

Shining Wu

Department of Logistics and Maritime Studies
The Hong Kong Polytechnic University
Hung Hom, Kowloon, Hong Kong
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EDUCATION

- 2014 **The Hong Kong University of Science and Technology**, Hong Kong
Ph.D. in Industrial Engineering and Logistics Management
Dissertation: Essays on Strategic Consumers with Reference Effects and
Spectrum Sharing Networks
- 2009 **Peking University**, Beijing, China
B.S. in Statistics

ACADEMIC EXPERIENCE

Department of Logistics and Maritime Studies, The Hong Kong Polytechnic University,
Hong Kong

Assistant Professor

Sep. 2015 – present

Department of Industrial Engineering and Logistics Management, The Hong Kong Uni-
versity of Science and Technology, Hong Kong

Postdoctoral Fellow

Sep. 2014 – Sep. 2015

RESEARCH INTERESTS

- Operations Management: supply chain management, dynamic pricing, inventory control, strate-
gic consumer behavior
- Operations Research: queueing theory and its applications, operational issues in spectrum shar-
ing, data-driven optimization for queueing systems

PUBLICATIONS

- [1] Wu, S., Q. Liu, and R. Q. Zhang (2015). The reference effects on a retailer's dynamic pricing
and inventory strategies with strategic consumers. *Operations Research* 63(6), 1320–1335
- [2] Wu, S., J. Zhang, and R. Q. Zhang (2017). Management of a shared spectrum network in
wireless communications. To appear in *Operations Research*.

WORKING PAPERS

- [1] Wu, S. (2017). Capacity provisioning of queueing systems with impatient customers: A data-
driven approach.
- [2] Wu, S., J. Zhang, and R. Q. Zhang (2015b). Performance analysis of a shared spectrum network
under quality-and-efficiency-driven limiting regime.
- [3] Wu, S., J. Zhang, and R. Q. Zhang (2015a). Capacity provisioning for an online service provider
with heterogeneous users.

PRESENTATIONS

- [1] “Management of a Shared Spectrum Network in Wireless Communications - A Queueing Approach” at INFORMS Applied Probability Society Conference 2017 (APS), Evanston, IL, USA, Jul. 2017.
- [2] “Management of a Shared Spectrum Network in Wireless Communications - A Queueing Approach” at INFORMS 2016 International Conference, Hawaii, USA, Jun. 2016.
- [3] “The Reference Effects on a Retailer’s Dynamic Pricing and Inventory Strategies with Strategic Consumers” at INFORMS 2016 International Conference, Hawaii, USA, Jun. 2016.
- [4] “Management of a Shared Spectrum Network” at The Seventh POMS-HK International Conference, Macau, Jan. 2016.
- [5] “The Reference Effects on a Retailer’s Dynamic Pricing and Inventory Strategies with Strategic Consumers” at The Hong Kong Polytechnic University, Hong Kong, Jun. 2015.
- [6] “The Reference Effects on a Retailers Dynamic Pricing and Inventory Strategies with Strategic Consumers” at Zhejiang University, Hangzhou, China, Apr. 2015.
- [7] “The Reference Effects on a Retailer’s Dynamic Pricing and Inventory Strategies with Strategic Consumers” at The Fifth POMS-HK International Conference, Hong Kong, Jan. 2014.
- [8] “Dynamic Pricing and Inventory Control in the Presence of Strategic Consumers with Reference Effects” at INFORMS Annual Meeting 2012 Phoenix, USA, Oct. 2012.
- [9] “Dynamic Pricing and Inventory Control in the Presence of Strategic Consumers with Reference Effects” at INFORMS 2012 International Beijing, China, Jun. 2012.
- [10] “Dynamic Pricing and Inventory Control in the Presence of Strategic Consumers with Reference Effects” at The Third POMS-HK International Conference, Hong Kong, Jan. 2012.

RESEARCH GRANTS

- Research Grants Council Grant No. 25504517, 2018-2020, “A Data-Driven Approach for the Capacity Provisioning of Queueing Systems with Incomplete System Information”, HK\$580,000, PI
- National Natural Science Foundation of China No. 71602142, 2017-2019, “Optimal Government Supporting Policy Design to Promote New Energy Vehicles: based on Tripartite Game Among Firm, Consumers and Government”, ¥170,000, Co-Investigator (PI: Guangrui Ma)
- National Natural Science Foundation of China No. 71301032, 2014-2016, “The Impact and Preventive Strategies of Deceptive Counterfeits in a Supply Chain with Multiple Channels”, ¥205,000, Co-Investigator (PI: Jie Zhang)

SERVICE

Elected Member: Board of Faculty of Business, PolyU, Sep. 2017 – present

Organizing Committee Member: The Ninth POMS-HK International Conference, Hong Kong, January 2018

Organizing Committee Member: The Eighth POMS-HK International Conference, Hong Kong, January 2017

Co-Chair: Contributed Sessions for INFORMS International Conference, Hawaii, June 2016

AWARDS AND HONORS

Honorable Mention, Best Student Paper Competition at The Fifth POMS-HK International Conference, January 2014

IIE (HK) Scholarship, Institute of Industrial Engineers (Hong Kong), 2011 – 2012

COURSES TAUGHT

– LGT2106: Principles of Operations Management (2015/16 Sem 2, 2016/17 Sem 1, 2017/18 Sem 1 & 2)