

Special Issue

Recent Advances in Signal Processing and Wireless Communications Towards 6G

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.

Guest Editors

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Deadline for manuscript submissions

closed (20 January 2025)



Sensors

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Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

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