

Special Issue

Optical Wireless Communications and Applications

Message from the Guest Editors

This Special Issue intends to showcase the developments related to OWC with both theoretical and practical contributions. We cordially invite original contributions in, but not limited to, the following topical areas:

- Optical wireless communication (OWC);
- Free-space-optical (FSO) communication;
- Ultraviolet communication (UVC);
- Visible-light communication (VLC);
- Underwater OWC networks and systems;
- Satellite/vehicular FSO networks;
- Space-air-ground-integrated FSO networks;
- 5G OWC networks and beyond;
- OWC for the Internet of Things (IoT);
- Applications of artificial intelligence/machine learning (AIML) for OWC networks;
- Quantum key distribution (QKD);
- Hybrid Wi-Fi/mm wave/THz/OWC links;
- Intelligent reflecting surface (IRS)-aided OWC;
- Energy-efficient OWC networks;
- OWC network security;
- OWC testbeds and experiments;
- Cross-layer design for OWC networks;
- Error-control protocol design for OWC networks;
- Coding, modulation, and signal processing for OWC;
- OFDM and MIMO for OWC;
- OWC channel modeling;
- Energy harvesting for OWC;
- UAV-based optical wireless communication.

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Deadline for manuscript submissions

closed (10 June 2023)



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About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

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Author Benefits

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manuscripts are peer-reviewed and a first decision is
provided to authors approximately 14.8 days after
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days (median values for papers published in this journal in
the first half of 2024).