

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*, forthcoming.

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*, 2020, 27(6): 2949-2975.

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*, vol. 15, no. 6, pp. 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, no. 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*.

WORKING PAPERS

“Data-driven Operations For A Smart Vehicle-grid System” (with *Kai Pan*, *Yulan Wang*, *Jianqiang Cheng*, and *Zuo-Jun Max Shen*), to be submitted to *Operations Research*.
- presented in INFORMS 2022 Annual Meeting, Indianapolis, USA.

“Distributionally Robust Optimization For Collaborative Vehicle-to-grid Operations” (with *Kai Pan*, *Jiushenzi Luo*), in preparation.

PROFESSIONAL SERVICE

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

PRESENTATIONS

1. 22nd Conference of the International Federation of Operational Research Societies (IFORS 2021), Seoul, South Korea, Aug 2021
2. 12th POMS-HK International Conference, Lingnan University, Hong Kong, Jan 2022
3. INFORMS 2022 Annual Meeting, Indianapolis, USA, Oct 2022

PROFESSIONAL MEMBERSHIP

INFORMS, POMS

EMPLOYMENT

The Hong Kong Polytechnic University Research Assistant	Mar 2018 - Jun 2018, Jun 2019 - Aug 2019
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HONORS & AWARDS

- Hong Kong PhD Fellowship Scheme Awardee 2020
- The most competitive PhD scholarship in Hong Kong. Supported by University Grants Committee, 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