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Al for Navigation and Path Planning of Marine Vehicles

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Deadline for manuscript submissions:

closed (25 January 2024)

Message from the Guest Editors

Dear Colleagues,

The increasing need for water-based navigation has created a strong demand for autonomous maritime surface vessels (AMSVs). The use of artificial intelligence (AI) for the development of autonomous maritime surface vessels (AMSVs) can effectively resolve the increasing need for water-based navigation and safety at the sea. An important motivation for autonomous functions and increased intelligence in ships is to improve the safety and efficiency of operations, and to decrease the environmental footprint.

We would like to invite papers on the topic of "AI for Navigation and Path Planning of Marine Vehicles". This includes, but is not limited to, the following:

- The use of Al for route planning, navigation, and optimisation;
- Collision avoidance algorithms;
- Sensors and data exploitation for path planning and collision avoidance;
- The development of autonomous vessels and autonomous maritime agents;
- The application of artificial intelligence, machine learning, and Big Data in maritime safety and smart shipping;
- Autonomous vessels



Specialsue







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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.

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