

Special Issue

Optimal Maneuvering and Control of Ships

Message from the Guest Editors

In recent years, marine surface vehicles have attracted a lot of attention and prevailed in diversified scenarios, such as marine environmental monitoring, autonomous cruise and maritime surveillance, etc. A large amount of meaningful research progress has been acquired for the maneuvering and control of marine surface vehicles, including the path following control, the formation control, the obstacle avoidance control, the cooperative maneuvering for the multi vehicles, and so on. This progress may facilitate the application of theoretical algorithms in the intelligent navigation and cooperative maneuvering. The purpose of special session at the journal of marine science and engineering is to provide the latest research results in fields of the optimal maneuvering and control of ships. The Special Issue includes, but is not limited to, the following topics:

- marine surface vehicles
- maneuvering in marine environment
- course keeping and path following control
- cooperative control mission for multi vehicles
- dynamic positioning
- other advanced techniques in automatic navigation

Guest Editors

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Deadline for manuscript submissions

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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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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.5 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).