



sensors



an Open Access Journal by MDPI

Advanced Interface Circuits for Sensor Systems

Guest Editors:

Dr. Pak Kwong Chan

School of Electrical and
Electronic Engineering, Nanyang
Technological University,
Singapore, Singapore

Dr. Holden King-Ho Li

School of Mechanical and
Aerospace Engineering, Nanyang
Technological University,
Singapore, Singapore

Deadline for manuscript
submissions:

closed (28 February 2022)

Message from the Guest Editors

Sensors are widely used in healthcare, automobiles, consumer electronics, industrial applications, and so forth. With that demand, comes an expectation of high quality and intelligent sensor circuits. With the emergence of artificial intelligence (AI) Internet-of-Things (AI-IoT), this has posed further design criteria and constraints to the interface circuits that aim to enhance the detection capability through the assistance of AI. It turns out that the interface circuits, which may be coupled with intelligent peripheral support circuits, are to provide advanced features to meet high-performance-aware specifications or high-adaptability, etc. and, therefore, realize smart functions through smart program control. Potential topics of this special issue include, but are not limited to:

- High-performance interface circuits
- AI-IoT sensor circuit design and techniques
- Smart power management circuits for sensors
- Sensor circuits with configurable architectures
- Intelligent peripheral circuits for sensor circuits
- Software for sensor circuits
- Digital-assisted sensor circuits
- Data communication for sensor circuits



mdpi.com/si/39876

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

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