

## Special Issue

# Dynamic Response of Marine Structures under Wave Action

### Message from the Guest Editors

The earth is experiencing climate change and as a result it is likely that the frequency and intensity of extreme waves will increase. This requires the design of new reliable and economically viable marine structures, as well as the assessment of the existing ones. Marine structures, in the broadest sense, are mainly designed to withstand wave action. However, common design approaches are based on a static assumption that might lead to a misleading estimation of the design stresses, especially when considering rigid structures. It is, indeed, of great importance to properly assess the dynamic response of these structures exposed to the breaking and non-breaking wave action. Based on the findings of two recent ongoing research projects, the UK based STORMLAMP and the Dutch DynaHicS, as well as the ongoing research activities on the hydro-RTHS (hydrodynamic real-time simulation) carried out in the framework of the US NHERI Program (Natural Hazards Engineering Research Infrastructure), we identified the importance of disseminating the most update scientific knowledge about this topic that fuses two fascinating engineering sectors, hydraulics and structural engineering.

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### Guest Editors

Dr. Alessandro Antonini

Dr. Bas Hofland

Dr. Pedro Lomonaco

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### Deadline for manuscript submissions

closed (30 November 2020)



## Journal of Marine Science and Engineering

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## About the Journal

### 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.

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### Editor-in-Chief

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