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Advances in Health Monitoring, Optimization and Control for Off-Shore Energy Systems

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Message from the Guest Editor

Offshore energy (including offshore wind, tide and wave) has been contributing to larger portions of renewable energy in the world. Very recently, offshore energy has been receiving much more attention and great investments from many governments and energy industries. Offshore energy conversion systems are complex and expensive, with less tolerance for performance degradation and unexpected shutdown, but they have high reliability, safety, productiveness and system operation performance. This has brought huge opportunities as well as challenges for researchers and engineers to develop effective and reliable health monitoring and diagnosis algorithms and intelligent optimization and control strategies to enhance offshore energy system performance. This Special Issue aims to provide a platform for researchers and engineers from academic institutes and industrial sectors to exchange their research ideas, disseminate their recent research results, and overview emerging research directions in offshore energy systems.



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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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