

## ZILIANG JIN

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### RESEARCH INTERESTS

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

### EDUCATION

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**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

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<b>The Hong Kong Polytechnic University</b> Research Assistant	Mar 2018 – Jun 2018, Jun 2019 – Aug 2019
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### RESEARCH PAPERS

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#### 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,” Reject and Resubmit at *Production and Operations Management*. (UTD Top-24 Business Journal)

### INVITED TALKS

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- “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

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## 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

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## 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

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## PROFESSIONAL SERVICE

- Journal Reviewer: *IEEE Transactions on Sustainable Energy*, *RAIRO-Operations Research*
- Session Chair: 2022 INFORMS Annual Meeting

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## PROFESSIONAL MEMBERSHIP

INFORMS, POMS