

Special Issue

Advances and Applications of Micro/Nano-Electronic Sensors

Message from the Guest Editors

Wearable electronics have started to gain momentum because of their essential role in improving the quality of life for various patients and healthy individuals. The function and performance of integrated NEMS/MEMS systems depend on the design of nano-/microsystems, choice of materials, manufacturing approaches, packaging, and device integration methods. It is also of high interest to investigate the interrelationships between material properties and processing, device/system structure, and the mechanical, electrical, optical, or (bio)chemical behavior of devices/systems. Resonant sensors are a type of sensor that relies on the measurement of resonant frequency to detect a variety of physical parameters such as pressure, temperatures, viscosity, gas concentrations, accelerations, etc. This type of sensor has drawn a significant amount of attention due to its excellent stability, resolution, and accuracy. In addition, this type of sensor allows devices to be easily connected to digital systems, which is required for its effective employment as a measurement device.

Guest Editors

Dr. Huanyu Cheng

Prof. Dr. Haifeng Zhang

Dr. Zhiqun (Daniel) Deng

Deadline for manuscript submissions

closed (30 September 2022)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/67823

Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)





Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)



About the Journal

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.

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

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 and Instrumentation) / CiteScore - Q1 (Instrumentation)