

# Yulan Amanda Wang

Department of Logistics and Maritime Studies  
Faculty of Business, the Hong Kong Polytechnic University  
Phone: 2766-4683  
Email : [yulan.wang@polyu.edu.hk](mailto:yulan.wang@polyu.edu.hk)

## EDUCATION

- Ph.D. in Business Administration, Duke University, Durham, NC, U.S.A, 2006
- M.S.& B.S., Shanghai Jiao Tong University, China

## ACADEMIC POSITION

### **The Hong Kong Polytechnic University, Hong Kong, 2008-Present**

Professor, Department of Logistics and Maritime Studies, 2020-

### **University of Michigan-Dearborn, Michigan, USA, 2006-2008**

Assistant Professor of Operations Management, School of Management, 2006-2008

## RESEARCH INTERESTS

- Supply chain management
- Operations-marketing and operations-IS interface
- Socially responsible and sustainable operations
- Behavioral operations and strategic customer behavior

## PUBLICATIONS

- P1. Y. Tang, P. Guo, C. Tang, and Y. Wang. Gender-Based Operational Issues Arising from On-Demand Ride-Hailing Platforms: Safety Concerns and Operational System Configuration. *Production and Operations Management*, Accepted.
- P2. B. Liu, X. Guan and Y. Wang. Supplier Encroachment with Multiple Retailers. 2021. *Production and Operations Management*, Accepted.
- P3. Z. Yi, Y. Wang and Y. Chen. Financing an Agricultural Supply Chain with a Capital-Constrained Smallholder Farmer in Developing Economies. *Production and Operations Management*, <https://doi.org/10.1111/poms.13357>.
- P4. Y. Wang, B. Niu, P. Guo and J. Song. Direct Sourcing or Agent Sourcing? Contract Negotiation in Procurement Outsourcing. *Manufacturing & Service Operations Management*, 23(2), 294–310, 2021.
- P5. Q. Li, Guo, P., and Y. Wang. Equilibrium Analysis of Unobservable M/M/n Priority Queues with Balking and Homogeneous Customers. *Operations Research Letters*, 48(5), 674-681, 2020.
- P6. X. Guan, Y. Wang, Z. Yi and Y. Chen. Inducing Consumer Online Reviews via Disclosure. *Production and Operations Management*, 29(8), 1956-1971, 2020.
- P7. Guo, F. Liu and Y. Wang. Pre-positioning and Deployment of Reserved Inventories in a Supply Network: Structural Properties. *Production and Operations Management*, 29(4), 893-906, 2020.

