

## Special Issue

# Application of Artificial Intelligence and Automatic Control in Marine and Maritime Research

### Message from the Guest Editor

This Special Issue aims to explore the development and design of information systems for marine technology, information and control systems for marine robotics, the study of the physical fields of marine objects, digital signal processing, automation of information systems, application programming, development of special software for microprocessors, microcontrollers and microprocessor systems for underwater vehicles and robots. The intensive expansion of the scope of robotic systems, including underwater robotics, and the increasing complexity of tasks are forcing developers to explore new technologies, including those based on the use of artificial intelligence systems. Intelligent systems are able to control autonomous uninhabited underwater vehicles (AUVs), including navigation in sea space, the formation of behavioral logic in unknown environments and movement planning, as well as optimize payload data processing. Works on the use of artificial intelligence in ports in solving logistics problems are also welcomed.

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### Guest Editor

Dr. Sergei G. Chernyi

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### Deadline for manuscript submissions

closed (25 October 2023)



## Journal of Marine Science and Engineering

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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.

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### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi  
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