ZILIANG JIN

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

E-mail: ziliang-lms.jin@connect.polyu.hk
Phone: +852-53186876
Web: https://ziliang-jin.github.io/

RESEARCH INTERESTS

- ***Methodologies:*** Robust and Data-Driven Optimization, Stochastic and Discrete Optimization, Machine Learning
- ***Applications:*** Smart City Operations, Power and Energy Systems, Shared Mobility

EDUCATION

Faculty of Business, **The Hong Kong Polytechnic University**, Hong Kong
Ph.D. Candidate (Hong Kong PhD Fellowship Scheme awardee), Aug 2020 – Present
- Advisor: Dr. Kai Pan

KTH Royal Institute of Technology, Stockholm, Sweden
M.Sc., Production Engineering and Management, Aug 2018 – Jul 2020

South China University of Technology, Guangzhou, China
B.S., Management Science, Aug 2014 – Jun 2018

WORKING EXPERIENCE

The Hong Kong Polytechnic University Mar 2018 – Jun 2018, Jun 2019 – Aug 2019
Research Assistant

RESEARCH PAPERS

Publications

[1] **Ziliang Jin**, Yulan Wang, Yun Fong Lim, Kai Pan, Zuo-Jun Max Shen. "Vehicle Rebalancing in A Shared Micromobility System with Rider Crowdsourcing," ***Manufacturing & Service Operations Management***, 25(4): 1394–1415, 2023. (UTD Top-24 Business Journal)

[2] Qian Lei, Juan He, Chao Ma, **Ziliang Jin**. "The Impact of Consumer Behavior on Preannounced Pricing for A Dual-Channel Supply Chain," *International Transactions in Operational Research*, 27(6): 2949–2975, 2020.

[3] **Ziliang Jin**, Kai Pan, Lei Fan, Tao Ding. "Data-Driven Look-Ahead Unit Commitment Considering Forbidden Zones and Dynamic Ramping Rates," *IEEE Transactions on Industrial Informatics*, 15(6): 3267–3276, 2019. (IF: 12.3, Flagship Journal of IEEE Industrial Electronics Society)

Under Review/Revision

[4] **Ziliang Jin**, Kai Pan, Zuo-Jun Max Shen, Wenxin Xu. "Integrated Vehicle Allocation and Relocation for Shared Micromobility under Competition and Demand Uncertainty," Under Second Review at ***Production and Operations Management***. (UTD Top-24 Business Journal)

INVITED TALKS

- "Data-Driven Operations for a Grid-Vehicle Integration System," 2023 INFORMS Annual Meeting, October 2023, Phoenix, United States
- "Vehicle Rebalancing in a Shared Micromobility System with Rider Crowdsourcing," The 15th International Annual Conference of the Chinese Scholars Association for Management Science and Engineering (CSAMSE), July 2023, Shenzhen, China

• "Vehicle Rebalancing in a Shared Micromobility System with Rider Crowdsourcing," 2023 POMS International Conference in China, July 2023, Hangzhou, China

• "Data-Driven Operations for a Smart Vehicle-Grid System," 2022 INFORMS Annual Meeting, October 2022, Indianapolis, United States

• "Capacity Sharing for Bicycle-Sharing Firms Under Demand Uncertainty," The 12th POMS-HK International Conference, January 2022, Hong Kong

• "Capacity Sharing Between Competing Bicycle-Sharing Firms," The 22nd Conference of the International Federation of Operational Research Societies (IFORS), August 2021, Seoul, South Korea

HONORS & AWARDS

• Hong Kong PhD Fellowship Scheme Awardee 2020

- The most competitive PhD scholarship in Hong Kong. Supported by Research Grants Council of Hong Kong.

• Outstanding Service, Production & Operations Management Society 2021

TEACHING EXPERIENCE

The Hong Kong Polytechnic University

Teaching Assistant:
1. LGT4017: Information Systems for Logistics Management, 2022 Spring

2. LGT4115: E-commerce and Logistics, 2022 Spring

3. LGT5113: Enterprise Resource Planning, 2022 Spring

PROFESSIONAL SERVICE

• Journal Reviewer: *IEEE Transactions on Sustainable Energy*, *RAIRO-Operations Research*

• Session Chair: 2022 INFORMS Annual Meeting

PROFESSIONAL MEMBERSHIP

INFORMS, POMS