



*sensors*



an Open Access Journal by MDPI

## The Rise of EdgeAI and TinyML for the Next-Generation IoT

Guest Editors:

**Dr. Massimo Vecchio**

**Dr. Mattia Antonini**

**Dr. Miguel Pincheira**

**Dr. Panagiotis Trakadas**

**Dr. Paolo Azzoni**

Deadline for manuscript  
submissions:

**closed (15 August 2023)**

### Message from the Guest Editors

Dear Colleagues,

Edge computing is becoming a widely adopted technological paradigm. It is especially valid in application domains such as smart industry, smart city, smart ports, and, more generally, in the design of robust and reliable applications where bandwidth, privacy, latency, and responsiveness impose strong constraints.

Topics relevant to this Special Issue include, but are not limited to, the following:

- EdgeAI and TinyML in practical applications;
- Edge computing architectures supporting AI deployment;
- Methods for the optimization of models for AI at the edge/far-edge of the network;
- Methods to adapt cloud-scale AI models for the edge;
- Transfer learning of AI model at the edge of the network;
- Federated learning approaches with tiny IoT devices.

For more information, please visit: [mdpi.com/si/111921](https://mdpi.com/si/111921)



[mdpi.com/si/111921](https://mdpi.com/si/111921)

# 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 (*Instruments & Instrumentation*) / CiteScore - Q1 (*Instrumentation*)

## Contact Us

*Sensors* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sensors](http://mdpi.com/journal/sensors)  
[sensors@mdpi.com](mailto:sensors@mdpi.com)  
[X@Sensors\\_MDPI](#)