



Recent Advances in Signal Processing and Wireless Communications towards 6G

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Message from the Guest Editors

As of June 2023, ITU-R WP5D has agreed on the six major use scenarios of 6G: immersive communication, integrated AI and communication, hyper reliable and low-latency communication, ubiquitous connectivity, massive communication, integrated sensing and communication (ISAC). Actually, 6G aims to create a digitally connected, sustainable and smart world that benefits all. Integrated sensing and communication, artificial intelligence (AI)-based wireless communication and network, space-ground-integrated network, short packet communication and reduced capacity are some emerging technologies for 6G.

This Special Issue therefore aims to showcase the recent advances in signal processing and wireless communications—from technical aspects to application aspects—as a result of new 6G research. Potential topics include but are not limited to:

- Advanced communication architecture design;
- Massive and holographic MIMO;
- Reconfigurable intelligent surfaces;
- Information-centric networking;
- Channel measurements and modeling;
- UAV communication and networking;
- C-V2X communication and networking;
- Satellite communication and networking.





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Message from the Editor-in-Chief

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