Special Issue

Recent Advances in Underwater Vehicles

Message from the Guest Editor

Submarine robots are employed in various fields, expanding their operational range to deeper and more distant ocean areas. This progress has been made possible by the collaboration of various fields of technology, including design, sensing, manufacturing, communication, and navigation technologies. The issue welcomes all kinds of underwater vehicles, such as ROV, AUV, UG, and UAUV, and all the research and review topics associated with underwater vehicles, such as novel design, navigation and control, planning, and decisions. In this Special Issue, topics of interest for publication include, but are not limited to, the following:
Underwater robot;
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;
Unmanned aerial and underwater vehicle;
Ocean robotics;
Underwater detection;
Underwater robot vision;
CFD for underwater robots

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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