Special Issue

Advanced Wind Energy Systems: Comprehensive Insights into Analysis, Design, Control, and Optimization—2nd Edition

Message from the Guest Editor

Dear Colleague,

In this era of advanced wind energy systems, the dominant presence of wind turbines on our landscapes signifies more than just a shift towards cleaner energy. They stand as beacons of modern advancements in design, control, analysis, and optimization. This progression is not limited to the vast stretches of traditional onshore farms but also spans to offshore behemoths, urbanized wind solutions, and elevated wind energy mechanisms.

With this Special Issue, we aim to curate and distribute the most contemporary breakthroughs concerning the design, optimization, application, control, and health monitoring of wind energy systems. Your insights, research, and innovations in these domains would greatly enrich this collaborative endeavor. Collectively, we can continue to propel wind energy into the zenith of its potential.

Keywords:

- wind energy
- wind turbines
- aerodynamic
- onshore and offshore wind farms
- AI and machine learning
- modeling and optimization

Guest Editor

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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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