Sensors and Underwater Robotics Network

Guest Editor:

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

Deadline for manuscript submissions:
closed (30 May 2023)

Message from the Guest Editor

Dear Colleagues,

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.

Special Issue

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

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.

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 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

Contact Us