

ZILIANG JIN

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RESEARCH INTERESTS

- **Methodologies:** Robust and Data-Driven Optimization, Stochastic and Discrete Optimization, Machine Learning
- **Applications:** Power System, Smart City Operations, 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

PUBLICATIONS

Ziliang Jin, Yulan Wang, Yun Fong Lim, Kai Pan and Zuo-Jun Max Shen. “Vehicle Rebalancing in A Shared Micromobility System with Rider Crowdsourcing,” *Manufacturing & Service Operations Management*, 25(4): 1394-1415, 2023.

Qian Lei, Juan He, Chao Ma and 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.

Ziliang Jin, Kai Pan, Lei Fan and 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.

Heng Yang, Ziliang Jin, Jianhua Wang, Yong Zhao, Hejia Wang and Weihua Xiao. “Data-Driven Stochastic Scheduling for Energy Integrated Systems,” *Energies*, 12(12): 2317, 2019.

PAPERS UNDER REVIEW/REVISION

“Integrated Vehicle Allocation and Relocation for Shared Micromobility under Competition and Demand Uncertainty” (with *Kai Pan*, *Zuo-Jun Max Shen*, and *Wenxin Xu*), under Reject and Resubmit at *Production and Operations Management*.

PROFESSIONAL SERVICE

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

PRESENTATIONS

- 2022 - 2023 INFORMS Annual Meeting, USA
- CSAMSE 2023, China
- POMS-HK 2022, Hong Kong
- IFORS 2021, South Korea

PROFESSIONAL MEMBERSHIP

INFORMS, POMS

EMPLOYMENT

The Hong Kong Polytechnic University
Research Assistant

Mar 2018 - Jun 2018, Jun 2019 - Aug 2019

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