

Special Issue

Maritime Autonomous Surface Ships

Message from the Guest Editors

Due to the increasingly strict environmental and safety regulations becoming and issues of crew safety, the maritime industry is being confronted with a range of pressing challenges. Given this, the use of autonomous ships provides potential solutions to respond to challenges, such as greenhouse gas (GHG) emissions, fuel savings and safety. The development towards marine autonomy technology will significantly improve the situation and is expected to become a cost-efficient alternative to conventional ships. The main goal of this Special Issue is to address the key challenges, thereby promoting research on maritime autonomous ships. The topics of interest in this Special Issue include, but are not limited to, the following:

- Intelligent and autonomous ships;
- Autonomous maritime operations;
- Maritime control systems and applications;
- Shore control centre;
- Remote operations;
- Multi-objective optimization design;
- Automatic identification system (AIS);
- Situational awareness;
- Decision making and logic;
- Sea trials and ship model tests;
- Data acquisition systems and multi-sensor data fusion;
- Safety and risk assessment for autonomous ships and respective regulations.

Guest Editors

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Deadline for manuscript submissions

closed (15 January 2024)



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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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