

Special Issue

Unmanned Underwater Vehicles (UUV)–Advances, Applications & Challenges

Message from the Guest Editors

Robotics has played a major role in subsea marine science, engineering, and operations since the introduction of Remotely Operated Vehicles (ROV). ROVs, which are tele-operated robotic systems are now the mainstream tool of subsea operations, enabling the performance of many tasks, from construction to inspection, repair and maintenance. Topics of this special issue will include, but are not limited to:

- Unmanned Underwater Vehicles (ROV, AUV, etc),
- Underwater Sensing, Multi-Modal Sensor Fusion, and Manipulation for UUVs
- Vehicle Guidance, Navigation, Path Planning in UUVs
- Control and Modeling for UUVs
- Cooperative Underwater Vehicle Manipulator Systems
- Networked UUVs
- Intelligence and Autonomy for Underwater Robotic Vehicles
- Machine Learning methods for Underwater Vehicles

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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