

# Special Issue

## Advances in Wind Turbines

### Message from the Guest Editor

Wind power has become the fastest growing and most competitive power. However, with the gradual increase of wind power level, the issue of safe and stable operation has aroused widespread concern. Therefore, in order to build a novel power system and promote the transformation of a low-carbon energy structure, it is essential to comprehensively study key technologies such as new wind turbine topologies, improved generator-side control strategies, wind power prediction approaches and grid-friendly control methodologies for large-capacity wind turbines. This Special Issue aims to present and disseminate the most recent advances related to the theory, design, modeling, application, control and condition monitoring of all types of wind turbines. Topics of interest for publication include, but are not limited to:

- Structures of wind turbines;
- Wind farm layout;
- Control strategies of wind turbines;
- Stability of the wind power system;
- Condition-monitoring techniques;
- Optimal design methodologies;
- Modeling approaches.

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### Guest Editor

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### Deadline for manuscript submissions

closed (20 December 2024)



## Energies

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CiteScore 8.3



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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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