Special Issue

Energy Management in Distributed Wireless Networks

Message from the Guest Editors

Papers on the tradeoff between system performance and energy efficiency, through adapting sensing/networking functionalities to energy budget, are solicited. New techniques to sustainably supply energy to sensor nodes or mobile nodes are encouraged. Topic of this Special Issues include, but are not limited to:

- Energy harvesting/charging and power management
- Long-life sensor node deployment and topology control
- Energy-efficient communication protocol design
- Scheduling algorithms for distributed wireless networks
- Directional/Smart Antennas for energy efficient protocols
- Energy-efficient (or -free) sensing techniques
- Data Aggregation/Fusion for energy efficient
- Trade-off techniques for energy efficiency considering also QoS and/or security
- Cross layering and protocol design for energy efficiency
- New applications of self-sustainable distributed wireless networks
- Data routing, processing and storage strategies
- Network modeling and performance analysis

Guest Editors

Prof. Dr. Floriano De Rango

Prof. Dr. Miroslav Voznak

Prof. Dr. Alfonso Ariza Quintana

Deadline for manuscript submissions

closed (31 August 2019)

Journal of Sensor and Actuator Networks

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 9.4

mdpi.com/si/15279

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