

Special Issue

Key Technologies of Satellite Communications and Networks

Message from the Guest Editors

The rapid development of satellite communication technologies has also led to significant advancements in the fields of navigation, Earth observation, and space exploration. In this context, we are launching a call for papers to bring together experts, researchers, and stakeholders from academia and industry to share their findings, ideas, and insights on the latest trends, challenges, and potential applications of satellite communication technologies. This call for papers aims to cover a broad range of topics related to satellite communication technologies, including, but not limited to:

- Design and optimization of satellite communication systems.
- Advanced modulation and coding techniques for satellite communications.
- Antenna design innovations for satellite communication systems.
- Advanced architectures and technologies for the ground station.
- Security aspects and challenges in satellite communication.
- Applications of satellite communication technologies in IoT and 5G networks.
- Satellite communication in disaster and emergency management.

Guest Editors

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Dr. Neng Ye

Deadline for manuscript submissions

closed (15 February 2024)



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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).