

## Special Issue

# Sixth-Generation Wireless Communications: Theory and Applications

### Message from the Guest Editors

Research on sixth-generation (6G) wireless communication networks began in 2020. In June 2023, the international telecommunication union (ITU) presented some usage scenarios, including immersive communication, massive communication, hyper reliable and low-latency communication, ubiquitous connectivity, integrated AI and communication, and integrated sensing and communication (ISAC). Various potential key technologies have been proposed to enhance the capabilities of 6G, such as space–air–ground–sea integrated networks, THz and visible light communication (VLC), reconfigurable intelligent surface (RIS), ISAC, AI, and semantic communication. This Special Issue aims to receive papers covering the latest 6G developments from theory to application. The topics of interest include, but are not limited to, the following:

- High-frequency mmWave/THz/VLC band communications;
- RIS, ISAC, AI, and semantic communication;
- Advanced antenna technologies like massive MIMO and holographic MIMO;
- Channel measurements and modeling;
- Channel estimation and tracking;
- 6G communication system performance evaluation.

### Guest Editors

Dr. Jie Huang

Dr. Yu Liu

Dr. Ji Bian

### Deadline for manuscript submissions

closed (15 August 2024)



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### 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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### Editor-in-Chief

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