Special Issue

Advances in Fluid Dynamics and Wind Power Systems: 2nd Edition

Message from the Guest Editors

This Special Issue aims to bring together the most recent advances in fluid dynamics to tackle the challenges and issues faced by modern wind power systems. Original research and review articles are welcome. The potential topics of the present Special Issue include, but are not limited to, the following:

- Fluid–structure interaction;
- Rotor aerodynamics;
- Blade aeroelasticity;
- Aeroelastic instabilities;
- Wake modelling;
- Wake interaction;
- Turbulence modelling;
- High-resolution modelling of vortex structures;
- Modelling of wind turbines in array configurations;
- Wind farm optimisation;
- Analysis and control of various unsteady flows for wind turbines;
- Modelling of unsteady wind conditions;
- Modelling of floating platforms.

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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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