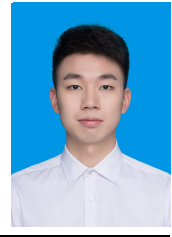


Yujun Lin

Smart Grid Operation & Control Center | School of Electrical and Electronic Engineering
Huazhong University of Science and Technology, Wuhan, China



PERSONAL INFORMATION

Born: March 7, 1998

Citizenship: Chinese

Marital status: Unmarried

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📍 SEEE, Room A828

Research interests

- Optimal operation and control of energy storages

EDUCATION

Huazhong University of Science and Technology, Wuhan, China

- Ph.D., Electrical Engineering (expected Jun. 2025)

Sep. 2020-Present

Member of Smart Grid Operation & Control Center

Advisor: Prof. Xia Chen

Chongqing University, Chongqing, China

- B.E., Electrical Engineering and its Automation

Sep. 2016-Jun. 2020

GPA: top 5% out of 324 students; Recommended postgraduate

RESEARCH PROJECTS

Control theory and method of energy storage in power system

2023-2025

National Natural Science Foundation of China, Outstanding Young Scholars

Main Participant

- Assisted in writing the grant application
- Lead a project group including two M.Sc. students for the project execution
- Outcome: A project proposal and a journal article

Fundamental theory and method of energy management of large scale integrated energy system

2023-2026

National Natural Science Foundation of China, Joint Funds

Main Participant

- Assisted in writing the grant application
- Completed feasible region modelling of the integrated energy system
- Outcome: A project proposal and a journal article

Research on collaborative allocation of energy storage resources and key operating technologies for multi-application scenarios in power system

2021-2023

State Grid Corporation Research Project, China

Main Participant

- Established a simulation platform and designed a coordinated control scheme for energy storage resources
- Assisted in writing the grant application; Completed a project mid-term report
- Outcome: A simulation platform in MATLAB/SIMULINK, a project report and a journal article

Key technologies for networked control of high-safety lithium battery energy storage Techniques and applications

2020-2022

State Grid Corporation Research Project, China

Main Participant

- Developed a distributed control scheme for lithium battery energy storages
- Summarized project achievements and completed a project closure report independently
- Assisted in the implementation of the control algorithm on the hardware platform
- Outcome: A project closure report, a hardware platform and a journal article

PUBLICATIONS

Journal articles

- J1. **Yujun Lin**, Xing Li, Baoyu Zhai, Qiufan Yang, Jianyu Zhou, Xia Chen, and Jinyu Wen, "A two-layer frequency control method for large-scale distributed energy storage clusters," International Journal of Electrical Power & Energy Systems, vol. 143, p. 108465, 2022.
- J2. Xuanang Lei, **Yujun Lin**, Qiufan Yang, Jianyu Zhou, Xia Chen, and Jinyu Wen, "Research on coordinated control of renewable-energy-based Heat-Power station system," Applied Energy, vol. 324, p. 119736, 2022.
- J3. Zelong Ni, **Yujun Lin**, Zhitao Wang, Zhenyu Xu, Xia Chen. Research on frequency regulation of VSG controlled energy storages based on model predictive control. Power System Protection and Control, 2022, 50(14):85-93 (in Chinese)
- J4. Qiufan Yang, Yin Chen, **Yujun Lin**, Xia Chen, and Jinyu Wen, "PI Consensus-Based Integrated Distributed Control of MMC-MTDC Systems". IEEE Transactions on Power Systems, 2022.
- J5. Tianxiang Dong, Baoyu Zhai, Xing Li, Qiufan Yang, **Yujun Lin**, Xia Chen, and Jinyu Wen, "Optimal Control Strategy for Combined Wind-storage System to Participate in Frequency Response. Power System Technology, 2022, 46(10), 3980-3989. (in Chinese)

Conference articles

Yujun Lin, Qiufan Yang, Jianyu Zhou, Xia Chen and Jinyu Wen, "Model Predictive Control Based Frequency Regulation for Power Systems Containing Massive Energy Storage Clusters", International Conference on Energy Storage and Intelligent Vehicles, ICEIV 2022, Beijing, China, Dec. 3-4, 2022.

ACTIVITIES AND SERVICES

Conference Presentation

- International Conference on Energy Storage and Intelligent Vehicles, ICEIV 2022, Online Dec. 2022

Conference Volunteer

- IEEE 4th International Electrical and Energy Conference, Wuhan, China May 2021
- IEEE PES Conference, Wuhan, China Oct. 2020

Teaching

- Engineering Practice: Photovoltaic-Battery Generation Systems Jul. 2021-Aug. 2021
Course Developer; Teaching Assistant

Journal and Conference Referee

CSEE Journal of Power and Energy Systems.

SELECTED AWARDS & HONORS

First-class Scholarship for Doctoral Students, Huazhong University of Science and Technology	2022
Active Participants in Extracurricular Activities, Huazhong University of Science and Technology	2021
Outstanding Graduates Cadre Award, Chongqing University	2020
China National Scholarship, Chinese Government	2019
Outstanding Student Cadre Award, Chongqing University	2018/2019
Outstanding Cadre of Communist Youth League, The Communist Youth League of China	2018
Interdisciplinary Contest In Modeling (MCM/ICM), Honorable Mention, COMAP	2018