Special Issue

Low-Power Wireless Sensor Networks

Message from the Guest Editors

The smart node of the WSN consists of sensors that acquire data, a data processing system, wireless network management, energy storage, and energy management. The design of a low-power wireless sensor network requires the joint optimization of the parameters of the complete system, from the hardware of the sensor up to the network and application layer. The objective of this Special Issue is to present the state-of-the-art of the design methodologies of low-power wireless sensor networks in different application fields. The Special Issue includes but is not limited to the following topics:

- Energy harvesting for WSN
- Energy storage for WSN
- Wearable energy storage
- Power management techniques for low energy IoT devices
- Low-power IoT sensors
- Low-power wireless routing protocols
- Low-power wireless network topologies
- Low-power WSN for structural health monitoring
- Low-power WSN for smart cities
- Low-power wearable wireless sensors for healthcare

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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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