

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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About the Journal

Message from the Editor-in-Chief

Journal of Marine Science and Engineering (JMSE, ISSN: 2077-1312) focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

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