



Optical Technologies for Data Center Networks

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Deadline for manuscript
submissions:

closed (31 August 2021)

Message from the Guest Editors

In this issue, we would like to cover photonic-based technologies targeting for datacenter applications and want to invite researchers to submit their research on the following topics:

1. Silicon photonics for datacenter interconnects;
2. Co-packaged optics: architecture design;
3. Optical interconnects and signal processing for data centers;
4. Optical switches;
5. Transceivers designed in silicon photonic foundry;
6. Monolithically integrated light sources and optical amplifiers: including, but not limited to, vertical cavity surface emitting lasers (VCSELs), direct modulation lasers (DMLs), mode locked lasers (MLLs), semiconductor optical amplifiers (SOAs), tunable single wavelength lasers, laser arrays for WDM application, etc.;
7. High-speed modulators;
8. Photonics-enabled network optimization for datacenter and HPC systems.

