Special Issue

Underwater Communications and Sensor Networks

Message from the Guest Editors

The field of underwater communications and networking is growing rapidly thanks to the key role it plays in many military and commercial applications. Recently, advanced communication techniques using acoustic, electromagnetic and/or optical waves have emerged to address some of the fundamental and practical challenges in underwater wireless communications. The purpose of this Special Issue is to solicit original manuscripts on all aspects of underwater communications and networking, including (but not limited to):

- Underwater wireless communications, including acoustic, optical, RF, and magneto-inductive
- Advanced signal processing techniques for underwater communications
- Machine learning for adaptive underwater communications
- Multiple-access techniques
- Medium access control
- Link-layer reliability
- Multi-hop routing
- Underwater localization, positioning, and tracking in underwater
- Underwater wireless sensor networks
- Demonstration of field trials, experiments, and test-beds
- Energy harvesting for underwater sensor networks

Guest Editors

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Deadline for manuscript submissions

closed (30 November 2020)

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About the Journal

Message from the Editor-in-Chief

I encourage you to contribute research and comprehensive review articles for publication in Journal of Sensors and Actuator Networks (JSAN), an international, open access journal which provides an advanced forum for research findings in areas of sensors and actuators. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sensors and actuators and fostering applications of sensor-based measurements and effective actuator incorporation.

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