

# Special Issue

## Control and Stability of Ship Motions

### Message from the Guest Editors

This Special Issue focuses on control and stability of ship motions. Recently, the autonomous and unmanned surface ship technologies have been applied to the real world, facilitating the realization of some sophisticated ideas. However, in this time, we can not see the level of land side in this Special Issue. The next step towards improving fully autonomous technology on the sea is to occupy the sophisticated or accurate motion control by providing useful methods including high level control theory. This Special Issue explores the dynamics analysis and control system design of marine systems, including vessel motion control for:

- stable navigation and positioning;
- control problems on unmanned surface and underwater vehicles;
- propulsion system control and optimization for energy saving;
- control and measurement systems for autonomous ship;
- hybrid propulsion system for vessels;
- automation technologies for offshore and onshore plants;

Any articles from both academia and industry are welcome. This Special Issue aims to advance the field of motion control technology on marine vessels and related fields.

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### Guest Editors

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### Deadline for manuscript submissions

closed (1 October 2023)



## Journal of Marine Science and Engineering

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by MDPI

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Impact Factor 2.8  
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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

Prof. Dr. Charitha Pattiaratchi  
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