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Wind and Marine Energy Technologies and Their Applications

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Deadline for manuscript
submissions:

closed (15 October 2020)

Message from the Guest Editor

With the success of the offshore wind industry and the rapid development in, and expectations for, floating wind turbines alongside continued progress in wave and tidal technology, this Special Issue on wind and marine energy technologies and applications aims to bring together contributions to the latest research on technological developments for wind, wave, and tidal energy extraction together with research on methods to exploit these developments for sustainable development. This includes analysis and discussion of routes to implementation of these developing and emerging technologies. Contribution on a single technology, from resource assessment analysis methods to structural or fluid-dynamics analysis methods are welcome, as are contributions on cross-fertilisation between wind, wave, and tidal technologies or the benefits of hybrid systems by, for example, combining wind and wave, or combining one of the technologies with energy storage or hydrogen production. Contributions are also welcome on the integration of offshore energy into the electricity or energy system as well as on environmental impacts from installations.



mdpi.com/si/29250

Special Issue



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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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