



Research on Seakeeping, Stability and Maneuvering in Waves of Marine Vessels and Floating Structures

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Message from the Guest Editor

Dear Colleagues,

The design processes of modern vessels and floating structures are driven by the quest for ever-increasing performance and higher efficiency in real environmental scenarios. Their dynamic analysis focuses on their responses in waves so as to capture their operating behaviors and to provide more detailed information to be used at the design stage.

Oceangoing vessels, ocean-floating platforms and energy-harvesting structures are the target applications of interest in this Special Issue.

Topics of interest include, but are not limited to:

- Prediction methods for vessels and floating structure dynamic performance in waves.
- Results from experimental campaigns at either model or full scale.
- Short- and long-term operability analysis of vessels.
- Survivability analysis of structures.
- Second generation intact stability criteria.
- Moored floating structures analysis.

Both methodological approaches and practical applications are encouraged to capture the state of the art and to orient the research community towards promising future theories, methods, and new concepts.

Dr. Giuliano Vernengo

Guest Editor

Special Issue





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Message from the Editor-in-Chief

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