



Advancements in Wireless Optical Communication: Integrating Visible Light and Beyond

Guest Editors:

Prof. Dr. Minglun Zhang

State Key Laboratory of
Information Photonics and
Optical Communications, Beijing
University of Posts and
Telecommunications, School of
Electronic Engineering, Beijing
University of Posts and
Telecommunications, Beijing,
China

Dr. Hongyu Zhou

State Key Laboratory of
Information Photonics and
Optical Communications, Beijing
University of Posts and
Telecommunications (BUPT),
Beijing, China

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Message from the Guest Editors

Dear Colleagues,

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; Pre-emphasis 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.

