



sensors



an Open Access Journal by MDPI

Edge and Fog Computing for Internet of Things Systems

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)

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



mdpi.com/si/60405

Special Issue



sensors



an Open Access Journal by MDPI

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

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.

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 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)