

Special Issue

Emerging Innovative Technologies in 6G Telecommunication: Challenges and Solutions

Message from the Guest Editors

6G is expected to be the next major leap in wireless technology, pushing the boundaries of connectivity and enabling innovative applications beyond the capabilities of 5G. In line with these advancements, we are pleased to announce a call for papers for this Special Issue on “Emerging Innovative Technologies in Telecommunication: Challenges and Solutions.” Papers submitted to this Special Issue may cover various topics related to emerging innovative technologies in telecommunication, including but not limited to:

- Novel communication and network architectures for 6G;
- Integration of emerging technologies, such as Internet of Things (IoT), edge computing, or block chain, with telecommunication systems;
- Artificial intelligence and machine learning applications in telecommunication;
- Positioning technologies in telecommunication;
- Security and privacy challenges and solutions in next-generation telecommunication networks;
- Network optimization and resource management techniques for 6G;
- Spectrum-efficient technologies in telecommunication;
- Sustainable and energy-efficient telecommunication technologies.

Guest Editors

Prof. Dr. Seung-Hoon Hwang
Prof. Dr. Oh-Soon Shin
Dr. Junsu Kim

Deadline for manuscript submissions

closed (15 February 2025)



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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.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).