

Special Issue

Application of Sensing and Machine Learning to Underwater Acoustic

Message from the Guest Editors

The aim of this Special Issue is to promote and disseminate the latest research that focuses on machine learning applications in underwater acoustics. Papers that address applications of machine learning in all fields of underwater acoustics—including (but not limited to) active and passive sonar, imaging, tomography, communication, bioacoustics, source localization, seabed characterization, signal classification, propagation modeling, and environmental monitoring—are welcomed. A broad interpretation of what qualifies as “machine learning” is adopted for this Special Issue, which includes advanced signal processing and Bayesian approaches. This issue seeks to highlight how the rapid improvement of computational resources and development of new algorithms are advancing the development of robust machine learning approaches to solve significant challenges in the field of underwater acoustics.

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About the Journal

Message from the Editor-in-Chief

Journal of Marine Science and Engineering (JMSE, ISSN: 2077-1312) focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

Editor-in-Chief

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