

## Special Issue

# Control Technologies for Wind and Photovoltaic Power Generation

### Message from the Guest Editors

This Special Issue will deal with novel control techniques and optimization strategies to enhance the performance, reliability, and grid adaptability of renewable energy generation. Topics of interest for publication include, but are not limited to, the following:

- Wind power generation control;
- PV generation control;
- Optimal operation of renewable energy;
- Power system with renewables control;
- Predictive maintenance of PV and wind power generation;
- Coordinated control of energy storage and renewables;
- Operation optimization of power systems with renewables;
- Smart energy management of the system with renewables;
- Coordination between renewables and demand-side management;
- Application of AI and ML for renewables control and operation.

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### Guest Editors

Prof. Dr. Zhixin Wang

Dr. Jian Wang

Dr. Songli Fan

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### Deadline for manuscript submissions

18 December 2025



## Energies

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## About the Journal

### Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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### Editor-in-Chief

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