

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	Mar 2018 - Jun 2018, Jun 2019 - Aug 2019
Research Assistant	

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