

Special Issue

Underwater Optical and Acoustic Communications: Research and Challenges

Message from the Guest Editors

This Special Issue aims to collect high-quality research papers on underwater wireless communications and networking systems, based on acoustic and optical technology. The topics of interests include, but are not limited to, the following:

- Acoustic and optical channel modeling, estimation and prediction;
- Modulation, coding and detection techniques;
- Signal processing for channel equalization and interference mitigation;
- Multiple-Input Multiple-Output systems;
- Optical and acoustic transceiver design;
- Multiple access and routing protocols;
- Hybrid optical/acoustic networks;
- Internet of Underwater Things;
- Experimental results from field trials;
- Applications and case studies about underwater optical/acoustic communications.

Guest Editors

Dr. Andrea Petroni

Dr. Filippo Campagnaro

Dr. Nils Morozs

Prof. Dr. Paul Mitchell

Deadline for manuscript submissions

closed (15 April 2023)



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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

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