Special Issue

New Design and Research on Offshore Wave and Tide Energy Technologies

Message from the Guest Editors

Wave and tide energy play a central role in the global transition toward green energy, contributing to mitigating climate change. To reach reliable, high-performance, scalable, and sustainable engineering solutions to tidal energy, a more comprehensive investigation assessing tidal energy, turbulent inflows, tide and wave interactions, tidal turbine design and optimization, tidal array and blockage effects, and tidal wakes is essentially required. For these reasons, we invite submissions to a Special Issue of Energies on "New Design and Research of Offshore Wave and Tide Energy Technologies". This Special Issue aims to publish recent research advancements, technical challenges, and novel design methodologies related to the design and research of wave and tide energy technologies with respect to cutting-edge technology, as well as practical research on wave energy device design; research on device array parameters and algorithm optimization; the simulation of multi-body platform linkage; the assessment of tidal energy resources, tidal turbine design and optimization, tidal turbine hydrodynamics, tidal array and blockage effects, tidal wakes, etc.

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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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