

Special Issue

Integrated Sensing and Communication in IoT Applications

Message from the Guest Editors

This Special Issue invites research that explores ISAC advancements, especially as they relate to the enhanced connectivity and intelligence expected in the upcoming 5G and 6G eras. Critical to the deployment of ISAC systems are challenges such as interference management, real-time signal processing, and advanced algorithms that can adapt to dynamic environments. Furthermore, the interplay between humans and IoT signals provides valuable insights, allowing us to interpret activities and detect environmental changes through pattern analysis. We welcome contributions addressing these technical hurdles, alongside discussions on security and privacy, to advance ISAC applications in real-world IoT contexts.

Guest Editors

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Deadline for manuscript submissions

closed (30 September 2025)



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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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