Special Issue

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

Message from the Guest Editor

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.

Guest Editor

Prof. Dr. Rodolfo Trentin Gonçalves

OSPL – Ocean Space Planning Laboratory, Department of Systems Innovation, School of Engineering, The University of Tokyo, Tokyo, Japan

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Journal of Marine Science and Engineering
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jmse@mdpi.com

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Message from the Editor-in-Chief

The *Journal of Marine Science and Engineering* (*JMSE*; ISSN 2077-1312) is an international peer-reviewed open access journal which provides an advanced forum for studies related to marine science and engineering. The journal aims to provide scholarly research on a range of topics, including ocean engineering, chemical oceanography, physical oceanography, marine biology and marine geosciences. We invite you to publish in our journal sharing your important research findings with the global ocean community.

Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi
School of Engineering, The UWA Oceans Institute, The University of Western Australia, Perth, WA 6009, Australia

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