Special Issue

Advancements in Wireless Optical Communication: Integrating Visible Light and Beyond

Message from the Guest Editors

In recent years, significant progress has been achieved in various key technologies in the field of visible light communications. From an application perspective, visible light communication technology is considered one of the key technologies of 6G. It is a vital technology in the field of underwater short-range and high-speed communication and has multiple advantages in positioning. This Special Issue invites manuscripts that introduce recent advancements in wireless optical communications. All theoretical, numerical, and experimental papers are accepted. Topics can include, but are not limited to, the following:

- Breakthroughs in light sources and detectors; Preemphasis and post-equalization technologies;
- Visible light communication technologies;
- Underwater optical wireless communications;
- Li-Fi
- Laser-based wireless optical communications;
- Visible light positioning:
- Modulation and demodulation technologies;
- Photon counting detection;
- Experiment demonstrations;
- Optical reconfigurable intelligent surface (ORIS);
- Vehicle-to-vehicle visible light communications:
- OWC between drones.

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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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