- P8. F. Huang, P. Guo and Y. Wang. Cyclic Pricing When Customers Queue with Rating Information. *Production and Operations Management*, 28, 2471-2485, 2019.
- P9. P. Guo, C. Tang, Y. Wang and M. Zhao. The Impact of Reimbursement Policy on Social Welfare, Revisit Rate and Waiting Time in a Public Healthcare System: Fee-for-Service vs. Bundled Payment. *Manufacturing & Service Operations Management*, 21, 154-170, 2019.
- P10. T. Choi, S. Wallace and Y. Wang. Big Data Analytics in Operations Management. *Production and Operations Management*, 27, 1868-1883, 2018.
- P11. Z. Yi, Y. Wang, Y. Liu and Y. Chen. The Impact of Consumer Fairness Seeking on Distribution Channel Selection: Direct Selling vs. Agent Selling. *Production and Operations Management*, 27, 1148-1167, 2018.
- P12. L. Yang, P. Guo and Y. Wang. Service Pricing with Loss-Averse Customers. *Operations Research*, 66, 761-777, 2018.
- P13. Y. Tang, P. Guo and Y. Wang. Equilibrium Queueing Strategies of Two Types of Customers in a Two-Server Queue. *Operations Research Letters*, 46, 99-102, 2018.
- P14. R. Chen, T. Cheng, T. Choi and Y. Wang. Novel Advances in Applications of the Newsvendor Model. *Decision Sciences*, 47, 8–10, 2016.
- P15. T. Choi, S. Wallace and Y. Wang. Risk Management and Coordination in Service Supply Chains: Information, Logistics and Outsourcing. *Journal of the Operational Research Society*, 67, 159–164, 2016.
- P16. M. Zhao, Y. Wang and X. Gan. Signalling Effect of Daily Deal Promotion for a Start-up Service Provider. *Journal of the Operational Research Society*, 67, 280-293, 2016
- P17. K. Li, Y. Wang, O. Tang and J. Min. Disclosure in Insurance Law: A Comparative Analysis. *European Journal of Law and Economics*, 41, 349-369, 2016.
- P18. Y. Wang, S. Wallace, B. Shen and T. Choi. Service Supply Chain Management: A Review of Operational Models. *European Journal of Operational Research*, 247, 3, 685–698, 2015.
- P19. C. Tang, Y. Wang and M. Zhao. The Implications of Utilizing Market Information and Adopting Agricultural Advice for Farmers in Developing Economies. *Production and Operations Management*, 24, 8, 1197-1215, 2015.
- P20. B. Niu, Y. Wang and P. Guo. Equilibrium Pricing Sequence in a Co-Opetitive Supply Chain with the ODM as a Downstream Rival of Its OEM, *Omega*, 57, 249-270, 2015.
- P21. P. Chow, Y. Wang, T. Choi, and B. Shen. An Experimental Study on the Effects of Minimum Profit Share on Supply Chains with Markdown Contract: Risk and Profit Analysis. *Omega*, 57, 85-97, 2015.
- P22. Y. Wang, B. Niu and P. Guo. The Comparison of Two Vertical Outsourcing Structures under Push and Pull Contracts. *Production and Operations Management*, 23, 4, 610–625, 2014.
- P23. P. Guo, M. Leng, and Y. Wang. A Fair Staff Allocation Rule for the Capacity Pooling of Multiple Call Centers. *Operations Research letters*, 41, 5, 490–493, 2013.
- P24. B. Shen, T. Choi, Y. Wang and C. Lo. The Coordination of Fashion Supply Chains with a Risk Averse Supplier under Markdown Money Policy. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, 43, 266-276, 2013.

- P25. Y. Wang, B. Niu and P. Guo. On the Advantage of Quantity Leadership when Outsourcing Production to a Competitive Contract Manufacturer. *Production and Operations Management*, 22, 1, 104–119, 2013.
- P26. H. Guo, M. Leng, and Y. Wang. Interchange Fee Rate, Merchant Discount Rate and Retail Prices in a Credit Card Network: A Game-Theoretic Analysis. *Naval Research Logistics*, 59, 7, 525-551, 2012
- P27. B. Shen, Y. Wang, C. Lo and M. Shum. The Impact of Ethical Fashion on Consumer Purchase Behavior. *Journal of Fashion Marketing and Management*, 16, 234 – 245, 2012.
- P28. F. Bernstein, G. DeCroix and Y. Wang. The Impact of Demand Aggregation through Delayed Component Allocation in an Assemble-to-Order System. *Management Science*, 57, 6, 1154-1171, 2011.
- P29. P. Guo, Z. Lian and Y. Wang. Pricing Perishable Products with Compound Poisson Demand. *Probability in the Engineering and Informational Sciences*, 25, 289-306, 2011
- P30. P. Guo, W. Sun and Y. Wang. Equilibrium and Optimal Strategies to Join a Queue with Partial Information on Service Times, *European Journal of Operational Research*, 214, 2, 284-297, 2011.
- P31. M. Khouja and Y. Wang. The Impact of Digital Channel Distribution on the Experience Goods Industry. *European Journal of Operational Research*, 207, 481-491, 2010.
- P32. P. Guo, J. Song and Y. Wang. Outsourcing Structures and Information Flow in a Three – Tier Supply Chain. *International Journal of Production Economics*, 128, 1, 175-187, 2010.
- P33. Y. Wang and P. Zipkin. Agents’ Incentives under Buy-Back Contract in a Two-Stage Supply Chain. *International Journal of Production Economics*, 120, 2, 525-539, 2009.
- P34. K. Li, Y. Wang and J. Min. Quantitative Analysis of Materiality in Marine Insurance. *Maritime Policy & Management*, 36, 5, 437-455, 2009.
- P35. P. Guo, J. Liu and Y. Wang. Intertemporal Service Pricing with Strategic Customers. *Operations Research Letters*, 37, 6, 420-424, 2009.
- P36. F. Bernstein, G. DeCroix and Y. Wang. Incentives and Commonality in a Decentralized Multi-Product Assembly System. *Operations Research*, 55, 4, 630-646, 2007.

