JUNYAN SU

Email: junyan.su@my.cityu.edu.hk

Homepage: sujunyan.github.io

EDUCATION

Ph.D. in Data Science, City University of Hong Kong	2020-present
B.E. in Computer Science and Technology, ShanghaiTech University	2015-2019

PUBLICATION

Selected Publication:

1. Qiulin Lin, Yanfang Mo, Junyan Su, and Minghua Chen. Competitive online optimization with multiple inventories: A divide-and-conquer approach. *Proceedings of the ACM SIGMETRICS'22*, 6(2):1–28, 2022

2. Yuning Jiang, Junyan Su, Yuanming Shi, and Boris Houska. Distributed optimization for massive connectivity. *IEEE Wireless Communications Letters*, 9(9):1412–1416, sep 2020

Other Publication:

1. Junyan Su, Minghua Chen, and Haibo Zeng. E2pilot: An energy-efficient navigation system for long-haul timely truck transportation. In *Proceedings of the Thirteenth ACM International Conference on Future Energy Systems (ACM e-Energy 2022)*, e-Energy '22, page 430–431, New York, NY, USA, 2022. ACM. (demo paper)

2. Junyan Su, Minghua Chen, and Haibo Zeng. Energy efficient timely transportation: A comparative study of internal combustion trucks and electric trucks. In *Proceedings of the 8th ACM International Conference on Systems for Energy-Efficient Buildings, Cities, and Transportation (ACM BuildSys 2021)*, BuildSys '21, page 224–225, New York, NY, USA, 2021. ACM. (poster paper)

3. Lin Gao, Junyan Su, Jiadi Cui, Xiangchen Zeng, Xin Peng, and Laurent Kneip. Efficient globally-optimal correspondence-less visual odometry for planar ground vehicles. *Proceedings - IEEE International Conference on Robotics and Automation (ICRA)*, pages 2696–2702, 2020

4. Junyan Su, Yuning Jiang, Altuğ Bitlislioğlu, Colin N. Jones, and Boris Houska. Distributed multi-building coordination for demand response. *IFAC-PapersOnLine*, 53(2):17113–17118, 2020

5. Junyan Su, Yanlin Zha, Kai Wang, Mario E Villanueva, R. Paulen, and Radoslav Paulen. Interval superposition arithmetic for guaranteed parameter estimation. *IFAC-PapersOnLine*, 52(1):574–579, 2019

SOFTWARE

- Main developer of the E2Pilot, a navagation platform for energy-efficient long-haul timely truck transportation.

- Main contributor of the simulation for all the publication I co-authored.

SKILLS

Progamming Languages   Julia, Python, C/C++, MATLAB