# Special Issue

# Edge and Fog Computing for Internet of Things Systems

### Message from the Guest Editors

Employing edge and fog computing for building IoT systems is essential considering the massive amount of data generated by sensing devices, the delay requirements of IoT applications, the high burden of data processing on cloud platforms, and the need to take immediate actions against security threats. By pushing processing and storage closer to IoT devices, it is possible to reduce the amount of data sent to the cloud, while also reducing communication delay. For this Special Issue the following topics are of particular interest:

- Sensor data processing by edge/fog
- Architectures for building edge/fog system
- Network function virtualization
- Traffic control and traffic shaping
- Allocation of computation and communication resources
- Edge/fog computing applications, such as healthcare, smart homes, smart cities, intelligent transportation.
- Multi-layer collaboration from edge to the cloud
- Security, privacy, and trust issues
- Secure communication across the edge to cloud continuum
- Energy-efficient solutions for edge and fog computing
- Signal processing and artificial intelligence

### Guest Editors

Dr. Behnam Dezfouli

Department of Computer Science and Engineering, Santa Clara University, Santa Clara, CA, USA

Dr. Yuhong Liu

Department of Computer Science and Engineering, Santa Clara University, Santa Clara, CA, USA

### Deadline for manuscript submissions

closed (10 April 2022)

**Sensors**

**an Open Access Journal by MDPI**

**Impact Factor 3.5**
**CiteScore 8.2**
**Indexed in PubMed**

mdpi.com/si/60405

*Sensors*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

mdpi.com/journal/sensors

# Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/journal/sensors

# About the Journal

## Message from the Editor-in-Chief

*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

## Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

## Author Benefits

**Open Access:**

free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:**

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

**Journal Rank:**

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)