

## Special Issue

# Recent Advances in Radio Resource Management for Future Cellular Networks

### Message from the Guest Editors

This Special Issue aims to present state-of-the-art research in RRM for 6G and beyond, covering theoretical developments, algorithmic innovations, and architectural solutions. Topics of interest include, but are not limited to, the following:

- AI and machine learning techniques for intelligent RRM.
- Novel theoretical frameworks, including numerical optimization and game-theoretic approaches to RRM.
- RRM strategies tailored to emerging technologies such as massive-MIMO, OTFS, and Rate-Splitting Multiple Access (RSMA).
- Spectrum sharing and cooperative RRM across licensed and unlicensed bands.
- RRM in diverse 6G scenarios, including integrated space-air-ground-sea networks, massive IoT, reconfigurable intelligent surfaces (RISs), and Integrated Sensing and Communication (ISAC).
- RRM solutions supporting new application paradigms such as federated learning, holographic communication, AI-native networking, digital twins, and the metaverse.
- Green RRM techniques to enhance energy efficiency and support sustainable 6G deployments.

### Guest Editors

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### Deadline for manuscript submissions

20 January 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 guest-edited by leading experts in selected topics of interest.

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