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

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Message from the Guest Editors

Dear Colleagues,

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.

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Message from the Editor-in-Chief

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