



Recent Advances in Offshore Wind Technology

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Message from the Guest Editors

Dear Colleagues,

We are inviting submissions to a Special Issue of the journal *Energies* on the subject area of “Recent Advances in Offshore Wind Technology.” Offshore wind resources are abundant, yet offshore wind farms experience more issues related to design, installation, operation and maintenance, and lifetime extension compared to onshore wind farms. Almost three decades have passed since the first offshore wind farm was constructed. Today, offshore wind energy has been rapidly evolving with the aim to deploy larger wind turbines at increasing water depths and under complex external conditions. Challenges abound when it comes to the upscaling of wind turbines, and cost-effective operation and maintenance in a life-cycle perspective, and there has been continuous progress in foundation design, control strategy, installation methods, computational methods, and model testing, to name a few. This Special Issue is intended to provide a forum for academic researchers and technical professionals to exchange their recent works on technological advancements.

Topics of interest for publication in this Special Issue include, but are not limited to, the following: Innovative concepts and technologies; Hydrodynamics, structural dynamics, and aerodynamics; Dynamics and control; Field measurements and model testing; Fabrication and installation; Operations, maintenance, lifetime extension and decommissioning; Drivetrain technology; Metocean conditions and wind farm siting; Scour prediction and protection; Foundation design.





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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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