



Underwater Acoustic Communications and Sensor Networks

Guest Editors:

Prof. Dr. Huifang Chen

Department of Information & Communication Engineering,
College of Information Science & Electronic Engineering, Zhejiang University (Yuquan Campus), Hangzhou 310027, China

Prof. Dr. Miguel-Angel Luque-Nieto

Telecommunications Engineering Department (IC), Universidad de Málaga, Boulevard de Louis Pasteur nº 35, 29010 Málaga, Spain

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Message from the Guest Editors

Dear Colleagues,

In recent decades, digital communication technology has developed rapidly, of which underwater communication is an important part. At present, acoustic communication is a very effective means of underwater long-distance information transmission. People expect to realize the transmission of text, language, pictures and other signals through underwater acoustic communication technology.

After years of development, underwater acoustic communication technology has developed to the stage of networking. The application of network technology (ad hoc) in radio to underwater acoustic communication networks can realize all-around and three-dimensional communication in the ocean (which can be combined with AUV, UUV and other unmanned equipment used in combination). However, there are still many problems to be overcome, such as complex underwater acoustic channels, high environmental noise, narrow channels, low carrier frequency, and other factors restricting the data transmission rate.

This Special Issue aims to collect high-quality research papers on underwater acoustic communications and networking systems.

Prof. Dr. Huifang Chen
Guest Editor





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Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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