



Structural Health Monitoring of Civil Infrastructures

Guest Editors:

Dr. Carlo Rainieri

Dr. Andy Nguyen

Dr. You Dong

Dr. Dmitri Tcherniak

Deadline for manuscript
submissions:

closed (30 September 2022)

Message from the Guest Editors

The goal of this Special Issue is to discuss the latest achievements in the field of data processing procedures for SHM of civil infrastructures, and multidisciplinary contributions are especially encouraged. Potential topics for submissions include but are not limited to:

- Optimal sensor layout and automated damage feature extraction (including automated modal parameter identification)
- Influence of environmental and operational variability on SHM reliability and compensation methods
- Data mining and data fusion approaches for civil SHM
- Damage feature selection and comparative assessment of damage sensitivity of different damage indexes
- Approaches for damage detection, location, extension, and classification from response measurements
- Techniques for robust solution of the inverse problem in model-based SHM techniques
- Artificial intelligence in civil SHM
- Comparative assessment of data-driven and model-based SHM approaches in the context of a given damage scenario
- Residual life prediction
- Role of SHM in decision making, including early warning, emergency management, and support to structural maintenance in service condition.





an Open Access Journal by MDPI

Editor-in-Chief

Dr. Pedro Arias-Sánchez

Applied Geotechnologies Group,
Department of Natural Resources
and Environmental Engineering,
School of Mining Engineering,
University of Vigo, 36310 Vigo,
Spain

Message from the Editor-in-Chief

You are invited to contribute a research article, review or short communication for consideration and publication in *Infrastructures* (ISSN 2412-3811). There is no restriction on the length of the papers. *Infrastructures* is published in open access format. The scientific community and general public have unlimited free access to the content as soon as it is published. *Infrastructures* is supported by the authors by the payment of article processing charges for accepted manuscripts. