

Special Issue

Satellite Networks

Message from the Guest Editors

This Special Issue invites readers to submit articles discussing the latest developments in satellite network architecture and strategies for optimizing communication performance, including the application of artificial intelligence technology in satellite communication to improve network performance, manage interference, and support efficient spectrum utilization. We also welcome papers demonstrating the latest breakthroughs and applications in dynamic beam management, delay-sensitive business communication, and satellite-ground communication systems. Topics of interests include, but are not limited to, the following:

- Advanced satellite network architecture, including LEO/MEO/GEO constellations and hybrid satellite-ground systems;
- Technology for optimizing satellite communication networks driven by Artificial Intelligence;
- Low-latency and ultra-reliable communication technology for satellite systems;
- Dynamic beam management technology in satellite networks;
- Joint learning schemes for distributed satellite-earth communication systems;
- Efficient resource utilization and interference mitigation technology for ground-satellite communication.

Guest Editors

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Deadline for manuscript submissions

30 June 2026



Electronics

an Open Access Journal
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Impact Factor 2.6
CiteScore 6.1



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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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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