

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; 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.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

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Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec,
CAPlus / SciFinder, and other databases.

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Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 14.9 days after
submission; acceptance to publication is undertaken in 1.9
days (median values for papers published in this journal in
the second half of 2024).