



*sensors*



an Open Access Journal by MDPI

## Carbon Nanotube and Graphene-based Sensors

Guest Editors:

**Prof. Dr. Alfredo Güemes**

Department of Aerospace  
Materials and Processes,  
Universidad Politecnica de  
Madrid, 28040 Madrid, Spain

**Prof. Dr. Zhongqing Su**

Mechanical Engineering, The  
Hong Kong Polytechnic  
University, Kowloon, Hong Kong

Deadline for manuscript  
submissions:

**closed (30 December 2020)**

### Message from the Guest Editors

Dear Colleagues,

This Special Issue of *Sensors* (MDPI) reflects on the rise of nanofillers sensing technologies, focusing on all aspects of research and development of carbon-nanotube-related sensors. The issue emphasizes research and review manuscripts that focus on experimental design, tests, and applications of CNT sensors. We expect that by providing researchers working on CNT strain and SHM (structural health monitoring) sensors with a platform to publish their recent results, we can provide the audience a wide breadth of research that encompasses manufacturing, experimental validation, and testing.

- Carbon nanotubes
- Graphene
- Strain sensors
- Damage sensors
- Structural health monitoring (SHM) Piezoresistivity
- Nanocomposites
- Electromechanical response
- Electrical impedance tomography
- Sensitive inks
- Multifunctional composites
- Smart adhesives

Prof. Alfredo Güemes

Prof. Zhongqing Su

*Guest Editors*



[mdpi.com/si/37381](https://mdpi.com/si/37381)

**Special** Issue



*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 (*Instruments & Instrumentation*) / CiteScore - Q1 (*Instrumentation*)

## Contact Us

---

*Sensors* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sensors](http://mdpi.com/journal/sensors)  
[sensors@mdpi.com](mailto:sensors@mdpi.com)  
[X@Sensors\\_MDPI](#)