

# YUHENG ZHANG

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## Education

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### Peking University, College of Engineering

*Ph.D Candidate, Department of Industrial Engineering and Management*

**Sep. 2022 – now**

*Beijing, China*

### Imperial College of London, Dyson School Of Design Engineering

*Visiting Student*

**Jan. 2026 – Jun. 2026**

*London, United Kingdom*

### Peking University, College of Engineering

*Bachelor of Engineering, Department of Energy and Resources Engineering*

**Sep. 2018 – June. 2022**

*Beijing, China*

## Publications

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- **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

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

## Working Papers

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- 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

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

## Service

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### Reviewer

- IET Renewable Power Generation
- IEEE Transactions on Sustainable Energy