

Special Issue

Emerging Application of Optical Wireless Communication Technologies in 6G Communication

Message from the Guest Editors

In this Special Issue, we seek to explore emerging applications and technologies which will be suitable for beyond 5G and 6G and rely on OWC technology. We wish this Special Issue to offer an early platform to showcase and stimulate a lively debate on the 6G applications that OWC could support. We solicit and encourage researchers to present papers with original and recent developments covering various topics of interest that include, but are not limited to, the following:

- OWC system and network architectures for 6G
- Spectrum and channel modeling for 5G and towards 6G
- Multi-level machine learning pipelines in 5G and towards 6G
- Massive MIMO and beamforming techniques for 6G systems
- 6G satellite communications
- 5G and beyond towards 6G testbeds and experimentation
- Security, secrecy and privacy schemes for 5G and towards 6G
- Distributed computing for 5G and towards 6G
- Quantum optical networks and quantum machine learning in 6G
- Mobile AI applications in 6G

https://www.mdpi.com/journal/electronics/special_issues/OWC_in_6G

Guest Editors

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Deadline for manuscript submissions

closed (1 July 2022)



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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.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).