Special Issue

Novel Approaches for Wind Energy

Message from the Guest Editor

This Special Issue aims at reaching academics, scientists, and industrial actors interested in the wind energy field to contribute with their achievements to the recent advances in wind energy. This present Special Issue covers a wide range of topics, including:

- Development of resource assessment techniques—prediction, modelling, atmospheric physics, wind farm planning, siting (including off-shore developments), economics, and environmental issues;
- Wind rotors and blades—aerodynamics, aero-elastics, aero-servo-elasticity, aero-acoustics, wakes, rotor, and blade design;
- Wind turbine technologies;
- Control of wind turbines, diagnostics;
- Generator concepts, including gearless concepts;
- Electrical engineering of wind power;
- Grid interconnection, ride-through operation, protection;
- Operations and maintenance—reliability, maintainability, condition monitoring, predictive maintenance, and economics;
- Concept innovations, modeling, systems—design, installation, operation, performance, optimization, and control;
- Structural and mechanical component modeling and design;
- Smart-grid and micro-grid related to wind turbine operation.

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Deadline for manuscript submissions

closed (20 June 2024)

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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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