

Special Issue

New Technologies in Autonomous Ship Navigation

Message from the Guest Editors

Recent advancements have propelled autonomous ship navigation to the forefront of maritime innovation driven by challenging operational demands in global shipping, along with growing requirements for enhanced safety and efficiency. Significant progress in sensor fusion and actuation systems, artificial intelligence, and connectivity now enables vessels to perceive complex environments, make real-time decisions, and execute precise maneuvers with minimal human intervention. The purpose of this Special Issue in the *Journal of Marine Science and Engineering* is to present pioneering research and engineering solutions advancing the reliability and intelligence of autonomous maritime operation. Topics of interest include, but are not limited to, the following: marine surface vehicles, sensor-fusion navigation technology, autonomous ship navigation, optimal path planning, dynamic positioning, and intelligent control for multiple vehicles.

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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.

Editor-in-Chief

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