



sensors



an Open Access Journal by MDPI

Smart Sensors for Structural Health Monitoring and Nondestructive Evaluation

Guest Editor:

Prof. Dr. Zenghua Liu

Faculty of Materials and
Manufacturing, Beijing University
of Technology, Beijing 100124,
China

Deadline for manuscript
submissions:

closed (20 January 2023)

Message from the Guest Editor

Dear Colleagues,

Structural health monitoring (SHM) and nondestructive evaluation (NDE) technologies can be used to identify the defects or damages and evaluate the health status of the components or systems to avoid structural failure or catastrophes. Sensors are widely used to collect information about the status of the engineering components or systems. The development and application of sensors are key research topics in the areas of SHM and NDE. This Special Issue will collect the most recent research where the sensors are used for SHM and NDE.

In this Special Issue we look forward to receiving papers on a wide range of research topics, but not limited to, the following topics:

- Sensors and sensor array
- Sensor modeling and simulation
- SHM systems and technology
- Nondestructive testing and evaluation
- Structure diagnosis and performance evaluation
- Signal processing
- Artificial intelligence applications in SHM and NDE
- System and instrument development
- Field applications of SHM and NDE

For this Special Issue, you are also welcome to submit review papers that provide new assessments that report sensor development and applications in SHM and NDE.



mdpi.com/si/80886

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 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)