

# Special Issue

## Robot Systems, Networks and Sensing Technologies

### Message from the Guest Editors

Each robot works as a smart agent in a dynamic network. They work cooperatively or independently to sense nearby environments. In such an environment, how robots work collaboratively to improve the efficiency and accuracy of environment sensing is a key problem. How the robots collaborate to finish special tasks is also attracting substantial attention. This Special Issue will collect cutting-edge research results in the area of robot networks, collaborative robot sensing technologies, networked robot systems, etc. Research on the collaboration of robot systems with the IOT and cloud computing systems are also welcome. More specifically, the following listed topics are of particular interest but related works in networked robot sensing systems are also welcome:

- Networked robot systems
- Collaborative robot sensing systems and algorithms
- Collaborative anonymously locating and mapping
- Collaborative robot navigation
- Robot formation control
- Robot location and navigation algorithms
- The collaboration of robots and IOT systems
- Information fusion algorithms in robot systems
- Vision, inertial sensing and navigation
- Data processing in robot sensing systems

---

### Guest Editors

Dr. Yongcai Wang

Intelligent Network and Optimization Laboratory, School of Information, Renmin University, Beijing 100872, China

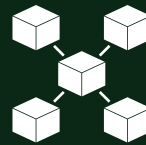
Dr. Thomas Newe

Department of Electronic & Computer Engineering, University of Limerick, V94 T9PX Limerick, Ireland

---

### Deadline for manuscript submissions

closed (30 April 2021)



## Journal of Sensor and Actuator Networks

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.2  
CiteScore 9.4



[mdpi.com/si/57691](https://mdpi.com/si/57691)

*Journal of Sensor and Actuator  
Networks*

Editorial Office

MDPI, Grosspeteranlage 5

4052 Basel, Switzerland

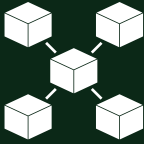
Tel: +41 61 683 77 34

[jsan@mdpi.com](mailto:jsan@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

[jsan](https://jsan)





# Journal of Sensor and Actuator Networks

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.2  
CiteScore 9.4



[mdpi.com/journal/](https://mdpi.com/journal/)

[jsan](https://jsan.mdpi.com/)



## 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).