

Special Issue

Photonic Integrated Circuits: Design, Applications and Future Challenges

Message from the Guest Editor

Photonic integrated circuit (PIC) technologies have developed tremendously in recent years. The mainstream technologies (InP, SOI and SiN) have reached a phase in which they have become generic platforms. This entails access to the technology for other users (e.g., SMEs, smaller universities) that are not able to develop PIC technology by themselves. Furthermore, generic technologies and pre-defined libraries of integrated photonic components have opened up new ways of PIC development by assembling these existing components in more sophisticated circuits offering new functionalities (in a similar way to electronic integrated circuits, which are assembled from already-developed transistors).

Guest Editor

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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.

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