



an Open Access Journal by MDPI

MEMS Sensors and Actuators 2022–2023

Guest Editors:

Dr. Mohannad Y. Elsayed

MEMS-Vision International Inc.,
Montreal, QC, Canada

Dr. Mourad N. El-Gamal

Electrical & Computer
Engineering Department, McGill
University, Montreal, QC, Canada

Deadline for manuscript
submissions:

closed (30 December 2023)

Message from the Guest Editors

The importance of micro/nano devices is continuously increasing as they become more widespread in a broad variety of applications, ranging from handheld and wearable electronics to more demanding applications, such as robotics, medical, and space applications.

The aim of this Special Issue is to cover state-of-the-art progress in all aspects of MEMS/NEMS devices. Research articles, short letters, and review papers are encouraged. Contributions from both academia and industry are welcomed. Topics of interest include, but are not limited to, the following:

- Inertial and tactile sensors;
- Physical sensors;
- Chemical sensors;
- Micro/nano actuators;
- Medical and implantable micro/nano systems;
- RF MEMS/NEMS, resonator, and oscillators;
- Micro/nano fluidic systems;
- Power MEMS;
- Integrated photonics and optical MEMS;
- Acoustic and ultrasonic microsystems;
- Micro energy harvesters, Micro robots;
- Biomimetic and bioinspired micro/nano systems;
- Interfacing and readout electronics for micro/nano systems;
- Novel materials and micro/nano fabrication processes;
- New technologies for packaging and integration.





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](#)