



## Underwater Communication and Networking Systems

Guest Editors:

**Prof. Dr. Ho-Shin Cho**

School of Electronics  
Engineering, Kyungpook National  
University, Daegu 41566, Korea

**Dr. Zheng Peng**

Department of Computer  
Science, NAC 8/203, City  
University of New York - City  
College and Graduate Center, 160  
Covent Avenue, New York, NY  
10031, USA

Deadline for manuscript  
submissions:

**29 July 2025**

### Message from the Guest Editors

The technology of underwater communications and networking can greatly enhance human's ability to study, monitor, explore, and protect the planet's precious aquatic environment. However, the unique characteristics under the surface of the sea present grand challenges to the development of wireless communication and networking systems.

In this Special Issue, we would like to invite domain experts to share the recent progress and original work in the research and implementation of underwater wireless communication and networking systems. The topics of interests include, but are not limited to, the following:

- Underwater wireless signals;
- Underwater channel modeling, estimation, and characterization;
- Underwater communication physical layer solutions;
- Underwater networking solutions;
- Underwater network and system architecture design;
- Underwater communication traffic engineering;
- Underwater communication supported by emerging IT technologies;
- Underwater cellular communication;
- Underwater robotics;
- Demonstration of experiment results;
- Applications of underwater communication and networking systems.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Flavio Canavero**

Department of Electronics and  
Telecommunications,  
Politecnico di Torino, 10129  
Torino, Italy

## 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.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [CAPus / SciFinder](#), [Inspec](#), [Ei Compendex](#) and [other databases](#).

**Journal Rank:** JCR - Q2 (Engineering, Electrical and Electronic) / CiteScore - Q1 (Electrical and Electronic Engineering)

## Contact Us

*Electronics* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/electronics](http://mdpi.com/journal/electronics)  
[electronics@mdpi.com](mailto:electronics@mdpi.com)  
[X@electronicsMDPI](https://twitter.com/electronicsMDPI)