

## Special Issue

# Recent Trends and Advances in Underwater Sensor Networks

### Message from the Guest Editor

Dear colleagues, Nearly 71 percent of the Earth's surface is covered by water, mainly oceans (above 95 percent). However, the vast majority of this area is still unexplored. Underwater sensor networks (UWSNs) have recently attracted attention for the support of aquatic applications such as exploration for ocean resources, navigation surveillance, pollution monitoring, disaster prevention, intrusion detection, and military applications. UWSNs have rapidly grown over the last decade and are forecasted for even further growth over the coming years as there still exist many issues that are yet to be addressed. In this Special Issue, we aim at dealing with all aspects of UWSNs at various layers, including, but not limited to, the following areas:

- Autonomous underwater vehicles for mobile networks;
- Underwater acoustic communications;
- Underwater applications and experiments;
- Hardware for aquatic sensors and systems.
- Aquatic networked mobile systems;
- Performance modelling and analysis;
- New protocols and architectures;
- Topology control and routing;
- Data gathering using AUVs;
- Node deployment algorithms;
- Localization and tracking;
- MAC protocols

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### Guest Editor

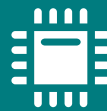
Dr. Alireza Shahrabi

School of Computing, Engineering and Built Environment, Glasgow Caledonian University, Glasgow G4 0BA, UK

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### Deadline for manuscript submissions

closed (30 April 2023)



## Sensors

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sensors@mdpi.com](mailto:sensors@mdpi.com)

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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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### Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro  
Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

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