

Special Issue

Multi-Scale Communications and Signal Processing

Message from the Guest Editors

This Special Issue comprises selected papers from the proceedings of The 8th International Conference on Computer and Communications Systems (ICCCS 2023). This conference offers an annual platform for international scientists, engineers, and researchers to present the latest research results, ideas, developments, and applications in communication fields. We welcome regular research and review articles on all aspects of communication. Potential topics include, but are not limited to, the following:

- Internet of BioNano Things (IoBNT) and biocyber interfaces
- Signal detection methods in IoBNT with molecular or terahertz communications
- Bio-compatible multiple access mechanisms
- Energy-efficient modulation schemes for molecular or terahertz communications
- Security and privacy in multi-scale Internet of Things
- Multi-scale underwater communication methods
- Upper layer design in IoBNT
- Analysis and modeling of molecular noise signal
- Channel modelling, characterization, estimation, and simulation
- Abnormality detection and localization for nano networks
- Coding theory
- Application for molecular or terahertz communications
- AI and big data for multi-scale communication systems

Guest Editors

Prof. Dr. Miaowen Wen

Dr. Yu Huang

Dr. Xuan Chen

Deadline for manuscript submissions

closed (15 July 2025)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/162448

Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

[mdpi.com/journal/
electronics](https://mdpi.com/journal/electronics)





Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



[mdpi.com/journal/
electronics](https://mdpi.com/journal/electronics)



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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus /
SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) /
CiteScore - Q1 (Electrical and Electronic Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 16.8 days after
submission; acceptance to publication is undertaken in 2.4
days (median values for papers published in this journal in
the first half of 2025).