

Special Issue

Underwater Wireless Communications: Recent Advances and Challenges

Message from the Guest Editors

The underwater information network plays a crucial role in resource protection, development, and utilization in the ocean. Due to the ocean's complex and changeable environment and different underwater technologies, the acquisition, storage, processing, and transmission of underwater information faces great challenges. It is necessary to put forth proposals for new system architecture, concepts, methods, and technologies for underwater communications and networks. Therefore, this Special Issue aims to present the latest research results, progress, and reviews in this field, and to provide new ideas and technologies to further the development of underwater information networks. The scope of this Special Issue includes, but is not limited to:

- Underwater acoustic communication;
- Underwater wireless optical communication;
- Underwater magnetic induction communication;
- Underwater wireless sensor networking;
- Underwater acoustic/wireless-optical hybrid networking;
- Underwater positioning and tracking;
- Physical topology, architecture and protocols for underwater information networks;
- Deep-learning-based underwater communication and networking.

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About the Journal

Message from the Editor-in-Chief

The *Journal of Marine Science and Engineering* (JMSE, ISSN 2077-1312) is an international peer-reviewed open access journal which provides an advanced forum for studies related to marine science and engineering. The journal aims to provide scholarly research on a range of topics, including ocean engineering, chemical oceanography, physical oceanography, marine biology and marine geosciences. We invite you to publish in our journal sharing your important research findings with the global ocean community.

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Prof. Dr. Charitha Pattiaratchi
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