

Special Issue

Advances in Vehicular Networks

Message from the Guest Editors

Vehicle-to-anything (V2X) communication is a key asset of the next automation revolution, representing the core of major transformations in society with social, economic, and environmental impacts. Connected vehicles are expected to transform the way we travel and how we live, through the creation of a safe, interoperable wireless communication network among road actors, infrastructure, and objects. Combined with sensor-based technologies, connected vehicles will enhance the performance of automated driving and increase further traffic safety. International consortiums have already agreed on the basic set of applications that need to be implemented to start operating a vehicular network infrastructure at a large scale. Current access technologies, such as IEEE 802.11p or 3GPP LTE-V2X can already succeed in providing challenging new applications, but cannot satisfy all requirements of future applications, since these technologies are designed with the human user in mind; hence, with latency in the order of hundred milliseconds, around 90% of reliability within given ranges, and limited data rates.

Guest Editors

Prof. Dr. Barbara Mavi Masini

1. Institute of Electronics Information Engineering and Telecommunications, National Research Council, Bologna, Italy
2. Department of Electrical, University of Bologna, 40136 Bologna, Italy

Dr. Cristiano M. Silva

Department of Technology, Federal University of São João Del-Rei (UFSJ), Brazil

Dr. Ali Balador

Mälardalen University, Västerås, Sweden

Deadline for manuscript submissions

closed (30 June 2020)



Journal of Sensor and Actuator Networks

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 9.4



mdpi.com/si/19770

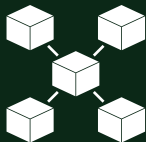
*Journal of Sensor and Actuator
Networks*

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](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).