Special Issue

Offshore Wind Turbines and Wave Energy: Modeling, Simulation and Applications

Message from the Guest Editors

Renewable energies, such as wind and wave energy, can be regarded as a replacement or supplementary resource to offset the demand for carbon-based fuels for power generation. Offshore wind and wave energy technologies have been developed rapidly in recent decades. Nevertheless, the development of these technologies is facing substantial technical challenges. Important aspects such as efficiency, reliability, survivability, and uninterrupted operation of wind–wave energy converter systems and their interconnection with future power grids should be improved to advance the commercialization of these renewable energies. Furthermore, the integration of wave energy converter devices with offshore wind turbines is a developing field showing considerable potential as a novel hybrid technology for exploiting multisource renewable energies. For more information on the Special Issue, please visit LINK https://www.mdpi.com/journal/applsci/special_issues/219Q2L7N0B

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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