

## Special Issue

# Intelligent Marine Robotics Modelling, Simulation and Applications

### Message from the Guest Editors

Marine robots are commonly used to carry out several tasks in deeper and riskier areas where divers are not possible. However, there are numbers of challenges in operating them precisely; unpredictable disturbances during actual operation and uncertain dynamic model for designing a typical guidance, navigation, and control system. To circumvent these challenges, the robots have to be intelligent in the sense of having conscious thought to allow them to make decisions that impact their performance and actions. The aim of the Special Issue should contain recent findings in the field of intelligent robots. Relevant technologies enhancing prototyping, simulation, dexterity, and user experience are also desired. Researchers involved in the marine robotics should find this particular issue extraordinary and provide the latest perspectives on the state-of-the-art. Topics of interest include (but are not limited to) the following areas:

- Image-based and signal-based processing
- Fault identification and detection
- Signal processing and pattern recognition
- Communication systems
- Human-robot interaction
- Multi-sensor fusion for control/feedback

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### Guest Editors

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### Deadline for manuscript submissions

closed (10 October 2019)



## Journal of Marine Science and Engineering

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Impact Factor 2.8  
CiteScore 5.0



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*Journal of Marine Science and  
Engineering*

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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.

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### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

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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).