



sensors



an Open Access Journal by MDPI

Sensors for NDT Diagnostics and Health Monitoring

Guest Editors:

Dr. Nico P. Avdelidis

Computer Vision and Systems
Laboratory (CVSL), Department
of Electrical and Computer
Engineering, Laval University,
Quebec City, QC G1V 0A6, Canada

Prof. Dr. Antonios Tsourdos

Centre for Autonomous and
Cyberphysical Systems, Cranfield
University, Cranfield MK43 0AL,
UK

Deadline for manuscript
submissions:

closed (31 May 2021)

Message from the Guest Editors

This Special Issue focuses on fostering improvements and new developments of technology in areas related to novel NDT diagnostics and health monitoring, including use of advanced smart sensors and sensor networks, as well as strategies for data utilisation for overall system safety and health management. We would like to invite original research articles, as well as review articles. Potential topics include but are not limited to:

- Sensor technologies for NDT diagnostics and health monitoring, sensor networks and smart systems for evaluation, detection, monitoring, control and health management of transport systems;
- Continuous NDT and E diagnostics and real-time results for improving measurement accuracy and/or inspection technologies;
- Modelling, simulation and technology development concerning health diagnostics and health management at multiple scales ranging from nano- and micro- scales to realistic structures;
- Signal and/or image processing, data fusion, and energy harvesting for NDT diagnostics and sensor monitoring;
- Interdisciplinary approaches and applications for sensors for NDT diagnostics and health monitoring.



mdpi.com/si/45877

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

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