# **Special Issue**

# Latest Advances in Software Defined Networking (SDN) for Optical Networks

### Message from the Guest Editors

Software-defined networking (SDN) has been in the market for more than ten years with great technological success, allowing network softwarization and becoming a common tool. The scope of this Special Issue includes but is not limited to the following topics:

- Evaluation of current SDN controllers for disaggregated optical networks;
- Cloud-native solutions for SDN control and management of optical networks;
- SDN control of multi-layer network, e.g., optical+IP, packet-optical;
- Latest evolution of NothBound interfaces for SDN Controllers, such as ONF Transport API, IETF TEAS models;
- SDN-based security for optical networks;
- SDN-based machine learning algorithms;
- SDN-based optical network automation;
- Integration of SDN-controlled optical networks in beyond 5G networks.

Submissions to the Special Issue should be prepared according to the MDPI *Photonics* journal's usual standards and will undergo the normal peer-review process.

#### **Guest Editors**

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### Deadline for manuscript submissions

closed (1 December 2021)



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## About the Journal

### Message from the Editor-in-Chief

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 peerreviewed 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.

### **Editor-in-Chief**

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