of Best Paper Award Committee for IIE Transactions focused issue on Operations Engineering and Analytics, 2015

- Referee for MSOM Supply Chain Management SIG: 2014, 2023,2024

Conference Organization:

- General Co-Chair, POMS-HK International Conference, Jan. 2025, the Chinese University of Hong Kong
- Cluster Co-Chair, Inventory Management, POMS Annual Conference, May 2019, Washington DC, U.S.
- Co-Chair, OM Day, CUHK, Hong Kong, April, 2019
- Co-Chair, Workshop on Advanced Topics in Operations Management, May 2018, Shenzhen, China
- General Chair, POMS-HK International Conference, Jan. 2018, the Chinese University of Hong Kong
- Cluster co-chair (inventory systems), 2016, INFORMS International Conference, June, 2016, Hawaii, U.S.
- Organizing Committee Co-Chair, Summer School of Management Science and Engineering, July 2014, Xiamen University, China
- International Program Committee Co-Chair and Local Organizing Committee Co-Chair: ICSSSM13, July 2013, Hong Kong
- Co-chair of organizing committee: International Workshop of Operations Research and Management Science, Hefei, China, Jul. 2013
- Co-chair of organizing committee: International Workshop of Operations Research and Management Science, Xiamen, China, Jun. 2011
- Organization Committee: POMS-Hong Kong International Conference, 2009, 2010 ,2011, 2016, 2017
- Organization Committee: The Managing Supply Chains in A Flat World: Challenges and Opportunities, HKUST, Hong Kong, Jun. 2011
- Session chair for the following conferences
 - INFORMS Annual Conferences
 - INFORMS International Conferences
 - POMS Annual Conferences
 - POMS International Tokyo
 - POMS Hong Kong
 - Mostly OM
 - ISIR
 - CSAMSE Annual Conference

GRADUATE STUDENT SUPERVISION (PAST AND PRESENT):

Present Ph.D. Students

1. Chenxi Sun (DOT) 2022-
2. Bingqi Zhang (DOT) 2023-

Graduated Ph.D. Students

1. Yixin Zhu (DOT, co-supervised with Kevin Chen) graduated in July 2025 (First job: Assistant Professor, Shanghai University of Finance and Economics)
2. Zhuoluo Zhang (DSE), graduated in July 2022 (First job: Assistant Professor, School of Management, Xiamen University, China)
 - Honorable mention, 2021 POMS-HK best student paper competition

- 2nd prize, SC&LM Best Student Research Competition, 6th annual workshop on supply chain and logistics management, Dalhousie University, Canada, 2021
- 3. Zhanyue Wang (DSE, co-supervised with Xiangyu Gao), graduated in July 2022 (First job: Assistant Professor, Business School, Nankai University, China)
- 4. Zhiheng Zhong (DSE, co-supervised with Junfei Huang), graduated in June 2019 (Current Job: Associate Professor, Department of E-Commerce, South China University of Technology, China)
- 5. Pengxiang Cui (SEEM, co-supervised with Xiting Gong), graduated in August 2017 (First Job: Postdoctoral fellow at Shenzhen Capital Group Co. Ltd)
- 6. Tianxing Fang (DSE), graduated in August 2017, (First Job: Product manager in CEFC(HK) Asset Management Limited)
- 7. Qianbo Yin (DSE), graduated in July 2017 (Current Job: Associate Professor, Shanghai University of Finance and Economics)
- 8. Tong Wang (SEEM, co-supervised with Xiting Gong), graduated in July 2017 (Current Job: Assistant Professor, School of Business, City University of Hong Kong)
 - Honorable mention, 2016 POMS-HK best student paper competition
- 9. Kairen Zhang (SEEM), graduated in Aug. 2016 (Current position: Associate Professor, School of Management, University of Science and Technology of China)
- 10. Jiye Xue (DSE, co-supervised with Vernon Hsu), graduated in July 2015 (First Job: CFFEX)
- 11. Chaolin Yang (SEEM), graduated in July 2015 (Current position: Professor, Shanghai University of Finance and Economics)
 - 2nd prize, 2015 POMS-HK best student paper competition
- 12. Jun Jiang (SEEM), graduated in August 2012 (Current position: Senior Project Manager at Shenzhen Capital Group Co. Ltd)
- 13. Zhijie Tao (SEEM), graduated in June 2010 (Current position: Associate Professor, Shanghai University of Finance and Economics)

