

# Special Issue

## 5G and Beyond towards Enhancing Our Future

### Message from the Guest Editors

5G is not in the future anymore—now, it is just around the corner. With the publication of release 15, 5G became a reality, with the deployment of the first commercial 5G network expected as early as 2020. Concerning this topic, we are soliciting original unpublished works targeting 5G and beyond, with emphasis on the challenges facing mMTC (massive machine type communications) and URLLC (ultra-reliable low latency communications). Additionally, submitted works can propose new applications targeting verticals, such as eHealth, Smart City, and ITS (intelligent transportation systems), including sensing solutions. Topics, include, but are not limited to, the following:

- Network slicing
- Network function virtualization
- Software-defined networks (SDN)
- Mobility management in 5G heterogeneous networks
- Ultra-dense networking
- Cross-layer optimization
- Mobile edge computing
- AI and machine learning for 5G networking
- Fog and cloud solutions
- 5G applications and services
- 5G verticals
- IoT challenges and solutions
- eHealth challenges and solutions
- Smart city

---

### Guest Editors

Dr. Ayman Radwan

Dr. Maria de Fátima Domingues

Dr. Abd-Elhamid Taha

---

### Deadline for manuscript submissions

closed (31 January 2021)



## Journal of Sensor and Actuator Networks

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.2  
CiteScore 9.4



[mdpi.com/si/30713](https://mdpi.com/si/30713)

*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://mdpi.com/journal/)





# 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).