

Special Issue

Advancements and Challenges in IoT Communication Technologies for a Connected World

Message from the Guest Editors

This SI seeks contributions at the intersection of IoT communication technologies and their applications in creating a more interconnected society. It will focus on critical areas such as the integration of sensors into next-generation communication systems, new communication paradigms, and technologies such as IoD, IIoT, M2M communications, RFID, and zero-power communications, and their applications in smart agriculture and smart cities. Contributions should explore, among other topics, progress in RFID for efficient data gathering, the adoption of zero-power technologies to prolong the lifespan of IoT components, and the exploitation of IoD and IIoT to enhance the operational efficiency and communication system performance. For this SI, we encourage submissions of original research articles, comprehensive reviews, and case studies that showcase novel approaches to overcoming the limitations of current IoT communication technologies, with a particular emphasis on their practical implications in smart agriculture and smart city development. For detailed information, please visit [here](#).

Guest Editors

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Deadline for manuscript submissions

closed (10 June 2025)



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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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