

## 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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### Guest Editors

Dr. Jiqiang Li

Prof. Dr. Guoqing Zhang

Dr. Antonio M. Pascoal

Prof. Dr. Weidong Zhang

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### Deadline for manuscript submissions

30 September 2026



## Journal of Marine Science and Engineering

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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

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