



FOWT–Floating Offshore Wind Turbine: Experimental and Numerical Modelling of Motion Behaviour in Waves, Wind and Current

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Message from the Guest Editor

Dear Colleagues,

Offshore wind energy is one of the largest renewable sources, and a considerable amount of wind energy is located further offshore in deeper waters. Due to the limitation of using bottom-mounted offshore wind turbines for water depths larger than 60 m, wind turbines placed on floating platforms are being investigated as a potentially feasible option to explore such energy resources.

The dynamics of FOWT (floating offshore wind turbine) is a complex topic to accurately predict as they are subject to several environmental loads of distinguished nature, e.g., aerodynamic loads on the turbine, wave loading on the floater and current loading on the floater, mooring and electric cable.

In this regard, the present Special Issue aims to present the latest developments in experimental and numerical modelling of motion behavior in waves, wind and/or current for designing of FOWT. This Special Issue will provide valuable material for helping designers in the early stages of FOWT projects and will also contribute ideas for new concepts.





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Message from the Editor-in-Chief

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