

Special Issue

Next-Generation Optical Wireless Communication: Emerging Research and Opportunities

Message from the Guest Editor

Over the last few decades, research on optical wireless communication (OWC) has been ongoing due to its great potential in providing faster data rates, larger capacity, and higher reliability. However, there are still some existing problems that should be further addressed in next-generation OWC, such as providing high-quality service for multiple users, improving robustness, adaptability, and the intelligence of systems, among other things. The aim of the Special Issue of Electronics is to attract original and novel articles in the field of next-generation OWC. Authors are invited to submit manuscripts within the scope of the topics including, but are not limited to, the following areas:

- Optical system structure design and performance analysis;
- Optical network protocols and architectures;
- Optical links reliability and security;
- Free space optical wireless communication;
- Underwater optical wireless communication/Visible light communication;
- Sensing and optical wireless communication convergence;
- Radio frequency/optical wireless communication hybrid systems and networks;
- Novel materials and devices for next-generation optical wireless communication.

Guest Editor

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Deadline for manuscript submissions

closed (15 January 2025)



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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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