Special Issue

Modeling and Simulation of Floating Offshore Wind Farms

Message from the Guest Editor

The new future of power production within the wind energy sector is floating offshore wind farms. This emerging technology is opening new possibilities for wind power locations and will play a critical role in the transition to a cleaner energy supply, contributing significantly to an increase in wind power. However, the challenges faced in developing this new technology are significant, and outstanding research and innovation are required in areas such as design, energy extraction, installation, maintenance, monitoring, etc., to minimize risks and maximize the chances of a successful future installations. This Special Issue aims to address the challenges the floating offshore wind turbines sector is facing by providing innovative research ideas and reporting current advances in the field of modeling and simulation of wind farms. Contributions across a broad spectrum of scientific and engineering disciplines concerned with technological developments in offshore wind power generation, energy conversion, and integration are of great importance for the journal.

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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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