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Sensors and Underwater Robotics Network

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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.



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Special Issue



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Message from the Editor-in-Chief

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