

Special Issue

Optical Fiber and Optical Communication

Message from the Guest Editors

The scope of this Special Issue is concentrated on cutting-edge research in established areas of Optical Fiber and Optical Communication. The scope of this Special Issue includes, but is not limited to, the following topics:

- Multi-band (MB) optical transmission and switching.
- Optical Xhaul for 5G and beyond.
- Optical Communication exploiting photonic integrated circuits.
- Multi-mode/few-modes/multi-core optical spatial division multiplexed (SDM) networks.
- Optical network control, management, and orchestration, including SDN and NFV solutions.
- Slicing, service chaining, virtualization, and multi-tenancy techniques.
- Novel network telemetry and real-time monitoring technologies for optical communication.
- Impact of the hollow fiber revolution on optical network design.
- Energy efficiency.
- Optical sensing.
- Data-center networking.
- Open and disaggregated optical networks.
- Free Space Optics.
- Natural disaster management using optical communication.
- Network telemetry real-time monitoring.
- Visible Light Communications.

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Deadline for manuscript submissions

closed (15 August 2024)



Electronics

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CiteScore 6.1



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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

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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).