

Special Issue

Collaborative Intelligent Sensing for Social IoT

Message from the Guest Editors

The convergence of IoT and AI (AIoT) is ushering in an era of collaborative sensing, reasoning, and interaction. This Special Issue explores this frontier, focusing on intelligent systems in which AI-powered, distributed sensors form organic, goal-oriented networks. These systems move beyond simple data aggregation to enable true collaborative sensing, facilitating complementary information sharing and real-time autonomous decision-making. This topic is intrinsically aligned with the core scope of intelligent sensing, encompassing advanced social IoT technologies, networking protocols, and data fusion algorithms. We invite submissions on novel architectures that integrate social and physical sensing, frameworks inspired by crowd-sensing paradigms, and the role of edge AI in creating adaptive, multi-modal perception systems. Contributions may also cover applications in domains such as smart cities and digital twin platforms for heterogeneous networks, as well as solutions addressing critical challenges of interoperability, security, and privacy within this collaborative paradigm.

Guest Editors

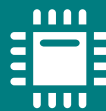
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Deadline for manuscript submissions

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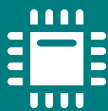


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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. 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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