Special Issue

Green Sensors Networking 2023

Message from the Guest Editors

The purpose of this Special Issue is to present the most recent advances, or comprehensive reviews, relating to green wireless sensor networks. Sensor nodes are commonly hardware-constrained devices that must work under severe resource restrictions.
The key for reducing energy consumption in WSNs is the wise utilization of network resources, including power, spectrum, time, and spatial resources. For example, in these networks involving a large number of distributed devices, cooperative power control techniques based on convex optimization, deep-learning methods or game theory permit governing transmission power efficiently. Furthermore, energy-harvesting technology is frequently used to provide a virtually uninterrupted power supply to the sensor nodes although, due to the intermittent and variable nature of ambient energy sources, accurate prediction schemes of future energy availability may be required to avoid energy shortages.

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Deadline for manuscript submissions

closed (20 July 2023)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/151657

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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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