

Xuan Zhao, Ph.D.
Professor of Operations and Decision Sciences
Lazaridis School of Business and Economics, Wilfrid Laurier University

BIOGRAPHY

Dr. Zhao holds a Ph.D. in the joint fields of Management Science and Transportation/Logistics from the University of British Columbia, an MEM (Master of Engineering Management) from Northeastern University, and a B.Eng. in Chemical Engineering from Hunan University, China (exempted from National Entrance Exam). Her research involves utilizing the tools of Management Science/Operations Research and Economics to model, analyze, and derive insights into problems in the areas of Supply Chain Management, Marketing/OM interfaces, Revenue Management, Entrepreneurships, and Sustainable Operations. Her research papers appear in prestigious refereed journals in operations such as *Manufacturing & Service Operations Management (Financial Times top 50)*, *Production and Operations Management (Financial Times top 50, sole authored)*, *IIE Transactions (the article is highlighted by Editor-in-Chief)*, *European Journal of Operational Research*, *Naval Research Logistics*, *IEEE Transactions on Engineering Management*, *Operations Research Letters*, *Decision Sciences* as well as in strong marketing journals such as *Quantitative Marketing and Economics* and *European Journal of Marketing*.

Dr. Zhao's research has been recognized and supported by research councils in Canada such as Natural Sciences and Engineering Research Council of Canada (NSERC), Social Sciences and Humanities Research Council (SSHRC), and Ministry of Ontario Research and Innovation Council. External and internal funds (total of \$686,000) enable her to supervise six post-doctoral fellows, four doctoral students, and three master's students. She has also won numerous other grants, awards, and scholarships, including the faculty merit awards, MRI post-doctoral supervision award, course remission grants, Canadian Operations Research Society Doctoral Student Paper Competition Award, Dean Earle D. MacPhee Memorial Scholarship, Lusztig Scholarship, among others.

She teaches both graduate and undergraduate courses, including a Ph.D. Seminar in Inventory and Procurement Management, Business Decision Models and Operations Management at Wilfrid Laurier University (with numerous letters of recommendation from the Deans for teaching excellences). She has been appointed as an Adjunct Associate/Assistant Professor in the Department of Management Science in the University of Waterloo since 2008. She was elected to be Councilor of Canadian Operations Research Society and membership chair from 2013-2015. She served on the Adjudication Committee of SSHRC grant in 2015-16. She is now serving as the committee member of the Evaluation Group of NSERC.

CURRICULUM VITAE

Program: Operations and Decision Sciences, Lazaridis School of Business and Economics, May 2020

a) NAME:

Dr. Xuan Zhao: Professor, tenured Member of the Graduate Faculty

b) DEGREES:

Ph.D. Joint field of Management Science and Transportation and Logistics, The University of British Columbia, Sauder School of Business, Vancouver, Canada, 2004

M.Sc. Engineering Management, Northeastern University, College of Business and Economics, China, 1997

B. Engineering. Chemical Engineering, Hunan University, College of Chemistry and Chemical Engineering, Bachelor of Engineering 1992 (as a top ranked student from the top ranked high school, I was admitted to university exempt from National University Entrance Exam)

c) EMPLOYMENT HISTORY:

- 2017 Professor, Wilfrid Laurier University, Lazaridis School of Business and Economics, Waterloo, Ontario, Canada
- 2010–2017 Associate Professor, Wilfrid Laurier University, Lazaridis School of Business and Economics, Waterloo, Ontario, Canada
- 2008– Adjunct Assistant/Associate Professor, University of Waterloo, Faculty of Engineering, Department of Management Science, Waterloo, Ontario, Canada.
- 2004–2010 Assistant Professor, Wilfrid Laurier University, School of Business and Economics, Waterloo, Ontario, Canada
- 2000–2004 Lecturer and Research Associate, The University of British Columbia, Sauder School of Business, Vancouver, Canada.

d) HONOURS:

- 2019 Best Paper Award. POMS Division, ASAC Conference.

- 2018 Faculty Merit Award, Wilfrid Laurier University
- 2016 Faculty Merit Award, Wilfrid Laurier University
- 2013 Faculty Merit Award, Wilfrid Laurier University
- 2010 Faculty Merit Award, Wilfrid Laurier University
- 2009 MRI (Ministry of Ontario Research and Innovation) PDF Research Supervision Award
- 2009 Three letters of teaching recommendations from the Associate Deans
- 2008 Two letters of teaching recommendations from the Associate Deans
- 2007 One letter of teaching recommendations from the Associate Deans
- 2003 Category A Ph.D. Thesis (top of four levels), The University of British Columbia
- 2003 Winner for Canadian Operations Research Society Doctoral Student Paper Competition
- 2000–2003 Research Fellowship, Sauder School of Business, UBC
- 2000–2002 Dean Earle D. MacPhee Memorial Fellowship, Faculty of Commerce and Business Administration, UBC
- 1999–2000 Lusztig Fellowship, Faculty of Graduate Studies, UBC
- 1999–2001 Partial international tuition scholarship, Faculty of Graduate Studies, UBC

e) SCHOLARLY AND PROFESSIONAL ACTIVITIES:

