Special Issue

Recent Advances in Integrated Photonic Devices

Message from the Guest Editor

Integrated photonic devices have been used in many application areas, such as optical communications/interconnects, optical networking, optical/quantum computing, LiDAR, and optical sensing. However, the performance of integrated photonic devices still needs to be improved for large-scale integration and wide applications. The challenges relate to material, design, fabrication, and integration technologies. This Special Issue aims to cover various aspects of the recent advances in integrated photonic devices, including but not limited to:

- III-V and compound semiconductor devices;
- Silicon and other group IV photonic devices;
- LiNbO3 and other Pockels devices;
- Dielectric and polymer devices;
- Nanostructured photonic devices;
- Device fabrication and characterization;
- Integrated photonics application;
- Computational photonics technology;
- Nonlinear and quantum photonics;
- New materials for integrated photonics.

Guest Editor

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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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