Special Issue

Wind Turbine 2023

Message from the Guest Editors

In the last decade, wind power generation technology became more mature and competitive in utility scale. “Wind Turbine 2023” is a continuation of the previous and successful series of Special Issue with topic of “Wind Turbines”. This Special Issue aims to realize the world-wide potential to harness clean energy from land-based and offshore wind. Similarly, this issue also focuses on recent advances in the wind energy sector on a wide range of topics, including: wind resource mapping,
wind intermittency issues
wind turbine reliability, availability, safety and risk
aerodynamics, foundations, aeroelasticity
wind turbine technologies
control of wind turbines, diagnostics
generator concepts including gearless concepts
power electronic converters
grid interconnection, ride-through operation, protection
wind farm layouts - optimization and control, reliability, operations and maintenance
black start of wind farms
effects of wind farms on local and global climate
wind power stations
energy storage systems in wind farms
smart-grid and micro-grid related to wind turbine operation
cost and life cycle assessment of wind turbines

Guest Editors

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Deadline for manuscript submissions

closed (31 July 2023)

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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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