

Special Issue

Frontier Research in Unmanned Underwater Vehicles

Message from the Guest Editors

Unmanned Underwater Vehicles (UUVs) have been proposed for a large spectrum of applications, ranging from environmental monitoring, ocean floor mapping, search and rescue operations, tracking of multiple targets, surveillance and reconnaissance, etc. Frontier research in UUVs will enable new operations, such as executing very long endurance missions with minimal supervision in unknown, dynamic, and hostile environments. Many recent efforts towards improving UUV intelligence and persistence focus on improvements in artificial intelligence technologies, reduced hotel load, drag, efficient propulsion, advanced communication, navigation and guidance techniques, and overall system reliability. In this Special Issue, the frontier research in intelligence and persistent autonomy for UUVs is addressed, with particular emphasis on the design, kinematics, dynamics, sensing, communication, planning, navigation, control, and application of UUVs.

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Message from the Editor-in-Chief

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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