## HONG KONG RGC RESEARCH GRANTS

1. **Principal Investigator.** Project Title: Exclusion or Inclusion? When a Critical Component Supplier Meets a Manufacturer with Component-Making Ability
2. **Principal Investigator.** Project Title: The Impact of Ex Post Quality Heterogeneity and Customer Fairness Concern on Dual Sourcing Strategy
3. **Principal Investigator.** Project Title: Customer Heterogeneity, Service Differentiation and Operational Policy Design of the On-Demand Platforms in the Sharing Economy
4. **Principal Investigator.** Project Title: Firms’ Quality-Information Disclosure Strategies under Market Competition in an Information Age with Loss-Averse Consumers.
5. **Principal Investigator.** Project Title: Should Governments Provide Market Price Information or Subsidies to Farmers in Developing Economies? The Impact on Farmers' Welfare, Consumer Surplus, and Market Price Stability.

6. **Principal Investigator.** Project Title: Deployment of Emergency Supply Inventory with a Humanitarian Relief Objective.
7. **Principal Investigator.** Project Title: Outsourcing, bargaining and capacity decisions in a multi-tier supply chain.
8. **Principal Investigator.** Project Title: Study on the market leadership between an original equipment manufacturer and its competitive contract manufacturer.

## HONORS AND AWARDS

- **2020 China Information Economics Outstanding Output Award (Information Management)**, administered by China Information Economics Society, (中国信息经济学2020优秀成果奖(信息管理组), 中国信息经济学会), 2020, for the paper “Direct Sourcing or Agent Sourcing? Contract Negotiation in Procurement Outsourcing published on *Manufacturing & Service Operations Management*”
- **Second Prize, 2020 Higher Education Outstanding Scientific Research Output Awards (Humanities and Social Sciences)**, administered by the Ministry of Education of China (中国教育部第八届高等学校科学研究优秀成果奖(人文社会科学) 著作论文奖二等奖), 2020, for the paper “The comparison of two vertical outsourcing structures under push and pull contract published on *Production and Operations Management*, 23, 4, 610–625, 2014”
- **First Prize**, The 11th POMS-HK (2020) International Conference Best Student Paper Competition. Paper Title: Gender-Based Operational Issues Arising from On-Demand Ride-Hailing Platforms: Safety Concerns and System Configuration. Supervised Student: Yanli Tang
- **PBS Fellow Award**, Faculty of Business, the Hong Kong Polytechnic University, 2018/2019
- **Third Prize**, 2019 POMS International Conference in China Best Student Paper Competition. Paper Title: Gender-Based Operational Issues Arising from On-Demand Ride-Hailing Platforms: Safety Concerns, Service Systems, and Pricing and Wage Policy. Supervised Student: Yanli Tang
- **Faculty Prize (Research and Scholarly Activities)**, Faculty of Business, the Hong Kong Polytechnic University, 2017/2018
- **Honorable Mention**, 2018 CSAMSE/Columbia China Business Initiative Best Paper Award. Paper Title: “The Impact of Input-vs. Output-based Farm Subsidies on Farmer Welfare and Income Inequality in Developing Economies”
- **Reward for Excellence**, 2018 Supply Chain and Internet Finance Annual Forum, Dalian, China
- **Second Prize**, the 201716th China Society of Logistics Annual Meeting Best Paper Award. Paper Title: “The Impact of Consumer Fairness Seeking on Distribution Channel Selection: Direct Selling vs. Agent Selling”
- **FB Fellow Award**, Faculty of Business, The Hong Kong Polytechnic University, 2015/2016
- **Honorable Mention**, 2016 CSAMSE/Columbia China Business Initiative Best Paper Award. Paper Title: “Fee-For-Service vs Bundled Payment: A Comparison from Aspects of Congestion and Service Quality”

