

## Special Issue

# Micro-Nano Systems Technology and Micro-Nano Intelligent Manufacture

### Message from the Guest Editors

The goal of this Special Issue is to highlight the recent progresses on advanced micro- and nano systems as well as their intelligent manufacture with emphasis on applications in health care, environment, food industry and energy, electronics communications, among others.

Of special interest is research work addressing real-time and continuous signal processing and detection, modelling and simulation in micro and nano systems, microfabrication principles and techniques, MEMS sensors and actuators fabrication and applications, on-chip networks and network-on-chip (NoC), microfluidic- and nanofluidic devices. It is solicited submissions of both original research papers and review articles for this special issue. Keywords

- Design principles and fabrication techniques of micro- and nano systems
- MEMS sensors and actuators
- Lab on chip devices
- Microfluidics and nanofluidics
- Signal processing and detection based on integrated micro- and nano systems
- Modelling and simulation in micro and nano systems
- Heat & mass transfer in micro and nano systems<

---

### Guest Editors

Prof. Dr. Tao Dong

Institute for Microsystems - IMS, Faculty of Technology, Natural Sciences and Maritime Sciences, University College of Southeast Norway, Postboks 235, 3603 Kongsberg, Norway

Prof. Zhaochu Yang

Institute of Applied Micro-Nano Science and Technology, Chongqing Key Laboratory of Micro-Nano Systems Technology and Smart Transducing, Chongqing Technology and Business University, Nan'an District, Chongqing 400067, China

---

### Deadline for manuscript submissions

closed (31 December 2018)



## Sensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/si/10877](https://mdpi.com/si/10877)

*Sensors*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sensors@mdpi.com](mailto: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)