

Jinhao Li

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EDUCATION

University of Electronic Science and Technology of China (UESTC)	Chengdu, China
B.En. in Smart Grid Information Engineering; B.Sc. in Mathematics; GPA: 3.99/4.0	Sept. 2018 – Jun. 2022
Monash University	Melbourne, Australia
Doctor of Philosophy	– Present

RESEARCH INTERESTS

AI for Energy; Machine Learning and Data Analytics in Energy System.

AWARDS AND SCHOLARSHIPS

- China National Scholarship, 2018–2019.
- Enterprise Scholarship of Sekorm, 2019–2020.
- First-class Scholarship of UESTC, 2018–2021.

PUBLICATIONS

- [1] **Jinhao Li**, Changlong Wang, Yanru Zhang, and Hao Wang. Learn to bid: Deep reinforcement learning with transformer for energy storage bidding in energy and contingency reserve markets. In *NeurIPS 2022 Workshop on Tackling Climate Change with Machine Learning*, 2022.
- [2] Zhuo Wei, Frits de Nijs, **Jinhao Li**, and Hao Wang. Model-free approach to fair solar pv curtailment using reinforcement learning. In *Proceedings of the Fourteenth ACM International Conference on Future Energy Systems*, e-Energy '23, Orlando, FL, USA, 2023. Association for Computing Machinery.
- [3] **Jinhao Li**, Changlong Wang, and Hao Wang. Multi-agent deep reinforcement learning for solar-battery system to mitigate solar curtailment in real-time electricity market. In *ICLR 2023 Workshop on Tackling Climate Change with Machine Learning*, 2023.
- [4] **Jinhao Li**, Changlong Wang, and Hao Wang. Optimal energy storage scheduling for wind curtailment reduction and energy arbitrage: A deep reinforcement learning approach. In *2023 IEEE Power & Energy Society General Meeting (PESGM)*, 2023.
- [5] **(Under Revision) Jinhao Li**, Changlong Wang, and Hao Wang. Deep reinforcement learning for wind and energy storage coordination in wholesale energy and ancillary service markets. *Energy and AI*.
- [6] **(Under Revision) Jinhao Li**, Ruichang Zhang, Hao Wang, Zhi Liu, Hongyang Lai, and Yanru Zhang. Deep reinforcement learning for voltage control and renewable accommodation using spatial-temporal graph information. *IEEE Transactions on Sustainable Energy*.
- [7] **(Under Review) Jinhao Li**, Changlong Wang, Yanru Zhang, and Hao Wang. Temporal-aware deep reinforcement learning for energy storage bidding in energy and contingency reserve markets. *IEEE Transactions on Smart Grid*.