

# Special Issue

## Advances in Visible Light Communication

### Message from the Guest Editors

In the past two decades, we have all witnessed a significantly growing interest in the development of visible light communication (VLC) technologies. Thanks to the invention of semiconductor-based light sources, high-transmission bandwidths can be achieved using low-complexity intensity modulation. The use of state-of-the-art photodetectors and advanced optics at the receiver also contributes to the development of VLC systems. Furthermore, smart signal processing algorithms and multiplexing techniques have been widely investigated. We hope all of these emerging techniques can make VLC a strong candidate for use in the next-generation wireless communication network. This Special Issue aims to publish high-quality papers which study the emerging important technologies in VLC. Research areas may include (but are not limited to) the following topics:

- Transmitter and receiver technologies for VLC;
- Signal modulation/demodulation;
- Advanced signal processing in VLC;
- VLC experiments;
- Image sensor communications;
- Eye safety for OWC/VLC;
- Underwater VLC;
- Hybrid LiFi and WiFi networks;
- Optical OFDM modulation;

We look forward to receiving your contributions.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 May 2023)



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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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