Special Issue

Toward a New Era of Radio Access Technologies for 5G and Beyond

Message from the Guest Editor

The modern radio access technologies have the potential to make their place in the next generation networks, and research activity in this area is at a peak level. Considering the importance of the research question to be investigated in this SI, it has excellent potential to gain recognition from the research community around the globe. Moreover, this SI is expected to provide substantial performance gains, justifying its importance and contribution towards future generation networks. The topics in this SI include but are not limited to:

- Advanced multiple access techniques for 5G and beyond;
- Massive multi-antenna transmission and intelligent surfaces;
- Massive connectivity, massive IoTs, and mMTC;
- Smart and real-time systems for industrial IoT;
- Narrow-band transmissions and mmWave;
- Channel modeling, antenna design, modulation, and coding;
- Energy efficiency and green communication for 5G technologies;
- Spectral efficiency, capacity, and QoS analysis for 5G systems;
- Deep learning techniques for 5G communication;
- Advanced optimization and game theory techniques for 5G systems;
- Resource management techniques for wireless networks;
- Physical layer security for 5G systems.

Guest Editor

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Deadline for manuscript submissions

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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).

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