

Special Issue

Advances in Optical Channel Waveguides

Message from the Guest Editors

Topics for the special issue on Advances in Optical Channel Waveguides of Electronics include but are not limited to new materials, methods and applications in the following areas:

- Theory, Modeling, and Design

Guided-wave optics, Beam optics, Gradient-index optics, Diffractive optics, Near-field optics, Nonlinear optics, Plasmonics

- Materials and Fabrication

Polymers, Semiconductors, Crystals, Dielectric materials. Micro- and nano-fabrication, Nano-imprint, Laser processing, 3D printing, Optical manipulation, etc.

- Passive Devices

Optical planar and channel waveguides, Splitters, Branching and mixing components, Microlenses, Multi/demultiplexers, Add-drop multiplexers.

- Active Devices

Optical amplifiers, Lasers, Photo detectors, Optical imaging sensors, Solar cells, Energy harvesting devices, Switches, Modulators, Tunable devices, Wavelength converters etc.

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Deadline for manuscript submissions

closed (30 September 2022)



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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).