# Special Issue

# Recent Advances in Sensor Array Signal Processing and Its Applications in Future Communication and Radar

**Message from the Guest Editors**

This Special Issue aims to provide a comprehensive overview of the latest developments in sensor array signal processing and their applications. We expect distinguished submissions to highlight sparse array designs, array signal processing algorithms, and their diverse applications in communication and radar systems. Potential topics include but are not limited to the following:

- Sparse array design for high performance;
- Multi-dimensional array signal processing;
- Array calibration and compensation methods;
- Array signal processing methods with sparse antenna arrays;
- Array signal processing for wireless communications;
- Aperture extension techniques for sparse MIMO radar;
- Sparse MIMO radar design and direction finding algorithms;
- Tracking moving sources;
- Performance bounds on localization and tracking;
- Massive MIMO for 5G/6G

**Guest Editors**

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Prof. Dr. Jianfeng Li

Dr. Wei Liu

**Deadline for manuscript submissions**

closed (30 June 2025)

**Sensors**

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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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