



Energy Harvesting and Sustainable Structure Monitoring System

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Message from the Guest Editors

This Special Issue is proposed to encourage further research and development of energy harvesting systems and wireless sensor networks for sustainable monitoring systems.

Powering wireless sensor nodes are one of the most attractive applications of energy-harvesting technology for various monitoring purposes for low-cost and sustainable systems, and the extension of lifetime of battery-operated wireless monitoring systems is an essential research topic.

Original contributions including the state-of-the-art, benefits of emerging technologies, experimental studies, or which investigate novel schemes and applications are welcome.

Topics relevant to the Special Issue include but are not limited to:

- Sensor design and implementation for low-power operation;
- Novel interface circuit for sensors and actuators;
- Novel energy harvesting systems for sustainable monitoring systems;
- Low power wireless transceiver design;
- Low power management for sustainable wireless sensor networks;
- Energy management algorithm for sustainable monitoring systems;
- Damage detection/localization/assessment
- Energy harvesting for sustainable and resilient infrastructures.



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Special Issue



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Message from the Editor-in-Chief

I encourage you to contribute research and comprehensive review articles for publication in Journal of Sensors and Actuator Networks (JSAN), an international, open access journal which provides an advanced forum for research findings in areas of sensors and actuators. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sensors and actuators and fostering applications of sensor-based measurements and effective actuator incorporation.

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