Special Issue

Intelligent Underwater Vehicles

Message from the Guest Editor

This Special Issue is intended to encourage innovation in the research and development of intelligent underwater vehicles, e.g. AUV, ROV and Glider, etc. Since marine research and exploration in recent decades have promoted the necessity of an intelligent underwater vehicle industry, intelligent underwater vehicles provide a new kind of marine research platform that are already well known as an asset in many fields of oceanographic and naval research. In addition, there are individual kinds of designs and control systems that need to be developed in order to improve the navigation performance of intelligent underwater vehicles. Therefore, this Special Issue will cover the following research areas: (a) development of prototypes, experiments conducted in the laboratory or sea trials; (b) navigation system; (c) control system; (d) dynamic positioning; (e) underwater inspection; (f) hydrodynamic analysis; (g) maneuvering performance; (h) machine learning.

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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