



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

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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.





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Message from the Editor-in-Chief

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