- 2018-2021 NSERC Civil, Industrial and Systems Engineering Evaluation Group
- 2018-2021 External Academic Examiner, Lingnan University, Hong Kong
- 2018-2019 Visiting scholar, Department of Management Science, University of Waterloo
- 2015-2016 SSHRC Insight Development Grant Adjudication Committee
- 2013-2015 Canadian Operations Research Society (CORS) Councilor and Membership Chair
- 2011- Editorial Review Board for *Production and Operations Management* (Financial Times Top 50)
- 2005- Reviewer of NSERC Discovery Grant
- 2005- Reviewer of *Management Science, Operations Research, Manufacturing & Service Operations Management, Marketing Science, IIE Transactions, European Journal of Operational Research, Naval Research Logistics, Production and Operations Management,*

Transportation Research: Part E, International Journal of Production and Economics, Omega, Journal of Revenue and Pricing Management, IFOR, and NSERC Grant applications

- 2010–2013 External Academic Examiner, Lingnan University, Hong Kong
2011–2012 Honorable scholar, Northeastern University, China
May 2005 Visiting Scholar Department of Operational Research, London School of Economics

Conference organizations

- 2020 Invited Session Chair, Revenue Management and Pricing. CORS Conference, Toronto.
2019 Cluster Chair: Operations & Service Management, CORS Conference, Saskatoon
2016 Invited Session Chair, Institute of Operations Research and Management Science (INFORMS) International Conference, Hawaii.
2016 Cluster Chair: Sustainable Operations. CORS Conference, Banff.
2014 Invited Session Chair, INFORMS Conference, San Francisco.
2013 Cluster Chair: Revenue Management and Pricing. CORS Conference, Vancouver.
2009 Program Committee for the 6th Annual International Symposium on Supply Chain Management.
2007 Invited Session Chair, INFORMS Conference, Seattle.
2005 Invited Session Chair, INFORMS, San Francisco.
2003 Program Coordinator, CORS Conference, Vancouver.

e) GRADUATE SUPERVISIONS:

Completed: 6 post-doctoral fellows, 5 Ph.Ds, 6 Master's.
In progress: 1 post-doctoral fellows, 1 doctoral student

Post-doctoral fellows

- Dr. Wei Li, "Channel structure design and customer returns management for competing manufacturers," Feb. 01 2020 – Feb. 01, 2021.
- Dr. Rongyu Wang, "Controlling a supplier's subcontracting decisions with incomplete and ambiguous information," Oct. 01, 2016 – June 30, 2018. Placement: Shandong Arts University, China
- Dr. Junsong Bian, "Incentives for Sustainable Operations in Energy Sector," Sep. 01 – Dec. 01, 2015. Placement: Macquarie University, Australia
- Dr. Tina Cao, "Green Application of Loyalty Program in Energy Sector," Aug. 2012–March 2013. Placement: University of Wisconsin-Whitewater

- Dr. Wei Xing. “Asymmetric Information with the Presence of Spot Market,” April 2011–April 2012. Placement: Qufu Normal University, China.
- Dr. Xiaodong Yang. “Advanced Selling with Strategic Consumers,” Nov. 2009–Sep. 2010. Placement: Beijing Foreign Language University, China.
- Dr. Yong He. “Repeated Interactions in Assembly Systems,” Feb. 2008–August 2008. Placement: Southeast University, China.

Doctoral students

- Xiaoyan Chen. “Product Design and Optimal Pricing under Freemium Model with Strategic Consumer.” Dec. 01, 2019 –Dec. 01, 2020.
- Qi Zhang. In progress. “Supply chain incentives with two-sided information asymmetry.” Visiting period: Sep. 2017- Sep. 2018.
- Guanmei Liu. In progress. “Supply chain management under disruption.” Visiting period: Sep. 2016 – Sep 2017.
- Jialu Li. “Information and behavior issues in supply chains” Visiting period: Sep. 2015 – Sep 2016. Placement: Shandong University of Finance and Economics.
- Wensi Zhang. “The Effect of Environmental Violation Penalties on Shareholder Wealth in China.” Sep. 2014–Dec. 2015.
- Maryam Hafezi. Supervisor. “Green Product Development.” Sep. 2009 – Sep. 2016. Placement: Laurentian University

Others

- Behrouz Bakhtiari. External Examiner. McMaster University. 2013.
- Alireza Azimian. Comprehensive exam committee member, 2013.
- Mr. Mark Steven Zschocke. The University of Waterloo. Committee member. 2010-2011.
- Hamidreza Faramarzi. Comprehensive exam committee member.

