

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

Dr. Zhao Chen

Dr. Ji Wang

Dr. Zhe Ji

Deadline for manuscript submissions

15 January 2026



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/241815

Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

[mdpi.com/journal/
electronics](https://mdpi.com/journal/electronics)





Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



[mdpi.com/journal/
electronics](https://mdpi.com/journal/electronics)



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

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPus / SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) /
CiteScore - Q1 (Electrical and Electronic Engineering)

Rapid Publication:

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).