

Special Issue

AI-Enabled Intelligent Sensors for Wireless Sensor Networks and the Internet of Things

Message from the Guest Editor

Wireless sensor networks (WSNs) and the Internet of Things (IoT) are now ubiquitous, and their role is evolving beyond simple data collection—they are becoming more intelligent. With advances in AI, especially in machine learning and deep learning, sensors can analyze their surroundings, spot patterns, and even make decisions in real time without waiting for human input. This Special Issue focuses on how AI is supercharging sensors in WSNs and IoT systems. We welcome cutting-edge research on smarter sensor designs, real-world applications, and breakthroughs in energy efficiency, data accuracy, and system reliability. Topics of interest include, but are not limited to, smart sensing, edge AI, real-time processing, fault detection, and secure device communication. If you are advancing the boundaries of intelligent sensor networks, we invite you to contribute and help shape the next generation of responsive, efficient systems together.

Guest Editor

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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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