



sensors



an Open Access Journal by MDPI

Sensors for Non-Destructive Testing and Structural Health Monitoring

Guest Editors:

Dr. Xing Fu

Faculty of Infrastructure
Engineering, Dalian University of
Technology, Dalian 116024,
China

Prof. Dr. Hong-Nan Li

Faculty of Infrastructure
Engineering, Dalian University of
Technology, Dalian 116024,
China

Deadline for manuscript
submissions:

30 April 2026

Message from the Guest Editors

Dear Colleagues,

The purpose of this Special Issue is to introduce the new generation of non-destructive testing sensors and mass data intelligent processing and analysis algorithms for structural health monitoring, with its scope including but not limited to the following topics:

- The research and development of non-destructive testing sensors and supporting equipment;
- Abnormal data diagnosis methods based on deep learning algorithms;
- Structural damage identification methods based on computer vision technology;
- Structural health monitoring methods and related devices based on digital twin;
- Multi-source heterogeneous monitoring data fusion;
- Health monitoring methods for large complex structural systems.

Dr. Xing Fu
Prof. Dr. Hong-Nan Li
Guest Editors



mdpi.com/si/177943

Special Issue



sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Department of Electrical and
Information Engineering,
Politecnico di Bari, Via Orabona
4, 70126 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 and Instrumentation) / 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](#)