



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

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Deadline for manuscript submissions:

closed (15 January 2022)

Message from the Guest Editors

Dear Colleagues,

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,





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Message from the Editor-in-Chief

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