

Special Issue

Intelligent Technologies and Applications of Wireless Sensor Networks

Message from the Guest Editors

The field of wireless sensor networks (WSNs) is rapidly expanding with the incorporation of intelligent technologies. This integration combines wireless communication, sensor technology, and intelligent algorithms to create innovative solutions across various domains. Intelligent technologies are instrumental in enhancing the capabilities and effectiveness of WSNs. The introduction of intelligent technologies has further elevated the power of WSNs, enabling real-time applications and addressing complex challenges. The topics to be covered in this Special Issue include, but are not limited to, the following:

- Machine learning and deep learning techniques for WSNs.
- Intelligent data fusion and decision-making in WSNs.
- Intelligent routing and communication protocols.
- Adaptive and self-configuring WSNs.
- Energy-efficient software protocols and algorithms for WSNs.
- Intelligent dynamic spectrum access techniques for WSNs.
- Intelligent software solutions for WSN deployment, monitoring, and management.
- Intelligent hardware and electronic solutions for WSNs.
- Low-power electronics and circuit design for WSNs.
- Security and privacy considerations in intelligent WSNs.

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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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