Yulong Hu

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EDUCATION

The Hongkong University of Science and Technology *Hongkong SAR, China*
Ph.D. Candidate, Civil Engineering 2022-present
Advisor: Prof. Sen Li
CGA: 3.912/4.3

Chongqing University *Chongqing, China*
Bachelor of Engineering, Electrical Engineering and Automation (Hong Shen) 2018-2022
GPA: 92.01/100

ACADEMIC EXPERIENCE

King's College London *London, The United Kingdom*
Visiting Ph.D., Department of Informatics 2024-2025
Advisor: Prof. Yali Du

Aalborg University *Aalborg, Denmark*
Research Assistant, Department of Energy 2021-2022
Advisor: Prof. Francesco Iannuzzo

Sungkyunkwan University *Seoul, South Korea*
Exchange Undergraduate, Department of Electronic and Electrical Engineering 2021
GPA: 92.4/100

The University of Hong Kong *Hongkong SAR, China*
Exchange Undergraduate, Department of Mathematics 2019
CGA: 4.3/4.3

PUBLICATIONS

Journal

Yulong Hu, Tingting Dong, Sen Li. Coordinating Ride-Pooling with Public Transit using Reward-Guided Conservative Q Learning: An Offline Training and Online Fine-Tuning Reinforcement Learning Framework. *Transportation Research Part C: Emerging Technologies, 174:105051, 2025*

Yulong Hu, Siyuan Feng, Sen Li. BMG-Q: Localized Bipartite Match Graph Attention Q-Learning for Ride-Pooling Order Dispatch. *Under 2nd round review in IEEE Transaction on Intelligent Transportation System*

Tingting Dong, **Yulong Hu**, Zeming Wang, Sen Li. Integrated Optimization of Ride-Pooling and Shared Micro-mobility Services with Meeting Points. *Under 1st round review in Transportation Research Part C: Emerging Technologies*

Wei Lai, Zhi Wang, **Yulong Hu**, Minyou Chen, Hongjian Xia, Dan Luo, YunHai Wei, Bing Gao, Yigao Chen. Evaluation of IGBT Module Remaining Lifetime in Wind Power Converters Considering Impacts of Failure Location. *In IEEE Transactions on Electron Devices, 2021, 68(4): 1810-1818*

Jie Ma, Chengfeng Jia, Yaqing Shu, Kezhong Liu, Yu Zhang and **Yulong Hu.** Intent prediction of vessels in intersection waterway based on learning vessel motion patterns with early observations. *In Ocean Engineering, 2021, 232: 109154*

Conference
Yunhai Wei, **Yulong Hu**, Wei Lai and Minyou Chen. A Novel Calibration Method of Junction Temperature of IGBT for Electric Vehicle. *In The 34th International Electric Vehicle Symposium and Exhibition (EVS34)*

Hongjian Xia, Yi Zhang, Huai Wang, Minyou Chen, Wei Lai, Dan Luo and **Yulong Hu**. Condition Monitoring of Capacitors in Modular Multilevel Converter with Wavelet Analysis. *In 2021 IEEE Energy Conversion Congress and Exposition (ECCE)*

HONORS AND AWARDS

Overseas Research Award, The Hong Kong University of Science and Technology	2024
Hong Kong Ph.D. Fellowship Scheme Award	2022
Red Bird Award, The Hong Kong University of Science and Technology	2022
Outstanding Graduate, Chongqing University	2022
Canada Mitacs Global Link Research Award	2021
Class A Scholarship, Chongqing University	2019, 2020, and 2021
National First Prize, China Undergraduate FPGA Innovation Design Competition	2020
Top Ten Excellent Student Award, Chongqing University	2020
National Undergraduate Scholarship of China	2019
Award of Excellence, The University of Hong Kong	2019

SERVICE

Reviewer, *IEEE Transaction on Intelligent Transportation System (3)*
Reviewer, *Transportation Research Part E: Logistics and Review (1)*
Reviewer, *IEEE Transaction on Artificial Intelligence (1)*