Special Issue

Advanced Algorithms Enabled Intelligent Optical Interconnect

Message from the Guest Editors

The ever-increasing bandwidth requirement in data centers will demand 100 and 200 Gbps per lane technologies to provide high energy and cost-efficient data connectivity. Advanced algorithms in coding, modulation, and equalization have enabled new technological routes for optical interconnects industry. However, there will also be various challenges associated with the use of algorithms in the interconnect system—for instance, performance stability, real-time processing capability, and codesign of optical active devices and the optimization approach. This Special Issue will cover all advanced algorithms that are utilized in high-performance optical interconnect for the design of communication, networks, and applications.

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You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

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