Special Issue

Laser Communication Systems and Related Technologies

Message from the Guest Editors

This Special Issue aims to explore cutting-edge advancements and interdisciplinary innovations in laser-based communication technologies, focusing on advancing the critical technologies that enable robust and efficient laser communication systems. In this Special Issue, both original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Fast Scanning, Acquisition, and Beam Alignment Technologies;
- Precision Pointing, Tracking, and Vibration Mitigation;
- Miniaturized and Integrated Laser Communication Systems;
- Atmospheric turbulence mitigation;
- Machine learning-enhanced disturbance suppression;
- Standardization and Interoperability in laser communication systems;
- Low-Cost Innovations for Scalable Deployment;
- End-to-End System Optimization and Field Validation;
- Emerging Applications and Cross-Disciplinary Synergies.

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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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