Master’s students

- Sicong Zhao. Research project supervisor. Fall 2018-Fall 2019. “Diffusion and investment in energy sector.” Placement: BentallGreenOak.
- Yichen Wang. Research project supervisor. Winter 2018- Fall 2018. “Diffusion and investment in energy sector.” Placement: PwC.
- An Ngoc Nguyen. Research project supervisor. Winter 2018 - Fall 2018. “Diffusion and investment in energy sector.” Placement: PathFactory.
- Jesmine Fung. Thesis supervisor. Fall 2013–Fall 2014.”An Assessment of the Feed-In-Tariff Program in Ontario”. Placement: National Engineered Fasteners.
- Lu Gao. Thesis supervisor. Fall 2011–Fall 2012. “Determining Intra-company transfer price for multinational corporations.” Placement: General Mills Canada.

- Davoud Mirjalalieh Shirazi. Thesis supervisor. Spring 2009. “Supplier selection for supply chains with uncertain suppliers.”
Others
- Wensi Zhang. Major Research Paper (MRP) Committee member. Fall 2015-Summer 2016.
- Shervin Espahbod. MRP Committee member. Fall 2015-Summer 2016.
- Sheng Gao. MRP Committee member. Fall 2011–Summer 2012.

Research Associates

- Xiaoying Cheng. “Sharing economy platform pricing mechanism under information asymmetry”. July 2019-July 2020.

f) UNDERGRADUATE/GRADUATE COURSES:

Course development

2019-2020 (BU 375) We redeveloped and enhanced the course. Based on the feedback from students and colleagues of past two years, we did a major revision of the course, and included some important new topics: Product Design, Service Design, Forecasting and Scheduling. We have also further revised the existing topics such as Quality Management, Capacity and Process.

2017-2018 (Undergraduate Operations Management Course): A new course that combines BU385 and BU395. Re-design the entire course, select topics and materials covered in the new course, and use a new textbook that adopts examples and cases including both international and Canadian business. We design the new on-line assignments, in-class practices, and speed-drill challenge exercises.

2009 BU 855 (Ph.D. Seminar in Inventory and Procurement Management):
Course package design, including course outline, schedule, and course materials that introduces advanced methodology and theory in inventory management, and cutting edge development in the field.

Graduate teaching

Seminar

2010-2018 BU 855 (Inventory and Procurement Management)

Direct studies

2006-2007 Hamidreza Faramarzi, Ph.D. Summer projects

- 2009 Davoud Mirjalalieh Shirazi BU 608 Master’s Major Research Paper
- 2012 Lu Gao BU 608 Master’s Major Research Paper
- 2014 Jasmine Fung BU 608 Master’s Major Research Paper
- 2015 Wensi Zhang, BU 802 Ph.D. Summer research projects

Undergraduate teaching/course coordination

- 2020 BU375 (Operations Management) Redeveloped and Enhanced. Mandatory 3rd-year Core undergraduate operations decision-making course that introduces complete topics such as quality management, Statistical Control, Product Design, Capacity, Processes, Service Management, Learning curves, Project Management, Supply Chain Management, Aggregate Planning, Inventory Control, Forecasting, Scheduling, Lean Production, Comprehensive and all levels of decision making.
- 2017-2018 BU375 (Operations Management). Mandatory 3rd-year Core undergraduate operations decision-making course that introduces topics such as quality management, capacity planning, project management, supply chain management, aggregate planning, inventory control, focusing on all levels of decision making.
- 2008-2017 BU 395 (Operations Management). Mandatory 3rd-year undergraduate problem-solving course that introduces deterministic and stochastic models such as supply chain management, aggregate planning and inventory control, focusing on medium and short-term decision making.
- 2005-2006 BU 275 (Business Decision Models). Mandatory 2nd-year undergraduate problem-solving course that introduces fundamental business decision-making tools such as linear programming, goal programming and queuing models.

