

Special Issue

Computational Fluid Dynamics Simulation of Floating Offshore Structures—2nd Edition

Message from the Guest Editors

Computational fluid dynamics (CFD) uses numerical analysis and data structures to analyze and solve problems involving fluid flows. CFD is gaining popularity in ocean engineering as a result of the availability of ever-increasing computational power. This Special Issue covers the entire range of issues and technologies related to floating offshore structures (floating and fixed offshore platforms, offshore infrastructures, etc.), with a strong emphasis on CFD simulation technology. We seek contributions spanning a broad range of topics related (but not limited) to the following:

- Hydrodynamics;
- Computational fluid dynamics;
- Vortex-induced vibrations;
- Fluid–structure interactions;
- Linear and nonlinear wave mechanics;
- Buoyancy and stability;
- Ship resistance and propulsion;
- Ship maneuvering and radiated noise.
- Water and environment.

Guest Editors

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Dr. Yanmei Jiao

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Deadline for manuscript submissions

closed (10 October 2024)



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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.

Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi
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the first half of 2025).