

Special Issue

Fiber-Optic Network for Wireless Communications

Message from the Guest Editor

The deployment of mobile networks, and especially the introduction of broadband internet connectivity since 3G networks, has revolutionized our information society. Immediate (low latency) and extensive access to data (>100Mb/sec going to 1Gb/sec) has made many aspects of our life-styles possible. Underlying the wireless radio systems offering this connectivity is a vast and complex optical fiber network. As more and more base stations are being deployed to offer coverage and quality of service for wireless networks, the fiber optic network supporting them is also constantly evolving. In this Special Issue of *Electronics*, on *Fiber-Optic Network for Wireless Communications*, we welcome paper covering innovation in the design, modelling, deployment and performance of fiber optic networks as the backbone for wireless communications. Research areas may include (but not limited to) the following:

- Optical switching and routing.
- Novel fibers and their uses.
- Front and back haul optical access.
- Convergence of telecomm and wireless networks.
- Novel devices for generation and detection of RoF and D-Rof.
- Fiber-optic network architectures for wireless communications.

Guest Editor

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Deadline for manuscript submissions

closed (15 April 2024)



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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 guestedited 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 16.4 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).