

Special Issue

IoT-Driven Innovations in Smart Cities: From Urban Sensing to Trusted AIoT Services

Message from the Guest Editors

Smart cities increasingly depend on Internet of Things (IoT) ecosystems to monitor urban environments and deliver responsive services. AI-enabled IoT (AIoT) is accelerating decision-making through edge/cloud intelligence, yet it introduces new requirements for robustness, transparency and dependable deployment.

This Special Issue targets end-to-end innovations that connect urban sensing with trusted AIoT services, emphasising rigorous evaluation and real-world relevance. We welcome contributions on novel sensor systems and measurement methods; scalable architectures from edge to cloud; reliable connectivity for dense urban deployments (including LPWAN and cellular IoT) and trustworthy analytics that protect privacy and resist adversarial manipulation. Submissions should demonstrate clear metrics and credible validation (prototypes, pilots, testbeds, datasets or well-justified simulations). The topic aligns strongly with *Sensors* by focusing on sensing integrity, measurement reliability and sensor-driven systems that enable actionable urban intelligence.

Guest Editors

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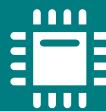
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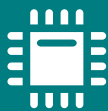


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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks.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