

Special Issue

New Challenges in Wireless and Free Space Optical Communications

Message from the Guest Editor

In this Special Issue, we solicit state-of-the-art approaches and key technologies for the design, development, and deployment of future wireless and optical communication systems. **Topics include but are not limited to:**

- Security issues for high-speed interference-free multiuser wireless communications;
- Challenges in design and deployment of robust FSO systems;
- Advanced future perspectives in FSO;
- Low-latency, high-reliability optical communications for heterogeneous network;
- Interference issues for multiuser optical communications;
- Challenges in optical scattering communications;
- Terahertz communications;
- Holographic data transmission;
- Orbital angular momentum for wireless and optical communications;
- Efficient computing and low-complexity AI algorithms for optical communications;
- Machine learning, AI, Deep learning, ANN approaches for error-free communications;
- Indoor/outdoor visible light communications;
- Ultraviolet communications for indoor/outdoor applications;
- Underwater optical communications;
- Air-to-sea (or ground) communications.

Guest Editor

Prof. Dr. Yeon Ho Chung

Department of Information and Communications Engineering, Pukyong National University, Busan 48513, Republic of Korea

Deadline for manuscript submissions

closed (31 March 2022)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/38468

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 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).