

# Li Jiang

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## Academic Employment

Professor, July 2017 – present  
Associate Professor, July 2012 – June 2017  
Assistant Professor, January 2007 – June 2012  
Department of Logistics and Maritime Studies  
Faculty of Business, The Hong Kong Polytechnic University

Chair Professor appointed under National Scholars Program, April 2021 – present  
School of Management, Xi'an Jiao Tong University

## Education

Ph.D., Operations and Management Science, April 29, 2007  
Executive Education Certificate, Management of Managers, July 29, 2005  
Stephen M. Ross School of Business, University of Michigan, Ann Arbor, MI, USA  
Dissertation: *Matching Supply with Demand in Decentralized Multi-Location Systems*  
Supervisor: Ravi Anupindi  
Committee: William Lovejoy, Volodimir Babich, Sugato Bhattacharyya

BEng, Electrical Engineering and Economics  
Shanghai Jiao Tong University, Shanghai, China

## Research Interests

Data-driven operations; information sharing; credence goods market; consumer search; behavioral operations; sharing economy platform

## Representative Publications

- Xu, L., **L. Jiang**, Y. Zheng, “A Robust Data-Driven Approach for Newsvendor Problem with Non-parametric Information”, *Manufacturing & Service Operations Management*, Forthcoming, doi: 10.1287/msom.2020.0961.
- Hao, Z., **L. Jiang**, “An Investigation into Direct Selling: Information Flow and Supply Chain Structure”, *Production and Operations Management*, 30 6, 2021, 1785-1803.
- Cai, D., **L. Jiang**, “The Bright and Dark Sides of Customer Switching”, *Production and Operations Management*, 29 6, 2020, 1381-1396.
- Hao, Z., **L. Jiang**. “Direct Selling by Suppliers Improves System-wide Information Flow”. *Operations Research Letters*, 47 4, 2019, 305-310.
- Qiu, Q., **L. Jiang**, “How to Deal with Consumers who Group to Request a Discount?” *Naval Research Logistics*, 66 6, 2019, 469-484.
- Li, L., **L. Jiang**, “Horizontal Subcontracting From Competitors: When and What?” *Production and Operations Management*, 27 7, 2018, 1320-1333.
- Hao, Z., **L. Jiang**, “Impacts of Sequential Acquisition, Market Competition Mode and Confidentiality on Information Flow”. *Naval Research Logistics*, 65 5, 2018, 135-159.

- Jiang, L.,** Z. Hao, “Incentive-driven Information Dissemination in Two-tier Supply Chains”. *Manufacturing & Service Operations Management*, 18 3, 2016, 393-413.
- Jiang, L.,** “Managing Supplier Competition and Sourcing Sequence for Component Manufacturing”. *Production and Operations Management*, 24 2, 2015, 287-310.
- Jiang, L.,** Z. Hao. “Alleviating the Impacts of Capital Restriction at the Supplier by Two-order Arrangement”. *Operations Research Letters*, 42 4, 2014, 444 – 449.
- Jiang, L.,** “On the Effects of Capacity Agent on Market Equilibrium”. *Production and Operations Management*, 22 3, 2013, 676-690.
- Jiang, L.** “The Implications of Postponement Strategies on Contract Design and Channel Performance”. *European Journal of Operational Research*. 216 2, 2012, 356-366.
- Li, L., **L. Jiang,** L. Liu, “Service and Price Competition When Customers Are Naïve”. *Production and Operations Management*. 21 4, 2012, 747-760.
- Jiang, L.,** R. Anupindi, “Customer-driven vs. Retailer-driven Search: Channel Performance and Implications”. *Manufacturing & Service Operations Management*, 12 1, 2010, 102-119.
- Jiang, L.,** Y. Wang, “Supplier Competition in Decentralized Assembly Systems with Price-Sensitive and Uncertain Demand”. *Manufacturing & Service Operations Management*. 12 1, 2010, 93-101.
- Anupindi, R., **L. Jiang,** “Capacity Investment under Postponement Strategies, Competition, and Demand Uncertainty”. *Management Science*, 54 11, 2008, 1876-1890.
- Wang, Y., **L. Jiang,** Z. Shen, “Channel Performance under Consignment Contract with Revenue Sharing”. *Management Science*, 50 1, 2006, 34-47.

### **Funded Projects/External Grants**

- “Unethical Behavior in Service Industries: Occurrence, Nature and Extent”, General Research Fund (GRF PolyU 155009/21B) by Hong Kong Government Research Grants Council, PI, HKD 508K, 2022-24.
- “Firms’ Diverse Market Beliefs: Impacts on Information and Operations Policies in Supply Chains”, National Natural Science Foundation of China (NSFC 7217010747), PI, RMB 480K (HKD 576K), 2022-2025.
- “Dynamic Bundling for Revenue Management”, General Research Fund (GRF PolyU 155035/19B) by Hong Kong Government Research Grants Council, Co-I, with YE, Hengqing, HKD 465K, 2019-22.
- “Study on Resource Allocation and Operations Management in Sharing Economy Environment”. National Natural Science Foundation of China (Key Project, NSFC 71832011), Co-I, with LI, Gang, RMB 2.35M (HKD 2.7M), 2019-2023.
- “Information Asymmetry in Service Industries: Market Efficiency and Policy Implications”. National Natural Science Foundation of China (NSFC 71772157), PI, RMB 480K (HKD 550K), 2018-2021.
- “Omni-channel – The Next Wave of Supply Chain Evolution”, General Research Fund (GRF PolyU 155012/17B) by Hong Kong Government Research Grants Council, PI, HKD 373K, 2017-20. Completed.
- “Integrating Collaborative Consumption Channel with Intermediary Selling Channel”, Joint supervision scheme with the Chinese Mainland, Taiwan and Macao Universities. Co-supervisor for Xi’an Jiao Tong University, HKD 181K, 2018-19. Completed.
- “Outsourcing Component Manufacturing – Managing Decision Sequencing, Supplier Competition and Benefit Sharing”, General Research Fund (GRF PolyU5433/11H) by Hong Kong Government Research Grants Council, PI, HKD 450K, 2012-15. Completed.
- “Regional Container Cargo Equilibrium Analysis and Forecasting: How Hong Kong Prospers with a sub 40% Market Share”, UGC Matching Grant, Co-I, with LUO, Meifeng, Yip, TL and FU, Xiaowen, HKD 12M, 2008-13, Completed.

