

## Special Issue

# Sensor Networks and Communication with AI

### Message from the Guest Editors

With the growing development of artificial intelligence, its application in solving practical problems in sensor networks and communication has become a popular topic. Using AI technologies may offer new opportunities to improve the accuracy, efficiency, and usability of sensing, communication, networking, etc., with sensors. This Special Issue therefore aims to collect original research and review articles on the recent advances, technologies, solutions, and applications, as well as new challenges, in the field of sensor networks and communication with AI. Potential topics include, but are not limited to, the following:

- Applications of machine learning to mobile/wireless research;
- Large language models (LLMs) and generative AI for mobile and wireless systems;
- Mobile web, video, virtual reality, augmented reality and other applications;
- Novel applications of wireless signals;
- Vehicular, robotic and drone-based networking;
- Ubiquitous computing and mobile human–computer interaction;
- Underwater networking and sensing;
- Wireless localization and tracking;
- Reducing the carbon footprint of wireless networks and mobile devices.

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### Guest Editors

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### Deadline for manuscript submissions

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## Sensors

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## About the Journal

### 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.

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