- **Best Paper Award**, the 12th International Conference on Service Systems and Service Management (ICSSSM 2015), Paper Title: “Service and Price Competition in a Variety Seeking Market”
- **Second Prize**, 2011 Second POMS-HK International Conference Best Student Paper Competition. Paper Title: “Comparison of Two Vertical Outsourcing Structures under Push, Pull and Two-wholesale-Price Contracts”. Supervised Student: Baozhuang Niu
- **Second Prize**, 2011 Second POMS-HK International Conference Best Student Paper Competition. Paper Title: “Interchange Fee Rate, Merchant Discount Rate and Retail Prices in a Credit Card Network: A Game-Theoretic Analysis”. Supervised Student: Hangfei Guo
- **Honorable Mention**, 2009 CSAMSE/Columbia China Business Initiative Best Paper Award. Paper Title: “Two-Wholesale-Price Contracts in a Three-Tier Supply Chain”
- **Grant Recipient**, CIBER Doctoral Consortium on International Operations Management, Purdue University, 2002
- **Ph.D. Fellowship**, Duke University, 2000-2005

## DOCTORAL SUPERVISION

**Yanli Tang** (Chief-supervisor), Ph.D, the Hong Kong Polytechnic University, 2020  
First Placement: **Sun Yat-sen University, China**

**Fengfeng Huang** (Co-supervisor), Ph.D, Hong Kong Polytechnic University, 2018  
First Placement: **University of Electronic Science and Technology of China, China**

**Ming Zhao** (Chief-supervisor), Ph.D, Hong Kong Polytechnic University, 2015  
First Placement: **Southwest Jiao Tong University, China**

**Bin Shen** (Co-supervisor), Ph.D, Hong Kong Polytechnic University, 2013  
First Placement: **Donghua University, China**

**Baozhuang Niu** (Co-supervisor), Ph.D, Hong Kong Polytechnic University, 2011  
First Placement: **Sun Yat-sen University, China**

**Jie Min** (Co-supervisor), Ph.D, Hong Kong Polytechnic University, 2010  
First Placement: **Sinotranship Corp**

## ACADEMIC SERVICES

### Editorship and Reviewer for Academic Journals, Books and Grants

- **Senior Editor**, Production and Operations Management
- **Associate Editor**, Decision Sciences
- **Associate Editor**, Omega- The International Journal of Management Science
- **Editorial Advisory Board Member**, Transportation Research - Part E (TRE)
- **Editorial Review Board Member**, Production and Operations Management
- **Guest Editor**, *Transportation Research - Part E*, focused issue on “Logistics and Supply Chain Management in an Era of Circular Economy”, 2020-2021
- **Guest Editor**, *Journal of the Operational Research Society*, focused issue on “Risk management and coordination in service supply chains: information, logistics and outsourcing”, 2013-2016

