

Special Issue

Advances in 6G Wireless Communication Technologies

Message from the Guest Editors

This Special Issue will encapsulate recent research and emerging ideas shaping 6G wireless communication systems. It will focus on the technologies, architectures, and challenges expected to define next-generation networks.

Topics of interest include but are not limited to the following:

Terahertz (THz) and millimeter-wave communications for ultra-high data rates.

Reconfigurable intelligent surfaces (RISs) and massive MIMO for enhanced coverage and spectral efficiency.

Artificial intelligence and machine learning for intelligent network management and resource allocation.

Integrated sensing and communication for increased data transmission with environmental awareness.

Network architectures for 6G networks.

Security, energy efficiency, and standardization challenges for large-scale deployment.

Overall, this Special Issue aims to highlight advances that will enable faster, smarter, and more sustainable 6G networks, paving the way for future applications like holographic communication, autonomous systems, and intelligent environments.

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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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