

Special Issue

Unmanned Marine Vehicles: Perception, Planning, Control and Swarm

Message from the Guest Editors

Marine transportation and traffic are pivotal aspects of global connectivity, drawing significant global scholarly attention. Within this domain, unmanned marine vehicles emerge as crucial assets, which are often empowered by advancements in navigation, control, and sensing technologies, and have the potential to redefine the possibilities of marine exploration and operations. This Special Issue aims to explore the advancements, challenges, and applications of unmanned autonomous maritime vehicles, as well as to provide insights into their role in enhancing efficiency, safety, intelligence level, and sustainability in maritime operations. We are seeking original research papers, including but not limited to, the environmental perception, the autonomous navigation and control of marine vehicles, multi-agent technologies, and efficiency assessment and testing. Papers should offer valuable insights into technological innovations, application challenges, as well as emphasize the broader impact of these vehicles on various areas relating to perception, planning, and control and swarm.

Guest Editors

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Deadline for manuscript submissions

closed (10 December 2024)



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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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