

## Special Issue

# Integration of Communication, Sensing, and Computational Intelligence in Aerospace Communication Scenarios

### Message from the Guest Editors

Areas of focus encompass, but are not limited to, the following:

- Integrated Sensing and Communication (ISAC) Air Interface Technology: Includes the design of novel integrated sensing and communication waveforms, AI-based intelligent beam management, and frame structure designs supporting time-division, frequency-division, and other multi-mode sensing schemes to optimize resource allocation.
- Integration of Communication and Computing Technologies: Encompasses mobile edge computing, unified management and scheduling of multi-level computing resources, known as the Computing Power Network, and the deployment of lightweight AI algorithms on edge devices as well as satellite/airborne equipment.
- Integrated Space–Air–Ground Network Architecture: Involves the in-depth integration of satellite networks (GEO/MEO/LEO), high-altitude platforms and terrestrial networks. Key research areas include heterogeneous network integration management, intelligent handover, onboard processing and routing.

### Guest Editors

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Prof. Dr. Rugui Yao

### Deadline for manuscript submissions

15 July 2026



## Electronics

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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.

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### Editor-in-Chief

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