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

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Deadline for manuscript submissions:
closed (1 December 2021)

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.

Special Issue