Before Laurier

- 2003 Instructor, COMM 291 (*Applications of Statistics in Business*), Sauder School of Business, U.B.C.
- 2002 Teaching Assistant for MBA core (BAMS 500 Applications of Management Science), Sauder School of Business, U.B.C.

g) EXTERNAL RESEARCH FUNDING:

- 2018–2023 NSERC (Natural Science and Engineering Research Council) Discovery Grant, \$180,000, single applicant. “New Issues in Supply Chain Management: Sustainability, Corporate Social Responsibility and Cognitive Bias.”
- 2016–2018 National Natural Science Foundation of China, RMB180,000 (around CAD36,000). co-applicant. "Dynamic Coordination of Supply Chains with Complementary Suppliers under Repeated interaction."
- 2015–2018 National Natural Science Foundation of China, RMB600,000 (around

CAD120,000). co-applicant. "Information Acquisition in a Supply Chain with Spot Market."

2014–2016 SSHRC (Social Sciences and Humanities Research Council) Insight Development Grant, \$69,325, single applicant. "Incentives for Sustainable Operations in the Energy Sector."

2012–2017 NSERC (Natural Science and Engineering Research Council) Discovery Grant, \$105,000, single applicant. "Emerging Issues in Supply Chain Management: Incentives, risk, and Information."

2009–2011 MRI (Ministry of Research and Innovation) Post Doctoral Fellowship supervision award: \$50,000 from Ontario Ministry of Research and Innovation and a matching fund of \$25,000 from Laurier, single applicant. "Revenue Management in Manufacturing Firms."

2005–2011 NSERC Discovery Grant, \$100,000, single applicant (one year extension due to maternity leave). "Supply Chain Management in New Economy."

h) INTERNAL RESEARCH FUNDING:

2020 CN Research Funds for research project "Strategic outsourcing decisions for manufacturers with customer returns and design innovation"

2019 Course remission for research project "Outsourcing and Product Line Decisions of Electric Vehicle Manufacturers"

2017 Course remission for research project "Behavior Issues in Transshipment"

2016 Course remission for research project "Environmental Policies in Supply Chains"

2015 Course remission for research project "Downstream Entry in Supply Chains with Spot Markets"

2014 Course remission for research project "Strategic Risk Management for Supply Chains"

2013 Course remission for research project "Incentives for Sustainable Operations in the Energy Sector"

2012 Course remission for research project "Information Asymmetric in Supply Chains"

2009 Course remission for research project "Revenue Management and Dynamic Pricing for Manufacturing Firms"

i) PUBLICATIONS:

Life-time summary:

Refereed journal articles.....	40
Papers under review.....	10
Projects in progress.....	8
Media featured articles.....	2
Papers in refereed conference proceedings.....	13
Conference presentations.....	36
Invited talks.....	25

Details Publications:

Referred Journal Articles

Forthcoming

40. Chen, Z. Z. Fan, X. Zhao. “Battery outsourcing decision and product choice strategy of an electric vehicle manufacturer.” *International Transactions in Operational Research*. <https://doi.org/10.1111/itor.12814>
39. Xing, W., Q. Li, X. Zhao, and J. Li. “Information sale and contract selection under downstream competition” *Transportation Research: Part E*. <https://doi.org/10.1016/j.tre.2020.101870>
38. Zhang, Q. Q. Zhao and **X. Zhao**. “On the introduction of green product to a market with environmentally conscious consumers”. *Computers & Industrial Engineering*. <https://doi.org/10.1016/j.cie.2019.106190>
37. Yu, Y. Y. He and **X. Zhao**. “Certify or not? An Analysis of Organic Food Supply Chain with Competing Suppliers” *Annals of Operations Research*. <https://doi.org/10.1007/s10479-019-03465-y>
36. Bian, J., **X. Zhao** and F. Liu. “Single vs. cross distribution channels with manufacturers’ dynamic tacit collusion.” *International Journal of Production Economics*. <https://doi.org/10.1016/j.ijpe.2019.07.029>

2020

35. Bian, J., **X. Zhao**. 2020. “Tax or Subsidy? Analysis of Environmental Policies in Supply Chains.” *European Journal of Operational Research*. 283 (3) 901-914.
34. Wang, N., Z. Fan, and **X. Zhao**. 2020. “Coordination in competitive dual-sales

channels of the mobile phone industry.” *International Transactions in Operational Research*. 27 (2) 984-1012.