## Supervisions

WU, Xiaokai, Postdoctoral Fellow, February 2018 – June 2021

Project: Analysis of credence goods market

Current Position: Wilfrid Laurier University, Waterloo, Ontario, Canada

HAO, Zhongyuan. PhD. Aug 2013 – Oct 2016 (Chief supervisor)

Thesis: *On the Value of Information Sharing*

Current position: Assistant Professor, Dongbei University of Finance and Economics, Dalian, China

WU, Jonathan Zhongsheng. DMgt, Nov 2013 – Dec 2015 (Chief supervisor)

Thesis: *The Sustainability Study of Supply Chain Strategy and Supply Chain System Design*

Current position: Vice President, Nokia-Bell-Lucent Shanghai, China

LI, Li. MPhil. Sep 2007 – Jan 2010 (Chief supervisor, with co-supervisor Prof LIU, Liming)

Thesis: *Joint Price and Service Competitions Facing Pragmatic Customers*

Second Prize: Student Paper Competition at POMS 2012 Hong Kong, with paper titled “*Proactive Transshipment Coupled with Postponed Price Commitment Does More Than Stock Rebalancing*”

Current position: Associate Professor, Sun Yat-Sen University, Guangzhou, China

## Subjects Taught

**At Hong Kong Polytechnic University** (Average SFQ: 4.7/5.0)

LGT 2106: *Principles of Operations Management* (BBA Core)

LGT 3105: *Operations Management* (BBA Core)

LGT 4208: *Capstone Project* (BBA core)

LGT 5105: *Managing Operations Systems* (MBA Core)

LGT 5106/5116/5126: *Operations Management* (MBA/CMBA Core)

LGT 5215: *Global Supply Chain Management* (MSC supervision)

LGT 5931/5932: *Investigative Study* (MBA supervision)

LGT 6004: *Strategic Supply Chain and Logistics Management* (DBA/DMgt Elective) [First offered in 2014; revamped in 2021]

FB 6006/LGT 6006: *Statistics and Game Theoretical Methods in Business Studies* (PhD Core/Elective) [First offered in 2008; revamped in 2021]

LGT 6201: *Optimization Models and Methodologies* (PhD Core/Elective) [First offered in 2010; revamped in 2020]

## At collaborating universities in the Chinese mainland

Postgraduate subject (36-hr): *Game Theoretical Applications in Operations and Supply Chain Management* [First offered in 2013; revamped in 2016]

Postgraduate subject (24-hr): *Competitor Cooperation: Theories and Applications* [First offered in 2016]

## Professional Services

Reviewer, Management Science Area, National Natural Science Foundation of China

Editorial Board/Reviewer: *Management Science, Manufacturing & Service Operations Management, Production and Operations Management, Operations Research, Naval Research Logistics, European Journal of Operations Research, Journal of the Operational Research Society*

Judge, Best-paper competition at CSAMSE Annual Meeting

Member, Conference Organizing Committee, 2016, POMS Hong Kong Annual Meeting

Session Chair, INFORMS Annual Meetings

Member – Institute for Operations Research and Management Science (INFORMS)

Member – Manufacturing & Service Operations Management Society (MSOM)

Member – Production and Operations Management Society (POMS)

### **University and Faculty Services**

Faculty of Business Board, 2017 – 2021

Faculty Management Committee (FMC), 2013 – 2016

Director, Management-related Programs Offered in Mainland China, 2013 – 2015; 2017 – 2020

Deputy Director, MBA Program, Faculty of Business, 2013 – 2015

Deputy Director, MBA Program offered in Shenzhen, Faculty of Business, 2014 – 2015

MBA/CMBA Committee, Faculty of Business, 2010 – 2020

DBA/DMgt Committee, Faculty of Business, 2017 – 2021

Review Panel for staff promotion, 2013 – 2017

Recruitment Committee for Chair Professor, 2013 – 2015

Department Staffing Committee (DSC), 2008 – 12

Department Research Committee (DRC), 2009 – 12

Department research seminar organizer, 2008 – 10

CIEET fairs and JEE seminars in Mainland China, 2008 – 2012, 2020

### **Honors, Awards and Recognitions**

Awardee, National Scholars Program, 2020, Ministry of Education, China

Lotus Scholar, 2019, Education Department, Hunan Province, China

Top downloaded article, 2019, Naval Research Logistics

Recognition for outstanding scholarly contributions, 2018, European Association of Operational Research

Reviewer/Service Recognitions by Manufacturing & Service Operations Management, Naval Research Logistics, European Journal of Operational Research, Transportation Research Part E

Awards received from The Hong Kong Polytechnic University

Fellow, Faculty of Business, 2012, 2017

Faculty Award/Prize for Outstanding Performance in Research and Scholarly Activities, 2009, 2016

Faculty Award/Prize for Outstanding Performance in Teaching, 2013

Performance Reward, 2008 – 2013