

Special Issue

Network Slicing for 5G and Beyond

Message from the Guest Editors

Network slicing is set out to address crucial needs of 5G and beyond, including support for multi-service provisioning and multi-tenancy in virtualized infrastructures. Network slices essentially comprise bundles of computing, storage, and network resources, which are provisioned and managed in a unified manner. A network slice can be tailored to the needs of a particular service or traffic class, with examples in the context of 5G being enhanced mobile broadband (eMBB), ultra-reliable low-latency communications (URLLC), and massive IoT (MIoT). Network slicing has also found traction in the domain of edge computing, facilitating the deployment of cloud-native applications, such as location-based services. In order to capitalize the gains from network slicing, it is necessary to have the ability to provision, manage, and orchestrate network slices at large scale, and among different and potentially heterogeneous 5G infrastructures. This raises the need for slicing orchestration architectures and platforms, as well as APIs for their interoperability with virtualized infrastructure managers and service orchestrators.

Guest Editors

Dr. Panagiotis Papadimitriou

University of Macedonia, Greece

Dr. Lefteris Mamas

University of Macedonia, Greece

Dr. Kostas Katsalis

Huawei Technologies

Deadline for manuscript submissions

closed (31 October 2021)



Journal of Sensor and Actuator Networks

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 9.4



mdpi.com/si/46328

*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](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/

[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 23.6 days after submission; acceptance to publication is undertaken in 3.8 days (median values for papers published in this journal in the second half of 2025).