

Xiaobei Shen (沈晓蓓)

School of Management
University of Science and Technology of China
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Work Experience

University of Science and Technology of China

School of Management	Associate Professor	2019.01~present
	Assistant Professor	2016.07~2018.12

City University of Hong Kong

College of Business	Research Fellow	2014.08~2016.06
College of Engineering	Research Fellow	2013.08~2014.07

Education

Hong Kong University of Science and Technology, Hong Kong SAR

Ph.D. in Industrial Engineering	Department of IEDA	2009~2013
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Shanghai JiaoTong University, China

B.E. in Mechanical Engineering	School of Mechanical Engineering	2005~2009
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Research Interests

Supply Chain and Inventory Management, Dynamic Pricing, Dynamic Programming

Teaching Experience

Instructor	Operations Management, IMBA, USTC	Since 2018
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Publications

- **Xiaobei Shen**, Yimin Yu. Capacity allocation with multiple suppliers and multiple demand classes. *Production and Operations Management*, Forthcoming.
- **Xiaobei Shen**, Lina Bao, Yimin Yu, Zhongsheng Hua. Managing supply chains with expediting and multiple demand classes. *Production and Operations Management*, 2019, 28(5), 1129-1148.
- **Xiaobei Shen**, Lina Bao, Yimin Yu. Coordinating inventory and pricing decisions with general price-dependent demands. *Production and Operations Management*, 2018, 27(7), 1355-1367.
- **Xiaobei Shen**, Zoie Shui-Yee Wong, Man Ho Ling, David Goldsman, Kwok-Leung Tsui. Comparison of algorithms to simulate disease transmission. *Journal of Simulation*, 2017, 11(3), 285-294.
- **Xiaobei Shen**, Kwok-Leung Tsui, William H. Woodall, Changliang Zou. Self-starting monitoring scheme for Poisson count data with varying population sizes. *Technometrics*, 2016, 58(4), 460-471.
- **Xiaobei Shen**, Fugee Tsung, Changliang Zou. A new multivariate EWMA scheme for monitoring covariance matrices. *International Journal of Production Research*, 2014, 52(10), 2834-2850.
- **Xiaobei Shen**, Fugee Tsung, Changliang Zou, Wei Jiang. Monitoring Poisson count data with

probability control limits when sample sizes are time-varying. *Naval Research Logistics*, 2013, 60(8), 625-636.

Research Grants

- National Natural Science Foundation of China (Youth 71701190), PI 2018-2020
Title: Inventory management for E-commerce supply chains with service guarantees, RMB190,000
- University Start-up Funding, PI, RMB300,000 2019-2021
- Department Start-up Funding, PI, RMB200,000 2016-2019
- National Natural Science Foundation of China (Key 71731010), Co-I 2018-2022
Title: Social operations management: theory, method and application, RMB2,450,000

Social Duties

- **Review expert for NSFC(国家自然科学基金)**
Youth program 2018
General program 2019
- **Referee for academic journals**
Manufacturing & Service Operations Management since 2017
Naval Research Logistics since 2019
Operations Research Letters Since 2019
Asia-Pacific Journal of Operational Research since 2017
International Journal of Production Research since 2016
- **Session chair for conferences**
POMS Annual Conference 2018,2019
- **Member of a council**
Stochastic service and operations management (SSOM) branch, Operations Research Society of China (ORSC) 2019

Students Supervised

- Jiping Gao, PhD, USTC, joint supervised with Gongbing Bi
- Caiyuan Xiong, PhD, USTC, joint supervised with Yugang Yu
- Other research students collaborated:
Xu Tian, PhD, USTC

Updated on July 26 2019