



State-of-the-Art in Sensor and Actuator Networks: Current Status and Future Possibilities

Guest Editors:

Prof. Dr. Taieb Znati

Prof. Dr. Lei Shu

Prof. Dr. Amiya Nayak

Dr. Sye Loong Keoh

Dr. Davide Patti

Deadline for manuscript
submissions:

closed (30 June 2021)

Message from the Guest Editors

This Special Issue solicits novel research papers on the current state-of-the-art and future possibilities of WSAAN, aiming to provide a comprehensive view of the current status of WSAAN and set the future direction of WSAAN research. The topics include but are not limited to:

- System architecture, operating systems, and network hardware for sensor/actuator networks;
- Smart and intelligent sensing and actuation;
- Cloud- or edge-based services;
- Industry 4.0 and embedded wireless sensor/actuator systems;
- Wireless sensor/actuator networks (WSAAN) for tactile Internet;
- Experimental facilities and test beds for sensor/actuator networks;
- Blockchain technologies and their applications to sensor/actuator networks;
- Internet-of-Things-based WSAAN;
- Quality of WSAAN services and experiences;
- WSAAN and next-generation networks (5G, 6G, etc.);
- Applications of WSAAN in farming, horticultural, vehicular, and mobile systems; smart cities, manufacturing, health and medical care; environment and wildlife;
- WSAAN as cyberphysical systems;
- WSAAN reliability, trust, security, and privacy;
- Software-defined WSAAN systems and infrastructure;
- Protocols and middleware for sensor/actuator networks.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Lei Shu

1. College of Artificial Intelligence,
Nanjing Agricultural University,
Nanjing 210095, China
2. School of Engineering, College
of Science, University of Lincoln,
Lincoln LN6 7TS, UK

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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)

Contact Us

*Journal of Sensor and Actuator
Networks* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/jsan
jsan@mdpi.com
X@JSAN_MDPI