

Special Issue

Recent Research and New Challenges in Underwater Communications and Wireless Sensor Networks

Message from the Guest Editors

Currently, the interest in monitoring and developing ocean- and sea-related applications is very high, supported by a variety of funding programs around the world. This growing interest is reflected in this Special Issue, focused on underwater sensor nodes and networks as the main actors in future monitoring efforts, discoveries, and/or applications in ocean/sea environments.

The research areas may include (but are not limited to) the following:

Underwater communications, modems, protocols, and applications; Underwater acoustic (/wireless) sensor networks—topology, technology, and devices; Sensor networks for aquaculture, fish farming and monitoring; Security in underwater wireless networks; Autonomous underwater vehicles—packet routing and data collecting; Underwater positioning and location; Underwater surveillance and monitoring; Internet of Underwater Things (IoUT); Maritime infrastructures—control, monitoring, and robot operations; Marine energy harvesting—control/operation of generators and status monitoring; Databases and big data for underwater system control.

Guest Editors

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Prof. Dr. Alfonso Ariza Quintana

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About the Journal

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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