

## **Xiaobei Shen (沈晓蓓)**

School of Management  
University of Science and Technology of China  
Email: [fayshen@ustc.edu.cn](mailto:fayshen@ustc.edu.cn)

### **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 |
|---------------------------------|--------------------|-----------|

#### **Shanghai JiaoTong University, China**

|                                |                                  |           |
|--------------------------------|----------------------------------|-----------|
| B.E. in Mechanical Engineering | School of Mechanical Engineering | 2005~2009 |
|--------------------------------|----------------------------------|-----------|

### **Research Interests**

Supply Chain and Inventory Management, Dynamic Pricing, Dynamic Programming

### **Teaching Experience**

|            |                                   |            |
|------------|-----------------------------------|------------|
| Instructor | Operations Management, IMBA, USTC | Since 2018 |
|------------|-----------------------------------|------------|

### **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  
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