Special Issue

Sensors and Underwater Robotics Network

Message from the Guest Editor

In the face of deeply exploiting marine resources, underwater sensors and underwater robotics networks have drawn great attention considering their flexibility and easy deployment. However, given the hostile underwater environment, it is critical to design efficient information collection because of limited power supply and constraint communication resources. As a promising solution for underwater exploration, underwater sensors and robotics usually equipped with diverse payloads for acoustic communications energy supply and information processing can be viewed as Internet of Underwater Things (IoUT) nodes relying on dedicated deployment and trajectory design. Therefore, based on these underwater units, we can significantly facilitate the energy efficiency and communication coverage of IoUT networks. The purpose of this Special Issue is to solicit original research papers on all aspects of IoUT, including but not limited to Underwater sensor deployment; Underwater robot/vehicle trajectory design; Machine-learning-aided IoUT networks; Underwater information fusion; Localization in underwater sensor networks; Underwater multisource sensor fusion and so on.

Guest Editor

Prof. Dr. Jingjing Wang
School of Cyber Science and Technology, Beihang University, Beijing 100191, China

Deadline for manuscript submissions

closed (15 November 2024)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/111907

Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

mdpi.com/journal/sensors

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/journal/sensors

MDPI

About the Journal

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.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)