

Special Issue

Sensing and Signal Processing in Nondestructive Evaluation

Message from the Guest Editors

Nondestructive evaluation is defined as testing and analysis techniques to detect flaws and imperfections in materials, components, structures or systems to ensure structural integrity. The acquired data in combination with advanced sensing and signal processing techniques can provide monitoring, inspection, damage assessment and maintenance actions upon demand. In this respect, the Special Issue would focus the attention on all the opportunities for nondestructive evaluation. The Special Issue hence focuses on recent developments in theoretical, computational, experimental and practical aspects in the field. Topics include, but are not limited to, the following:

- Damage Detection and Assessment
- Damage Modelling
- Innovative Sensing Solutions
- Modal Analysis
- Model Verification and Validation
- Modeling and Simulation
- Non-contact Dynamics Measurement
- Nondestructive Testing and Evaluation
- Non-linear Guided Waves
- Real-world Applications
- Sensors and Actuators

Guest Editors

Dr. Kong Fah Tee

Faculty of Engineering and Science, University of Greenwich, Kent ME4 4TB, UK

Prof. Dr. Bin Huang

School of Civil Engineering and Architecture, Wuhan University of Technology, Wuhan 430070, China

Deadline for manuscript submissions

closed (25 October 2023)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/133386

Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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
Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 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)