



AI for Navigation and Path Planning of Marine Vehicles

Guest Editors:

Dr. Sébastien Lafond

Faculty of Science and
Engineering, Åbo Akademi
University, Turku, Finland

Dr. Sepinoud Azimi

Department of Engineering
Systems and Services, Faculty of
Technology, Policy and
Management, Delft University of
Technology, Delft, The
Netherlands

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submissions:

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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 AI 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





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Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi
School of Engineering, The UWA
Oceans Institute, The University
of Western Australia, Perth, WA
6009, Australia

Message from the Editor-in-Chief

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*Journal of Marine Science and
Engineering* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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