



Emerging Smart and Intelligent Wearable/Implantable Sensors for IoT and Biomedical Applications

Guest Editors:

Prof. Dr. Syed Kamrul Islam

Prof. Bashir I. Morshed

Dr. Ifana Mahbub

Prof. Khaza Anuarul Hoque

Deadline for manuscript
submissions:

closed (31 December 2020)

Message from the Guest Editors

Rapid advancements in sensor and integrated circuit technologies in the recent years have facilitated widespread use of smart and intelligent sensor instruments in wide range of applications including wearable and implantable biomedical sensors and Internet of Things (IoT). Smart networks architectures and technologies have been adopted in mobile device technologies facilitating a revolution of IoT. In addition, incorporation of machine learning/artificial intelligence on-chip have led to the realization of smart and intelligence sensors. The purpose of this special issue is to address ongoing research activities in the design of smart and intelligent sensors focusing on the applications in the areas of IoT and biomedical implantable and wearable sensor instruments.

Potential topics include but are not limited to the following:

- Emerging smart wearable and implantable sensors and devices
- Novel design, manufacturing, technology, and architecture for smart sensors
- Machine Learning, deep Learning, and artificial intelligence on-chip
- Smart sensor network architectures
- Real-time and low-power signal processing for smart sensors





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

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