

Special Issue

Structural Health Monitoring and Non-destructive Testing for Engineering Applications: Advances in Sensor and Technologies

Message from the Guest Editors

Non-destructive testing (NDT) and structural health monitoring (SHM) are strategic procedures for the non-invasive assessment of the health state of materials and structures. Several NDT protocols guarantee that each engineering component enters in service after satisfying a series of stringent tests ensuring the maximum safety level for both persons and products. New studies in this field have a strategic and essential role in order to reduce the NDT costs and improve test performance. This Special Issue focuses on fostering technical improvements and new technologies developing for characterization and real-time monitoring of mechanical parts and, generally, structures in a variety of engineering fields (automotive, nuclear, petrochemical, archeology, cultural heritage, aerospace, and so on). We would like to invite original research articles as well as review articles that contain theoretical, analytical, and experimental investigations covering all aspects of NDT&E and SHM.

Guest Editors

Dr. Leandro Maio

Dr. Vittorio Memmolo

Dr. Marco Laracca

Deadline for manuscript submissions

closed (31 March 2022)



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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

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