

## Special Issue

# Advanced Technologies in Optical Wireless Communications—2nd Edition

### Message from the Guest Editors

Optical wireless communication (OWC) has emerged as a compelling solution to meet the increasing global demand for high-capacity, low-latency, and spectrum-efficient communication technologies. With the use of the unlicensed optical spectrum, OWC enables ultra-high-speed links across diverse environments, including indoor networks, underwater communication, vehicular systems, mobile access, and space communication. Recent advances in device technologies, modulation techniques, photonic signal processing, and AI-driven optimization are rapidly expanding the boundaries of achievable performance, making OWC a key technology for beyond-5G/6G communication systems. This Special Issue invites original research articles, reviews, and perspective papers that address theoretical, experimental, and system-level advances in all areas of OWC. Contributions that demonstrate new enabling devices, architectures, algorithms, and applications are especially welcome. We look forward to receiving your contributions.

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### Guest Editors

Dr. Cuiwei He

Dr. Chengwei Fang

Dr. Ke Wang

Dr. Chen Chen

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### Deadline for manuscript submissions

1 June 2026



## Photonics

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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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### Editor-in-Chief

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