Special Issue

From High-Fidelity Models towards Engineering Tools for the Design of Offshore Renewable Energy Technologies

Message from the Guest Editors

Despite the significant increase of the cumulative offshore energy production in the last decade, the design of offshore renewable energy technologies is still affected by a high level of uncertainty. Therefore, both scientific and technical community are dedicating an outstanding effort to the creation of numerical models and software that can boost the development of offshore renewable energy technologies. These models allow for a high-fidelity prediction of the marine energy resource, the behaviour of the devices and their economic and environmental impacts, while, on the other hand, guarantee high levels of usability to technology developers and stakeholders on the process of reliable design.

We encourage the submission of high-quality papers in the following areas:

Resource assessment models towards the design of offshore technologies,
Hydrodynamic and aerodynamic analysis
Subsystem design tools
Energy maximising or lifetime extending control,
Structural integrity and survivability,

Guest Editors

Dr. Vincenzo Nava

1. Tecnalia, Basque Research and Technology Alliance (BRTA), Edificio 700, 48160 Derio, Bizkaia, Spain
2. BCAM, Basque Centre for Applied Mathematics, Alameda Mazarredo, 14, 48009 Bilbao, Bizkaia, Spain

Dr. Markel Penalba

1. Fluid Mechanics Research Group, Mondragon University, 20500 Arrasate-Mondragon, Spain
2. Ikerbasque Basque Foundation for Science, Euskadi Plaza 5, Bilbao,

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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

mdpi.com/journal/jmse

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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
Oceans Graduate School and The UWA Oceans Institute, The University of Western Australia, Perth, WA 6009, Australia

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