

Special Issue

Advances in Satellite/UAV Communications

Message from the Guest Editors

This Special Issue aims to explore the latest innovative technologies and methodologies, including but not limited to efficient resource allocation, adaptive modulation schemes, physical-layer security, and AI-driven optimization techniques in the area of satellite/UAV communications and networking. Contributions addressing integration with emerging 6G paradigms such as integrated sensing and communication (ISAC), non-terrestrial networks (NTNs), and edge intelligence are particularly encouraged. Topics of interest include, but are not limited to, the following:

- Satellite/UAV communication network architecture;
- Resource allocation and network control;
- Advanced channel coding/modulation schemes;
- Integrated sensing and communication;
- Physical-layer security for satellite/UAV communications;
- Grant-free massive/random access techniques;
- AI-empowered solutions for satellite/UAV network orchestration;
- Mobility and interference management;
- Routing/MAC protocols for satellite/UAV networks;
- Edge computing and service provisioning.

Guest Editors

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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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