2019

33. Xing, W. Q. Zhang and **X. Zhao**. “Supply Contract Design under Price Volatility and Competition” *International Journal of Production Research*. 57 (24) 7536-7551. <https://doi.org/10.1080/00207543.2019.1678085>
32. Zhang, Q., Q. Zhao and **X. Zhao**. “Manufacturer's product choice in presence of environment-conscious consumers: brown product or green product.” *International Journal of Production Research*. 57 (23) 7423-7438. <https://doi.org/10.1080/00207543.2019.1624853>
31. Xing, W, Q. Zhang, **X. Zhao** and L. Liu. “Effect of Downstream Entry to Supply Chains with Spot Market.” *IIE Transactions* 51 (10) 1110-1127. DOI: 10.1080/24725854.2018.1550825
30. Li, J., M. Yang and **X. Zhao**. “Quantifying and Mitigating Inefficiency in Information Acquisition under Competition.” *Central European Journal of Operations Research*. 27 (4) 985-1007.
29. Ma, S., G. Li, S. Sethi, **X. Zhao**. “Advance Selling in the Presence of Market Power and Risk-Averse Consumers” *Decision Sciences* 50 (1) 142-169
28. Zhang, P., Y. He., and **X. Zhao**. “Preorder-online, Pickup-in-Store Strategy in a Dual Channel Retailer.” *Transportation Research Part E: Logistics and Transportation Review*. 122 27-47
27. Liu, Y., T. Xiao, Z. Fan and **X. Zhao**. “Pricing, Environmental Governance, and Channel Coordination in a Socially Responsible Tourism Supply Chain.” *International Transactions in Operational Research*. 26 1025-1051

2018

26. Bian, J. K. Lai, Z. Hua, **X. Zhao** and G. Zhou. “Bertrand vs. Cournot competition in distribution channels with upstream collusion.” *International Journal of Production Economics* 204 278-289.
25. Li. J., M. Yang, W. Xing and **X. Zhao**. 2018. “Information Acquisition Behavior: An Evolutionary Game Theory Perspective.” *Dynamic Games and Application*. 8 (2) 434-455.
24. Lévesque, M., **X. Zhao** and J. Bian. 2018. “Rivals’ Production-Quantity and Entry-Timing Decisions in Emerging Markets.” *IEEE Transactions on Engineering Management*. 65 (1) 85-98.

2017

23. **Zhao X.**, D. Atkins, M. Hu and W. Zhang. 2017. "Strategic Revenue Management under Price and Seat Inventory Competition." *European Journal of Operational Research*. 257 (3) 957-970
22. Zhang Y., M. Hafazi, **X. Zhao** and C. Shi. 2017. "The Impact of Development Cost on Product Line Design and Its Environmental Performance" *International Journal of Production Economics*. 184 122-130.

2016

21. He, Y. and **X. Zhao**. 2016. "Coordinating a Supply Chain with Both Demand and Yield Uncertainty." *Naval Research Logistics*. 63 (4) 305-319.
20. Ma., S., J. Lin, and **X. Zhao**. 2016. "Online Store Discount Strategy in the Presence of Consumer Loss Aversion." *International Journal of Production Economics*. 171 (1) 1–7.

2015

19. **Zhao, X.**, W. Xing, L. Liu, S. Wang. 2015. "Demand Information and Spot Price Information: Supply Chains Trading in Spot Markets." *European Journal of Operational Research*. 246 (3) 837–849.
18. Gao, L., **X. Zhao**. 2015. "Determining Intra-company Transfer Pricing for Multinational Corporations." *International Journal of Production Economics*. (168) 340–350
17. Yang, S., **X. Zhao**, and C. Shi. 2015. "Joint Determination of Salesforce Compensation, Production and Pricing Decisions." *International Journal of Systems Science: Operations & Logistics*. 2(3): 144–155.
16. Ma., S., J. Lin, W. Xing, and **X. Zhao**. 2015. "Advanced Booking Discount in the Presence of Spot Market." *International Journal of Production Research*. 53(10): 2921–2936.

2012

15. He, Y., and **X. Zhao**. 2012. "Coordination in Multi-Echelon Supply Chain under Both Demand and Supply Uncertainty." Special issue of *International Journal of Production Economics*. 139(1): 106–115.
14. Niu, R., I. Castillo and **X. Zhao**. 2012. "Joint Pricing and Inventory/Production Decisions in a Two-stage Dual-retailer Supply Chain System." Special issue *Asian Pacific Journal of Operations Research*. 29(1): 1–38.

2011

13. Shi, V., S. Yang and **X. Zhao**. 2011. "Inventory Competition for Newsvendors under the Profit and Revenue Satisficing Objective." *European Journal of Operational Research*. 215(2): 367–373.

12. Yang, S., C.V. Shi, and **X. Zhao**. 2011. "Optimal Ordering and Pricing Decisions for a Target Oriented Newsvendor." *Omega—the International Journal of Management Science* 39, 110–115.
11. **Zhao, X.**, and C. Shi. 2011. "Structuring and Contracting in Competing Supply Chains." Special issue *International Journal of Production Economics* 134(2): 434–446.

