



Advancements in New Concepts of Underwater Robotics

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Message from the Guest Editors

Dear Colleagues,

The ocean is rich in oil and gas energy reserves, rare minerals and sea creatures. As such, it is regarded as crucial object of research from a wide array of perspectives including scientific, environmental, as well as 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 to overcome the many engineering challenges engendered by the unstructured and hazardous ocean environment.

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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Message from the Editor-in-Chief

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