

Guang Xiao

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The Hong Kong Polytechnic University
Hung Hom, Kowloon, Hong Kong
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- EDUCATION** **Olin Business School, Washington University in St. Louis** *08/2016*
– Ph.D. in Business Administration (Operations Management)
– M.S. in Business Administration
– Advisors: Panos Kouvelis and Lingxiu Dong
- University of Delaware** *05/2010*
– M.S. in Operations Research
– Advisor: Rhonda Aull-Hyde
- Peking University (China)** *07/2008*
– B.S. in Applied Mathematics
– B.S. in Philosophy (double major)
- CAREER HISTORY** **Department of Logistics and Maritime Studies, The Hong Kong Polytechnic University**
– Assistant Professor *09/2016–Present*
- RESEARCH INTERESTS** **Methodology:** Stochastic Process, Dynamic Programming, Game Theory, Optimization
- Application:** Supply Chain Risk Management, Joint Pricing and Inventory Management, Incentive and Contracts, Procurement and Outsourcing, Sustainable/Socially Responsible Operations, Interface of Operations and Finance.
- PUBLICATION** Xiao G., Yang N., Zhang R. (2015), Dynamic Pricing and Inventory Management under Fluctuating Procurement Costs, *Manufacturing & Service Operations Management* **17**(3):321-334.
- Kouvelis P., Xiao G., Yang N. (2018), On the Properties of Yield Distributions in Random Yield Problems: Conditions, Class of Distributions and Relevant Applications, *Production and Operations Management*, Accepted.
- PAPERS UNDER REVISION** Kouvelis P., Xiao G. (2016), Study of Hybrid (Push-Pull) Wholesale Price Contracts in Random Yield Supply Chains, under a major revision.
- Guo X., Xiao G., Zhang F. (2017), Effect of Consumer Awareness on Corporate Social Responsibility under Asymmetric Information, under a major revision.

Dong L., Xiao G., Yang N. (2016), Supply Diversification under Random Yield: The Impact of Price Postponement.

Dong L., Xiao G., Yang N. (2017), Procurement Strategies with Two Unreliable Suppliers under Correlated Random Yields.

Hu Q., Kouvelis P., Xiao G. (2017), Horizontal Outsourcing and Price Competition: The Impact of Sole Sourcing Commitment.

**SELECTED
WORK IN
PROGRESS**

Xiao G., Yu Y., Zhang F. (2017), Impact of Capacity Constraint and Consumer Heterogeneity on Service (Product) Differentiation, to be submitted.

Xiao G., Yang N. (2017), Impact of Price Postponement under Risk Aversion and Supply Random Yield, to be submitted.

Geng X., Guo X., Xiao G. (2017), Product Differentiation in Duopoly Competition with Network Effect, to be submitted.

Xu F., Guo X., Xiao G., Zhang F. (2018), Crowdfunding under Word-of-Mouth Communication.

Turcic D., Kouvelis P., Xiao G. (2016), Make-to-Stock vs. Make-to-Order: When Firms Compete under Fluctuating Input Costs.

Li J., Kouvelis P., Xiao G. (2016), Transfer Pricing and Yield Risk-Sharing Contracts for Cotton Supply Chain.

**CONFERENCE
TALKS**

Supply Diversification under Correlated Random Yields

- POMS HK, HKUST 01/2017

Supplier Diversification under Price Dependent Demand and Random Yield

- POMS Annual Meeting, Orlando 05/2016
- INFORMS Annual Meeting, Philadelphia 11/2015
- MSOM Annual Meeting, Toronto 06/2015
- POMS Annual Meeting, Atlanta 05/2014

Push vs. Pull: How to Best Allocate Supply Risk in Random Yield Supply Chains

- POMS HK, HKUST 01/2017
- INFORMS Annual Meeting, Nashville 11/2016
- DSI Annual Meeting, Seattle 11/2015
- INFORMS Annual Meeting, Philadelphia 11/2015
- OM workshop, Antai Business School, Shanghai Jiaotong University 07/2015

Make-to-Stock vs. Make-to-Buy: When Firms Compete under Fluctuating Input Costs

- MSOM Annual Meeting, Seattle 06/2014

TEACHING

- LGT5015: Supply Chain Management (MSc Core): Spring 2017 (4.6/5), Spring 2018 (Scheduled)

SERVICE

Ad-Hoc Reviewer: Manufacturing and Service Operations Management, Production and Operations Management, Operations Research Letter, Omega: International Journal of Management Science.

Session Chair: POMS (2018), INFORMS International Conference (2018)