



Advanced Algorithms Enabled Intelligent Optical Interconnect

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Message from the Guest Editors

Dear Colleagues,

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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