Advanced Structural Health Monitoring: From Theory to Applications

Guest Editors:

Dr. Hugo Rodrigues
Civil Engineering Department, University of Aveiro, 3810-193 Aveiro, Portugal

Dr. Ivan Duvnjak
Faculty of Civil Engineering, University of Zagreb, 10000 Zagreb, Croatia

Deadline for manuscript submissions:
closed (31 August 2021)

Message from the Guest Editors

The present Special Issue focuses on recent developments in theoretical, computational, experimental, and practical aspects in the field and aims to cover different topics, namely: sensors for structural health monitoring; damage detection and characterization algorithms; structural warning systems; model-based structural service life prediction methods; the application of SHM for different exceptional loading; influence of environmental and operational conditions; innovative sensing solutions for SHM; cultural heritage damage detection and health monitoring; bridge damage detection and health monitoring; case study applications; and short-term monitoring systems for diagnostic load testing of structures.

keywords:

- Structural health monitoring
- Sensing and measurement techniques
- Damage detection algorithms and characterization
- Data analysis
- Structural assessment

Special Issue

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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), Inspec, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us