2010

10. Shi, C.V., **X. Zhao**, and Y. Xia. 2010. "The Setting of Profit Targets for Target Oriented Divisions." *European Journal of Operational Research* 206, 86–92.
9. **Zhao, X.**, R. Niu, and I. Castillo. 2010. "Channel Structure for Non-Profit Organizations." *European Journal of Marketing*. 44(7/8): 972– 996.

2009

8. **Zhao, X.**, D. Atkins, and Yong Liu. 2009. "Effects of Distribution Channel Structure in Markets with Vertically Differentiated Products." *Quantitative Marketing and Economics* 4, 377–397.
7. **Zhao, X.**, and D. Atkins. 2009. "Transshipment between Competitive Retailers," *IIE Transactions* 41, 665–676. (This is the lead paper in Volume 41 and was highlighted by Editor-in-Chief in Industrial Engineer Magazine).
6. Atkins, D., and **X. Zhao**. 2009. "On the Modeling of Demand Spill for a Stochastic Demand System under Competition." *Operations Research Letters* 37, 269–272.
5. He, Y., and **X. Zhao**. 2009. "Supply Chain Coordination Using Returns Policy with Sales Rebate and Penalty under Effort and Price Dependent Demand," *Applied Mathematical Modeling* 33, 2777–2790.

2008

4. **Zhao, X.**, and D. Atkins. 2008. "Newsvendors under Price and Inventory Competition." *M&SOM (Manufacturing and Service Operations Management)*. 10(3): 539–546.
3. **Zhao, X.**, 2008. "Coordinating a Supply Chain System with Retailers under Both Price and Inventory Competition." *Production and Operations Management* 17(5): 532–542.

1997

2. Fan, Z.P., and **X. Zhao**. 1997. "An Objective and Subjective Synthetic Approach to Determine Weights for Multiple Attribute Decision Making."

Decision and Decision Support Systems 4, 87–91.

1. **Zhao, X.**, Q. Zhang, and Z.P. Fan. 1997. “An Integrated Objective and Subjective Approach to Determine Weights for Multiple Attribute Decision Making.” *Journal of Shenyang Polytechnic University* 19(4): 95–98.

Media Interviews and Featured Articles

“Retailers Compete and Consumers Benefit.” *Industrial Engineer Magazine* 2009. 41(7): 51.

“Model Management”. Special issue Loud and Clear. *International Innovation*. 2015. 196. 60-62

Publications in refereed conference proceedings

2019

Best Paper Award. “Role of Co-Opetition in A Competing Market on Developing Green Products” Production and Operations Management Division, Administrative Sciences Associate of Canada (ASAC) Conference, Brock University, with M. Hafezi.

2016

Extended abstract for “Carrot or Stick, An Analysis of Environmental Policies in Supply Chains”, Proceedings of the Manufacturing & Service Operations Management (M&SOM). Auckland, with Bian, J.

2015

Extended abstract for “Effect of Market Entry with the Presence of Spot Market.” Proceedings of the Manufacturing & Service Operations Management (M&SOM). Toronto. With Zhang, Q. Xing, W. Liu, L.

2014

Extended abstract for “Strategic Risk Management in Spot Market for Supply Chains under Competition.” Proceedings of the Manufacturing & Service Operations Management (M&SOM). Washington D.C. With Ma, S. Xing, W.

2010

Joint Pricing and Inventory/Production Decisions in a Two-stage Dual-retailer Supply Chain System.” Proceedings of the Annual Conference of the Production and Operations Management Society, 2010. Vancouver. With Niu, R., Castillo, I.

2009

Extended abstract for “Repeated Interactions in Assembly Systems.”

Proceedings of the Manufacturing & Service Operations Management (M&SOM). 2009 Boston. MIT Sloan School of Management. With He, Y.

2008

“Strategic Interaction between a Pioneer and a Startup: Capacity and Entry Time Decisions.” Proceedings of the Annual Conference of the Production and Operations Management Society, 2008. La Jolla, CA. With Lévesque, M.

2005

“Transshipment in Competitive Supply Chains.” Proceedings of M&SOM Conference, 2005. Northwestern University. With Atkins, D.

2004

“Relational Price Only Contracts in Supply Chain under Multi-periods Interaction”. Proceedings of M&SOM Conference, 2004. Holland Technische Universiteit Eindhoven. With Atkins, D., Krishnanm H.

2003

“Newsvendors under Simultaneous Price and Inventory Competition.” Proceedings of M&SOM Conference, 2003. University of Southern California. With Atkins, D.

2002

“Supply Chain Structure under Price and Service Competition.” Proceedings of Manufacturing & Service Operations Management (M&SOM) Conference, 2002. Cornell University. With Atkins, D.

2000

Zhao, X., Y. Li, Z. Fan. “A 3-D Model of Supply Chain Management.” Proceedings of the Fifth Conference of the Association of Asia - Pacific Operations Research Societies with IFORS, July 5-7, 2000, Singapore.

