Photonic Integrated Circuits: Design, Applications and Future Challenges

Guest Editor:

Dr. Andrzej Kaźmierczak
Institute of Microelectronics and Optoelectronics, Warsaw University of Technology, Koszykowa 75, 00-662 Warsaw, Poland

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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).

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Editor-in-Chief

Prof. Dr. Flavio Canavero
Department of Electronics and
Telecommunications,
Politecnico di Torino, 10129
Torino, Italy

Message from the Editor-in-Chief

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