- **Guest Editor**, *Decision Sciences Journal*, focused issue on “Advances in Applications of the Newsvendor Model”, 2013-2015
- **Committee Member**, 2017 Best Paper in Omega in the SCM/Analytics Area
- **Reviewer** for the Multi-Year Research Grant (MYRG) of University of Macau, 2018
- **Reviewer** for the Fonds de Recherche du Québec - Société et culture (FQRSC), Québec, Canada, 2013
- **Reviewer** for the Israel Science Foundation, 2014
- **Reviewer** for Hong Kong Research Grant Council, 2014
- **Reviewer** for *Management Science, Manufacturing & Service Operations Management, Production and Operations Management, INFORMS Journal on Computing, Naval Research Logistics, Decision Sciences, International Journal of Production Economics, European Journal of Operations Research, Journal of the Operational Research Society, International Journal of Inventory Research, Maritime Policy and Management...*
- **Reviewer** for Innovative Quick Response Programs in Logistics and Supply Chain Management, Springer’s International Handbooks on Information Systems Series
- **Reviewer** for *Stochastic Simulation: Algorithms and Analysis* by Asmussen, Soren and Peter W. Glynn, Springer, New York. 476 pp. Published in *Interfaces*, Vol. 6, 487-488, 2008.

#### **Conference Committee, Judge, Organizer and Chair**

- Program Committee Member and Best Student Paper Judge, the 11th POMS-HK International Conferences, University of Hong Kong, Jan. 2020
- Emerging OM Issues Track Chair, Best Student Paper Competition Judge and International Program Committee Member, 2019 POMS International Conference in China, Tianjin, June 2019
- Supply Chain Risk Management Track Chair, the 30th POMS Annual Conference, Washington D.C, 2019
- Program Committee Member, Best Student Paper Judge and Session Organizer/Chair, the Tenth POMS-HK International Conferences, City University of Hong Kong, 2019
- Organizer and Session Chair, the 29th POMS Annual Conference, Houston 2018
- Session Chair, INFORMS 2018 International Conference, Taipei, 2018
- Session Chair, the 2018 CSAMSE Annual Conference, Ningbo, 2018
- Organizing Committee Member, the Ninth POMS-HK International Conferences, Chinese University of Hong Kong, 2018
- Committee Member, Symposium on Innovations and Sustainability, HKUST, Aug. 2017
- Best Student Paper Judge and Organization Committee Member, the Eighth POMS-HK International Conference, HKUST, 2017
- Program Committee Chair and Best Student Paper Competition Committee Chair, the 7<sup>th</sup> POMS-HK International Conferences, Macau, 2016
- Organizer and Session Chair, the 26th POMS Annual Conference, Washington DC, 2015
- Organizer and Session Chair, INFORMS San Francisco, 2014

- Organizer and Session Chair, POMS International Conference, Singapore, 2014
- Session Chair, ICOSCM 2013, Shanghai, 2013
- Organizer and Session Chair, the 24th POMS Annual Conference, Denver 2013
- Session Chair: the 3rd and 4th POMS-HK International Conferences, Hong Kong, 2012, 2013
- Session Chair: the 22nd POMS Annual Conference, Reno, 2011

**PhD Dissertation Panel Member**

- Yi Li, City University of Hong Kong, PhD, 2021
  - Zhennan Yuan, City University of Hong Kong, PhD, 2020
  - Board of Examiner Chair: Wenjuan Yang, Ph.D defense, HK PolyU, 2020
  - Lan Lu, Hong Kong University of Science and Technology, PhD, 2019
  - Lynne Sprugel, City University of Hong Kong, DBA, 2019
  - Zhou Chen, Hong Kong University of Science and Technology, PhD, 2018
  - Kunbao Jia, City University of Hong Kong, PhD, 2018
  - Lu Wang, University of Toronto, PhD, 2017
  - Zhong Chen, Chinese University of Hong Kong, PhD, 2017
  - Ye Liu, Lingnan University, MPhil, 2017
  - Board of Examiner Chair: Peng Liao, Ph.D defense, HK PolyU, 2016
  - Hangfei Guo, Lingnan University, MPhil, 2011
- Placement: DeGroote School of Business, McMaster University, Ph. D candidate.