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■ 教育工作经历

2021.10 - 至今	西安交通大学 自动化科学与工程学院 入选 2022 年西安交通大学“青年拔尖人才”计划	副教授
2018.08 – 2021.09	加州大学伯克利分校 BEARS 研究中心 导师：Costas J. Spanos 教授 (IEEE Fellow)	博士后
2013.07 – 2018.06	清华大学 自动化系 导师：管晓宏 院士 (IEEE Fellow)	博士学位 (保送直博)
2016.03 – 2016.05	鲁汶大学 电子工程系 访问导师：Geert Deconinck 教授 (IEEE Fellow)	访问学者
2009.09 – 2013.07	华中科技大学 控制科学与工程系	工学学士

■ 研究项目

2018.08 – 2021.09	Building Efficiency and Sustainability in the Tropics 2 (新加坡国家研究基金)	参与
2016.07 – 2018.07	能源互联网的规划、运行与交易基础理论 (国家重点研发计划)	参与
2017.01 – 2018.07	多尺度网络化离散事件动态系统策略优化 (国家自然科学基金)	参与
2014.01 – 2017.12	基于能源信息感知与特性分析智能电网供需动态优化匹配与协调 (国家自然科学基金)	参与
2014.07 – 2017.06	大城市非常规突发事件驱动的疏散决策优化 (北京市科技新星计划)	参与

■ 论文发表

期刊论文

- Y. Yang, Q. -S. Jia, Z. Xu, X. Guan, and C. J. Spanos, “Proximal ADMM for Nonconvex and Nonsmooth Optimization,” *Automatica*, vol. 146, 110551, 2022.
- Y. Yang, Y. Chen, G. Hu, and C. J. Spanos, “Optimal Network Charge for Peer-to-Peer Energy Trading: A Grid Perspective,” *IEEE Transactions on Power Systems*, vol. 38, no. 3, pp. 4185-4194, 2022.
- Y. Yang, G. Hu, and C. J. Spanos, “Optimal Sharing and Fair Cost Allocation of Community Energy Storage,” *IEEE Transactions on Smart Grid*, vol. 12, no. 5, pp. 4185-4194, 2021.
- Y. Yang, S. Srinivasan, G. Hu, and C. J. Spanos, “Distributed Control of Multi-zone HVAC Systems Considering Indoor Air Quality,” *IEEE Transactions on Control Systems Technology*, vol. 29, no. 6, pp. 2586-2597, 2021.
- Y. Yang, G. Hu, and C. J. Spanos, “Stochastic Optimal Control of HVAC system for Energy-efficient Buildings,” *IEEE Transactions on Control Systems Technology*, vol. 30, no. 1, pp. 376-383, 2021.
- Y. Yang, G. Hu, and C. J. Spanos, “HVAC Energy Cost Optimization for a Multi-zone Building via A Decentralized Approach,” *IEEE Transactions on Automation Science and Engineering*, vol. 17, no. 4, pp. 1950-1960, 2020.
- Y. Yang, Q. -S. Jia, G. Deconinck, X. Guan, Z. Qiu, and Z. Hu, “Distributed Coordination of EV Charging with Renewable Energy in a Microgrid of Buildings,” *IEEE Transactions on Smart Grid*, vol. 9, no. 6, pp. 6253-6264, 2018.
- Y. Yang, Q. -S. Jia, X. Guan, X. Zhang, Z. Qiu, and G. Deconinck, “Decentralized EV-based Charging Optimization with Building Integrated Wind Energy,” *IEEE Transactions on Automation Science and Engineering*, vol. 16, no. 3, pp. 1002-1017, 2019.
- Y. Chen, Y. Yang, and X. Xu, “Towards transactive energy: An analysis of information-related practical issues,” *Energy Conversion and Economics*, vol. 3, no. 3, pp. 112-121, 2022.
- 贾庆山, 杨玉, 夏俐, 管晓宏, “基于事件的优化方法简介及其在能源互联网中的应用,” *控制理论与应用*, vol. 1, pp. 32-40, 2017.
- T. Long, Q. -S. Jia, G. Wang, Y. Yang, “Efficient Real-Time EV Charging Scheduling via Ordinal Optimization,” *IEEE Transactions on Smart Grid*, vol. 12, no. 5, pp. 4029-4038, 2021.

会议论文

- **Y. Yang**, Q. -S. Jia, and X. Guan, “The joint scheduling of EV charging load with building mounted wind power using simulation-based policy improvement,” IEEE International Symposium on Flexible Automation (ISFA), Cleveland, Ohio, USA, Aug. 1-3, 2016, pp. 165-170.
- **Y. Yang**, Q. -S. Jia, and Xiaohong Guan, “Stochastic Coordination of Aggregated Electric Vehicle Charging with On-site Wind Power at Multiple Buildings,” 56th IEEE Conference on Decision and Control (CDC), Melbourne, Australia, Dec. 12-15, 2017, pp. 4434-4439.
- **Y. Yang**, Q. -S. Jia, and Xiaohong Guan, “Improving the Prediction Accuracy of Building Energy Consumption using Location of Occupant-A Case Study,” IEEE International Conference on Industrial Technology (ICIT), Taipei, China, Mar. 14-17, 2016, pp.1550-1555.
- T. Wang, **Y. Yang**, and R. Jia. “Learnability of Learning Performance and Its Application to Data Valuation”, ICLR Workshop on Socially Responsible Machine Learning, 2022.

■ 学术兼职

- 国际期刊副编辑 Results in Control and Optimization （2021 年-至今）
- 会议编委 16th IEEE International Conference on Control & Automation, 2020
- 期刊审稿人 IEEE Transactions on Automatic Control
Automatica
IEEE Transactions on Smart Grid
IEEE Transactions on Automation Science and Engineering
IEEE Transactions on Control Systems Technology
IEEE Control System Letters (L-CSS) （2019 年 L-CSS 杰出审稿人）
SCIENCE CHINA Information Sciences