

# Special Issue

## Photonics for Emerging Applications in Communication and Sensing

### Message from the Guest Editors

Photonics play an important role as a key enabler in emerging and promising applications in communication and sensing, such as datacenters, automotive driving, 5G wireless networks, cloud computing, internet of things (IoT), and virtual reality. This Special Issue focuses on recent advances and future challenges in photonics technologies for enabling and supporting these emerging applications, covering optical fibers, photonic devices and systems, and signal processing techniques. Topics of interest include but are not limited to the following areas:

- Silicon passive and active devices for data communication, 5G, sensing, or imaging;
- Optical fiber subsystems for communication, detection, and sensing;
- Photonic signal processing based on nonlinear optics for optical networks;
- Digital signal processing for optical transmission systems.

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### Guest Editors

Dr. Guo-Wei Lu

Prof. Dr. Zhenzhou Cheng

Dr. Ting-Hui Xiao

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### Deadline for manuscript submissions

closed (31 August 2022)



## Photonics

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## About the Journal

### Message from the Editor-in-Chief

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#### Editor-in-Chief

Prof. Dr. Nelson Tansu  
School of Electrical and Electronic Engineering (EEE), The University of  
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indexed within Scopus, SCIE (Web of Science), Inspec,  
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##### Rapid Publication:

manuscripts are peer-reviewed and a first decision is  
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