

Special Issue

Advanced Micro-Electro-Mechanical Systems and Micro-Electro-Optical-Mechanical Systems in Scanning Probe Microscopy

Message from the Guest Editor

The continuous evolution of micro-electro-mechanical systems (MEMSs) and micro-electro-optical-mechanical systems (MEOMSs) has significantly impacted the field of sensor design, offering unprecedented capabilities in precision sensing, actuation, and control. This Special Issue aims to provide a platform for researchers to share their latest findings, technological advancements, and innovative applications at the intersection of MEMSs/MEOMSs and scanning probe microscopy within the sensor community. Through this collection of contributions, we seek to foster collaboration, inspire new research directions, and propel the ongoing development of MEMS/MEOMS-based sensor technologies for SPM and beyond.

Guest Editor

Dr. Andrzej Sikora

Department of Nanometrology, Faculty of Electronics, Photonics and Microsystems, Wrocław University of Science and Technology, 50-370 Wrocław, Poland

Deadline for manuscript submissions

10 August 2026



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/206886

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

Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 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)