Special Issue

Wireless Sensor Networks with Energy Harvesting

Message from the Guest Editors

The integration of energy harvesting technologies with wireless sensors represents a groundbreaking advancement in the field of sensor technology. This Special Issue will explore the latest developments and applications of wireless sensors that utilize energy harvesting techniques to achieve sustainable and autonomous monitoring solutions. By harnessing ambient energy sources such as solar, thermal, and mechanical energy, these sensors can operate independently without the need for frequent battery replacements, making them ideal for use in remote and inaccessible environments. The focus of this Special Issue aligns with the scope of the *Sensors* journal by addressing innovative sensor design, deployment strategies, and the enhancement of sensor networks' sustainability and efficiency. We invite contributions that cover theoretical, experimental, and practical aspects, showcasing the potential of energy harvesting wireless sensors in various applications such as environmental monitoring, industrial automation, healthcare, and smart cities.

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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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