

Special Issue

Numerical Analysis and Modeling of Floating Structures

Message from the Guest Editors

Floating infrastructure, such as buildings, piers/docks, bridges, breakwaters, aquaculture facilities, offshore platforms, and energy harvesters (e.g., floating wind, wave, or solar) offer tremendous potential to increase the resiliency of future cities for climate change adaptation. Given the complexity of many floating systems, numerical modeling presents a powerful tool for exploring the fundamental processes that govern their interactions with the physical or human environment. This Special Issue seeks contributions from researchers across academia and industry to share state-of-the-art advances in the use of numerical tools for the analysis of floating structures (and their components) existing at the water–air interface spanning all scales and applications. Contributions investigating the response of floating systems under extreme hydrodynamic events (e.g., breaking or extreme waves) are particularly welcome.

Guest Editors

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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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