Special Issue

Optical Technologies for Data Center Networks

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:

- Silicon photonics for datacenter interconnects;
- Co-packaged optics: architecture design;
- Optical interconnects and signal processing for data centers;
- Optical switches;
- Transceivers designed in silicon photonic foundry;
- 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.;
- High-speed modulators;
- Photonics-enabled network optimization for datacenter and HPC systems.

Guest Editors

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Deadline for manuscript submissions

closed (31 August 2021)

About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

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Author Benefits

High Visibility:
indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:
JCR - Q2 (Optics)

Rapid Publication:
manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.8 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2024).

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