Special Issue

Energy Harvesting and Sustainable Structure Monitoring System

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 algorism for sustainable monitoring systems;
- Damage detection/localization/assessment
- Energy harvesting for sustainable and resilient infrastructures.

Guest Editors

Dr. Hyunjun Jung
Pyro-E, LLC

Dr. Yooseob Song
The University of Texas Rio Grande Valley, Edinburg Campus, 1201 W University Dr, Edinburg, TX 78539, USA

Deadline for manuscript submissions

closed (7 October 2021)

Journal of Sensor and Actuator Networks

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 9.4

mdpi.com/si/49680

Journal of Sensor and Actuator Networks
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jsan@mdpi.com

mdpi.com/journal/jsan

Journal of Sensor and Actuator Networks

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 9.4

mdpi.com/journal/jsan

About the Journal

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.

Editor-in-Chief

Prof. Dr. Lei Shu
1. College of Smart Agriculture (Artificial Intelligence), Nanjing Agricultural University, Nanjing 210031, China
2. School of Engineering, College of Science, University of Lincoln, Lincoln LN6 7TS, UK

Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), dblp, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Computer Science, Information Systems) / CiteScore - Q1 (Control and Optimization)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 21.6 days after submission; acceptance to publication is undertaken in 5.3 days (median values for papers published in this journal in the first half of 2025).

MDPI