



## Wireless Sensor Networks and Telecommunications

Guest Editors:

**Dr. Diogo Gomes**

Department of Electronics  
Telecommunications and  
Informatics, University of Aveiro,  
3800-028 Aveiro, Portugal

**Prof. Dr. João Paulo Barraca**

Telecommunications Institute -  
Aveiro, and Electronics,  
Telecommunications and  
Informatics Department,  
University of Aveiro, 3810-193  
Aveiro, Portugal

Deadline for manuscript  
submissions:

**closed (31 August 2020)**

### Message from the Guest Editors

The advent of massive Internet of Things (IoT) scenarios brought about by 5G mMTC and important trends such as Industry 4.0 pose several important challenges for a very broad range of vertical industries, such as agriculture, the manufacturing industry, transportation, PPDR, and smart cities. Wireless Sensors and Actuators will play a decisive role in the transformation of these industries. Aspects including communication technologies, efficient power usage and harvesting, processing capabilities, storage, and sensing and actuation technologies are of utmost relevance to the success of future IoT scenarios.

Articles in this Special Issue should address wireless sensor networks in the context of telecommunication infrastructures. Potential topics include, but are not limited to:

- novel solutions and applications for mMTC scenarios;
- use-cases and proofs of concept (PoCs);
- new sensor and actuator architectures;
- advances in communications technologies (MAC, protocols, architectures);
- efficient energy usage and management of low power devices;
- security and privacy; and
- management of dense cells with constrained devices.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Lei Shu

1. College of Artificial Intelligence,  
Nanjing Agricultural University,  
Nanjing 210031, 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