

# Special Issue

## Software-Defined Optical Network

### Message from the Guest Editors

This Special Issue aims to reflect recent developments in software-defined networks in optical and transport networks, and to present new advances in software-defined networks that enable the development of future SDON, Cloud datacenter, and IoT networks. This Special Issue will feature original, unpublished, and groundbreaking research focusing on a broad range of problems associated with SDN/Optical networks. This issue is related to optical communication and modern technologies/applications. Potential submission topics include (but are not limited to) any of the following areas:

- SDN control-plane architectures for optical and transport networks;
- SDN and NFV network hybrid architecture;
- SDN/NFV solutions for advanced network monitoring and management;
- Integration of SDN in hybrid Fixed Mobile Converge networks;
- SDN network performance, evaluation, and benchmarks in optical networks;
- SDN-based intelligent networks in optical networks;
- SDN energy-saving techniques in optical networks;
- SDN-based Emerging Multimedia Streaming Services;
- SDN-based security for optical networks;
- Machine learning and deep learning applications in SDN-based optical networks.

### Guest Editors

Prof. Dr. I-Shyan Hwang

Dr. Andrew Tanny Liem

Dr. Carlos Natalino

### Deadline for manuscript submissions

closed (31 July 2022)



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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 peer-reviewed 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.

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### Editor-in-Chief

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