

Special Issue

Track Planning with Automatic Obstacle Recognition and Avoidance for Maritime Vessels

Message from the Guest Editor

Machine learning and artificial intelligence (AI) have expanded to several fields, from robotics to economic models, and enabled real-time algorithms to help plan the course of autonomous, non-autonomous, manned, or unmanned aircraft and surface vehicles. Especially for maritime vessels, and with automation and digitalization becoming increasingly central in their operation, optimum routing, path planning, and collision (with vessels, large objects, or large marine mammals) avoidance in complex sea environments emerge as areas where AI can play a pivotal role; in addition, multi-objective optimization algorithms, fuzzy logic, and other mathematical tools can solve complex problems in a practical and applied manner for use by modern marine vehicles.

Guest Editor

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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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