

Topical Collection

Wireless Sensor Networks towards the Internet of Things

Message from the Collection Editors

Today, wireless sensor networks continue to be highly regarded by both academia and industry, involving a wide range of stakeholders such as researchers, industrialists, hardware manufacturers, and related IT services. The areas of application of WSNs are also increasing, ranging from simple monitoring to the medical, military, and welfare fields. The purpose of this Special Issue is to assess WSN technology and characteristics, review WSN applications, and provide information on the challenges and future of WSNs with particular emphasis on their use from an Internet of Things perspective. A wide range of documents will be considered that present innovative approaches to the state-of-the-art, monitoring, and control of WSN with the introduction of the IoT, which allows a great variety of applications.

- WSN standards and specifications;
- WSN architectures and protocol stack;
- WSN IoT development platforms;
- WSN IoT data management;
- Sensor node and energy optimization;
- WSN and artificial intelligence;
- WSN for smart cities applications;
- WSN data privacy and security;
- WSN and Industry 4.0;
- Multihop routing and WSN energy efficiency.

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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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