

YUHENG ZHANG

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Education

Peking University, College of Engineering <i>Ph.D Candidate, Department of Industrial Engineering and Management</i>	Sep. 2022 – now <i>Beijing, China</i>
Imperial College of London, Dyson School Of Design Engineering <i>Visiting Student</i>	Jan. 2026 – Jun. 2026 <i>London, United Kingdom</i>
Peking University, College of Engineering <i>Bachelor of Engineering, Department of Energy and Resources Engineering</i>	Sep. 2018 – June. 2022 <i>Beijing, China</i>

Publications

- **Zhang, Y.**, Cheng, V., Mallapragada, D. S., Song, J., & He, G. (2022). A model-adaptive clustering-based time aggregation method for low-carbon energy system optimization. *IEEE Transactions on Sustainable Energy*, 14(1), 55-64.
- Shi, S., **Zhang, Y.**, Lu, Y., & Tian, Y. (2020, October). The Load Portrait Method for Urban Substation Based on Clustering. In 2020 2nd International Conference on Artificial Intelligence and Advanced Manufacture (AIAM) (pp. 104-108).

Conferences

- 2024 INFORMS Annual Meeting, Poster session, Oct. 2024, **Assessing the Feasibility and Economics of Seasonal Hydrogen Storage in the Power Market**

Working Papers

- Zero-Emission Methanol for Maritime Shipping, Yang Qu, **Yuheng Zhang**, Guannan He, Junling Huang, and Da Zhang (In Preparation)
- The coupling mechanism of integrated transport and energy systems and optimization methods of refueling forms for low-carbon heavy-duty vehicles (Working Paper)
- Modeling and Optimization of Meteorological-Power Coupling Systems Integrating Climate Model Data (Working Paper)

Awards

- Grand Challenges Scholars Program Scholars (Jun. 2022)
- 49th International Exhibition of Inventions of Geneva Gold Medal (Mar. 2022)

Service

Reviewer

- IET Renewable Power Generation
- IEEE Transactions on Sustainable Energy