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

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Message from the Guest Editors

Dear Colleagues,

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

Deadline for manuscript submissions:

closed (31 December 2021)



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Special Issue



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Message from the Editor-in-Chief

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