

Special Issue

Advancements in New Concepts of Underwater Robotics—Second Edition

Message from the Guest Editors

The ocean is rich in oil and gas energy reserves, rare minerals and sea creatures. As such, it is regarded as a crucial object of research from a wide array of perspectives including science, the environment, and the military. In this context, underwater robotic systems have emerged as a fascinating research area and a promising industry tool as advanced technologies are being increasingly explored to design various subsystems. Significant research efforts have been undertaken to develop new concepts of underwater robotics, such as the development of new materials, advanced computing and sensory technology, and new theories, to overcome the many engineering challenges. This Special Issue aims to collate research papers that provide an overview of the recent progress in the investigation and practical applications of new underwater robotics concepts. Potential topics include, but are not limited to, the following: design method; control algorithm; topological optimization; hydrodynamic analysis; prognosis and health management; practical applications and experiments; reliability and safety; and future perspectives for underwater robotics.

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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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