

## Special Issue

# Recent Advances in Smart Materials for Sensor and Actuator Applications

### Message from the Guest Editors

Smart materials are intelligent materials that can change their material properties in response to external stimuli such as electric, magnetic, and strain. Smart materials are widely used as sensors and actuators for various engineering applications due to their advantages such as fast response time, high energy efficiency, and easy implementation in control systems. The aim of this Special Issue is to disseminate the latest, new, original, and collective knowledge gathered from esteemed professionals like yourself on the use of Smart Materials for Sensors and Actuator Applications. You are cordially invited to submit your original research articles and review papers that address the subject of the current Special Issue. The list of potential research topics includes, but is not limited to:

- Vibration/noise control and isolation;
- Prognostics and health management;
- Modeling of smart structures and systems;
- Structural health monitoring;
- Soft robotics and artificial muscle;
- Flexible and wearable sensors;
- Energy harvesting;
- Haptic systems.

---

### Guest Editors

Prof. Dr. Jung Woo Sohn

Department of Mechanical Design Engineering, Kumoh National Institute of Technology, Daehak-ro 61, Gumi 39177, Gyeongbuk, Republic of Korea

Prof. Dr. Heung Soo Kim

Department of Mechanical, Robotics and Energy Engineering, Dongguk University, 30 Pil-dong 1 Gil, Jung-gu, Seoul 04620, Korea

---

### Deadline for manuscript submissions

closed (20 April 2022)



## Sensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 7.3  
Indexed in PubMed



[mdpi.com/si/84807](https://mdpi.com/si/84807)

*Sensors*

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 3.4  
CiteScore 7.3  
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 (Chemistry, Analytical) / CiteScore - Q1 (Instrumentation)