



New Era in Offshore Wind Energy

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Message from the Guest Editors

Dear Colleagues,

Offshore wind turbine (OWT) technology is the leading technology in the offshore renewable energy sector, which has the greatest potential of developing commercially and becoming the backbone of the energy system by 2030 and 2050, respectively. Up to now, the use of fixed-bottom OWTs dominates against the use of floating OWTs (FOWTs); in the forthcoming years both technologies will be further developed and expanded together. In previous years, novel technologies were already developed in order to lower the levelized cost of energy and to efficiently face engineering challenges and uncertainties. Significant progress has been generated so far to facilitate the application of related theoretical designs in engineering practice. A new era in offshore wind energy technology, related to the analysis, design, and structural health monitoring of OWTs, is the core of this Special Issue.

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Guest Editors





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Message from the Editor-in-Chief

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