1999

Li, Y., Z. Fan, X. Zhao. An Integrated Framework of Supply Chain Management System.” Proceedings of 6th Asia-Pacific Software Engineering Conference (APSEC '99), December 7-10 1999, Takamatsu, Japan. IEEE Computer Society 1999, ISBN: 0-7695-0509-0.

Conference presentations (excluding presentations by co-authors)

2019

“Operational Hedging or Financial Hedging? Strategic Risk Management in Commodity Procurement” presented at

- CORS Conference. May 2019. Saskatoon.

2017

“Tax or Subsidy, an Analysis of Environmental Policies in Supply Chains”
presented at

- INFORMS Annual Meeting, Nov. 2017. Houston, United States
- IFORS & CORS Conference, July. 2017. Quebec City.

2016

“Carrot or Stick, an Analysis of Environmental Policies in Supply Chains”
presented at

- INFORMS Conference, Nov. 2016. Nashville.

“Strategic Risk Management for a Spot Market for Supply Chains under
Competition,” presented at:

- CORS (Canadian Operations Research Society) Conference, May 2016, Banff
- INOFMRS (The Institute for Operations Research and Management Science) International Conference, Sponsored session, June 2016, Kona

2015

“Effect of Entry in the Presence of Spot Market,” presented at:

- INFORMS Conference, Nov. 2015. Philadelphia.
- POMS (Production and Operations Management Society) Conference, May 2015, Washington DC.
- CORS Conference, May 2015, Montreal.
- MSOM (Manufacturing & Service Operations Management) Conference, June 2015, Toronto.
- The 8th International Annual Conference of the Chinese Scholars Association for Management Science and Engineering, July 2015, Shenyang, China.

“Strategic Risk Management for a Spot Market for Supply Chains under
Competition,” presented at:

- INFORMS Conference, Nov. 2015. Philadelphia
- The 8th International Annual Conference of the Chinese Scholars Association for Management Science and Engineering, July 2015, Shenyang, China.

2014

“Strategic Risk Management for a Spot Market for Supply Chains under
Competition,” presented at:

- POMS Conference, May 2014, Atlanta.
- CORS Conference, May 2014, Ottawa.
- MSOM Conference, June 2014, Seattle.
- INFORMS Conference, Sponsored session, Nov. 2014. San Francisco.

2013

“Financial Hedging or Operations Hedging: Supply Chains With Spot Market,” presented at:

- INFORMS Conference, Sponsored session, Oct. 2013. Minneapolis.

“Contracts and Partnerships: Supply Chains with Both Demand and Supply Uncertainty,” presented at:

- INFORMS Conference, Sponsored session, Oct. 2013. Minneapolis.

“Information Asymmetry in the Presence of Spot Market,” presented at:

- CORS Conference, Sponsored session, May 2013. Vancouver.

2012

“Information Asymmetry in the Presence of Spot Market,” presented at:

- INFORMS Conference, Sponsored session, Oct. 2012. Phoenix, Arizona.
- INFORMS International conference, Sponsored session, June 2012. Beijing.

2009

“Repeated Interactions in Decentralized Assembly Systems,” presented at:

- INFORMS Conference, Sponsored session, Oct. 2009. San Diego.
- CORS Conference, June 2009, Toronto.
- M&SOM conference. MIT Sloan School of Management. June 28-30, 2009. Boston.
- POMs Conference, April 2009. Orlando.

2008

“Inventory Competition for Newsvendors under the Profit and Revenue Satisficing Objective,” presented at:

- CORS Conference, May 2008, Quebec City.

2007

“Inventory Competition for Newsvendors under the Profit and Revenue Satisficing Objective,” presented at:

- INFORMS Conference, Invited session, Nov. 2007, Seattle.

“Strategic Revenue Management under Price and Seat Inventory Competition,” presented at:

- CORS Conference, May 2007, London, ON.

2005

“Outsourcing and Contracting in Competing Supply Chains,” presented at:

- INFORMS Conference, Invited session, Nov. 2005, San Francisco.

“Transshipment between Competitive Retailers,” presented at:

- M&SOM conference, June 2005, Northwestern University.

2004

“When Competitors Agree to Cooperate: the Case of Transshipment in Supply Chains,” presented at:

- CORS Conference, M&SOM sponsored session, May 2004, Banff, Canada.

2003

“Supply Chains with Newsvendors under Competition,” presented at:

- INFORMS Conference, Invited session, Oct. 19–23, 2003, Atlanta.
- M&SOM conference, June 17–19, 2003, University of Southern California.

