

Special Issue

Sensing Applications and Developments in IoT: Advancements, Challenges, and Future Prospects

Message from the Guest Editors

We encourage submissions that cover a wide array of topics, including but not limited to:

- **Sensor Technologies:** Novel advancements in sensor miniaturization, energy efficiency, and accuracy, exploring the potential of emerging sensor types.
- **Edge Computing for Sensing:** Contributions focusing on the integration of edge computing to enhance the processing capabilities of IoT devices, improving real-time decision making.
- **Machine Learning and Artificial Intelligence in Sensing:** Exploring how machine learning and AI techniques can be applied to optimize data analytics, pattern recognition, and intelligent decision making within IoT sensing systems.
- **Security and Privacy in IoT Sensing:** Addressing the crucial challenges associated with securing sensor data, ensuring privacy, and mitigating potential threats in IoT ecosystems.
- **Interoperability Challenges and Solutions:** Research that tackles interoperability issues to foster seamless communication and collaboration among diverse IoT devices and platforms.
- **Energy-Efficient Sensing:** Innovative approaches and technologies to address energy constraints in IoT devices, prolonging battery life and sustainability.

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Deadline for manuscript submissions

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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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