Smart Sensors and Machine Learning Technique for Damage Detection and Visualization

Guest Editors:

Prof. Dr. Yufeng Zhou
School of Mechanical Engineering, Northwestern Polytechnical University, Xi'an 710072, China

Dr. Wentao Wang
Department of Civil and Environmental Engineering, University of Michigan, Ann Arbor, MI 48109-2125, USA

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Message from the Guest Editors

In recent years, machine learning has become a field of high interest, and is frontier research direction in numerous fields. Smart sensors will undoubtedly this revolutionary change. The wide use of machine learning and computer vision provide efficient methods for data processing, damage detection, imaging, and condition assessment for the communities of civil engineering, mechanical engineering, biomedical engineering, and aerospace.

The objective of this Special Issue is to discuss the latest advances in research on machine learning and smart sensors for structural health monitoring (SHM), nondestructive evaluation/testing (NDE/NDT) and multi-discipline applications.

Topics of interest include, but are not limited to:

- Machine learning-based SHM and NDE/NDT;
- Computer vision-based SHM and NDE/NDT;
- Damage detection and visualization;
- New development of smart sensor and embedded sensing system;
- Wearable or mobile sensing system;
- Simulation and imaging technology of wave propagation;
- Classification and prediction problem.

Special Issue

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.

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