“Strategic Revenue Management under Price and Seat Inventory Competition,” presented at:

- Revenue Management Conference, June 5-6, 2003, Columbia University.

2002

“Supply Chain Structure under Price and Service Competition,” presented at:

- INFORMS Conference, Sponsored session. Nov. 2002, San Jose
- M&SOM Conference, June 17-18, 2002, Cornell University.

Invited talks (excluding presentations by co-authors)

2018

“Tax or Subsidy, an Analysis of Environmental Policies in Supply Chains”

- Invited Brownbag Research Seminar, Western University, May. 2018.
- Research seminar, University of Waterloo, September 2018
- Research seminar, Southeast University, October 2018
- Research seminar, Nanjing University, October 2018

2016

“Carrot or Stick, an Analysis of Environmental Policies in Supply Chains”

- Invited Research Seminar series, Dalhousie University, Sep. 2016.

2015

“Strategic Risk Management for a Spot Market for Supply Chains under Competition,”

- Invited Research Seminar series, UBC, December 2015.

2013

“Information Asymmetry in the Presence of Spot Market, presented at:”

- Invited Research Seminar series, McGill University, September 2013.
- Invited Research Seminar series, McMaster University, April 2013.
- Invited Research Seminar series, Lingnan University, June 2013.
- Invited Research Seminar series, Hong Kong University of Science and

Technology, June 2013.

2012

“Supply Chain Management: Risk, Information and Incentive, presented at:”

- Invited Research Seminar, Northeastern University, China, May 2012.

“How to Publish in Good Journals?”

- Invited Research Seminar, Northeastern University, China, May 2012.

2008

“Rivalry in an Emerging Market: Capacity Commitment for an Established Pioneer and Entry Timing for a Startup Follower,” presented at:

- Invited research seminar series, University of Waterloo, March 2008.

2007

“Inventory Competition for Newsvendors under the Profit and Revenue Satisficing Objective,” presented at:

- Distinguished Speaker Seminar Series, Wilfrid Laurier University, Nov. 2007.

2005

“Outsourcing and Contracting in Competing Supply Chains,” presented at:

- Research seminar series, Wilfrid Laurier University, Nov. 2005.

“When Competitors Agree to Cooperate: the Case of Transshipment in Supply Chains,” presented at:

- Research seminar series, McMaster University, Dec. 2005.
- Research seminar series, Wilfrid Laurier University, Nov. 2005.

2004

“When Competitors Agree to Cooperate: the Case of Transshipment in Supply Chains,” presented at:

- Research seminar series, University of Waterloo, Oct. 2004.

“Competitive Supply Chain and Revenue Management,” presented at:

- University of Waterloo, Jan 22, 2004.
- Hong Kong University of Science and Technology, Jan 28, 2004.
- Wilfrid Laurier University, Feb. 09, 2004.

2003

“When Competitors Agree to Cooperate: the Case of Transshipment in Supply Chains,” presented at:

- Ph.D. seminar course: Advanced Topics in Transportation and Logistics, UBC, Nov. 04, 2003.

“Supply Chains with Newsvendors under Competition,” presented at:

- Operations and Logistics Division Seminar, UBC, Oct. 06, 2003.

2002

“Strategic Revenue Management under Price and Seat Inventory Competition,” presented at:

- Operations and Logistics Division Seminar, UBC, Nov. 04, 2002.

2001

“Supply Chain Structure under Price and Service Competition,” presented at:

- Operations and Logistics Division Seminar, UBC, Nov. 19, 2001.

j) PROFESSIONAL & COMMUNITY SERVICES:

National Level

NSERC Discovery Grant Evaluation Group

Councilor (elected) and membership chair, Canadian Operations Research Society

SSHRC Insight Development Grant Adjudication Committee

University Level

Member of university Senate

University Law & Regulation Committee

University Internal Grants Committee

Ontario University Fair

University examiner for doctoral dissertation defense, Department of History

Faculty Level

Lazaridis Institute Faculty Advisory Committee

SBE Recognition Committee

SBE Award Committee

Business Department Appointment and Promotion Committee

SBE Research Committee

SBE Graduate Admission Committee

SBE Ethics Committee

Business Department Course Curriculum Committee

China Advisory Council

BBA Curriculum Committee

ODS Area Level

BU375 Re-structuring

PhD/MSc. Student Admission and Curriculum Committee

Strategic Planning Committee

Full-Time Hiring Committee

Course Compression Committee.

f) INDUSTRY WORKING EXPERIENCE

1992-1995 & 1997-1999 AirPort Management Bureau of Shenyang
Government, China

g) CAREER INTERRUPTIONS

Maternity and Parental Leaves: 2006-2007, 2010-2011