



New Technologies in Autonomous Underwater Vehicles

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Message from the Guest Editor

Autonomous underwater vehicles (AUVs) have, in the last decades become the standard tool for many maritime applications. They are a safe, cost-effective and reliable alternative to many manned or remotely controlled systems. Typical applications have been seafloor mapping, pipeline inspection and mine counter measures. As the user experience has grown, the demand for improved autonomy, endurance, robustness and sensors has increased rapidly. Lately, there have also been a surge of new applications where AUVs have been used, such as under ice operations, search for sunken debris, sea wreck inspection and submarine surveillance.

To reach the AUVs potential for operating fully autonomously in extreme environments, while simultaneously collecting data with unprecedented resolution and quality, there is a strong demand for further novelty and customization within AUV technology.

This special issue aims to publish new research in the field of Autonomous Underwater Vehicles.





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Message from the Editor-in-Chief

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