

Special Issue

Recent Trends and Advances in the Integration of Communication and Sensing

Message from the Guest Editors

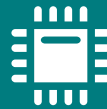
With the rapid convergence of communication and sensing technologies, integrated communication and sensing systems have shown broad application potential in intelligent networks and the Internet of Things. To advance theoretical innovation and technological progress in this field, this Special Issue invites authors to submit original research papers on integrated communication and sensing systems. Topics of interest include, but are not limited to, fundamental information-theoretic limits; advanced signal processing algorithms; spectrum sharing and resource management; security and privacy issues; system architectures and hardware implementations; AI-driven integration techniques; application scenarios such as autonomous driving, smart cities, and industrial IoT; and emerging standards and protocol developments. We welcome high-quality contributions from the fields of communications, signal processing, artificial intelligence, and related disciplines to foster interdisciplinary exchange and collaboration and promote the development and application of integrated communication and sensing technologies.

Guest Editors

Dr. Xingwang Li
Dr. Gaojian Huang
Prof. Dr. Chunguo Li

Deadline for manuscript submissions

closed (31 May 2026)



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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.

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