Graduated Mphil

- 14. Zhiheng Zhong (SEEM), graduated in August 2012 (first job: Hong Kong Airlines)
- 15. Chen Chen (SEEM), graduated in June 2010 (first job: Road King Infrastructure Limited)
- 16. Nianbing Zhang (SEEM), graduated in August 2008 (first job: Investment Banking Department, CITIC Securities Co.)
- 17. Yikun Yu (SEEM), graduated in August 2008 (Now with Morgan Stanley Huaxin Securities)

POSTDOCTORAL FELLOWS SUPERVISED:

- Li Xiao (Ph.D., National University of Singapore, Singapore), Aug. 2016-July 2017, current position: Associate Professor, School of Business, Macau University
- Miao Ma (Ph.D., Nanyang Technological University, Singapore) Feb. 2011-Aug. 2012
- Weifen Zhuang (Ph.D., Nanyang Technological University, Singapore) Oct. 2010-Jul. 2011, current position: Professor, School of Management, Xiamen University, China
- Fei Gao (Ph.D., Chinese University of Hong Kong) Jan 2009-Jun. 2011

COMPETITIVE RESEARCH GRANTS:

- RGC GRF Grant, “Online Learning and Pricing for Electronics Trade-in Programs” (**PI**), 2026-2028, HKD 400,000
- RGC GRF Grant, “Joint Initial Stocking and Transshipment of Multi-Location Systems: Optimality Analysis and Low-Regret Heuristics” (**PI**), 2024-2025, HKD 882,687
- RGC GRF Grant, “Simple Policies for Managing Remanufacturing Inventory Systems with Demand-Dependent Product Returns” (**PI**), 2022-2023, HKD 635,993
- RGC GRF Grant, “Dynamic Pricing for Product Trade-In Programs with Customer Choice” (**PI**), 2020-2021, HKD 417,421
- RGC GRF Grant, “Roles of Consumer Behaviors on Optimal Product Bundling Strategies” (**PI**), 2018-2019, HKD 432,077
- RGC GRF Grant, “Advertising Competition of Experience Goods with Consumer Switching” (**PI**), 2017-2018, HKD 168,000
- NFSC Grant 71531005, “The study of promotion, pricing and inventory management of enterprise products in social network” (Co-**PI**), 2016-2020, 3,106,000 RMB (240,000 RMB to SZRI, CUHK)
- NFSC Grant 71471159, “Managing Complex Warehouse Systems in the E-Business Era” (**PI**), 2015-2018, RMB 600,000
- RGC GRF Grant, “Dynamic Pricing in Dual-Channel Supply Chains with Strategic Consumers” (**PI**), 2015-2017, HKD 474,500
- RGC GRF Grant, “Approximation Algorithms for Stochastic Remanufacturing Inventory Systems” (**PI**), 2013-2016, HKD 595,230
- RGC GRF Grant, “Integration of Emissions Management and Supply Chain Optimization” (**PI**) 2012-2015, HKD 731,400
- RGC GRF Grant, “Inventory Management for Spare Parts Supply Chains: Solutions and Implementations” (**PI**) 2011-2013, HKD 579,600
- RGC GRF Grant, “Joint Replenishment and Re-distribution in Supply Networks: Structural Properties and Asymptotic Optimality” (**PI**) 2010-2012, HKD 588,793
- RGC GRF Grant, “Optimal Inventory Management in Reverse Logistics Systems with Multi-Type Returns” (**PI**) 2009-2011, HKD 419,415

HONORS AND AWARDS:

- Award for Emerging Leaders in Honor of Dean Roger Martin, Rotman School of Management, University of Toronto, Jul.2019- Jun. 2020
- Faculty Teaching Excellence Award (two each year), CUHK Business School, CUHK, 2016-17
- 2014 *M&SOM* Meritorious Service Award
- Outstanding Fellow of CUHK Business School (Aug. 1, 2014-Jul.30 2029)
- Faculty Teaching Award, CUHK Business School, CUHK, 2013, 2014, 2017-2023
- Research Excellence Award, CUHK Business School, CUHK, 2013, 2017
- Young Researcher Award, CUHK Business School, CUHK, 2013
- Exemplary Teaching Award, Faculty of Engineering, The Chinese University of Hong Kong, 2007, 2012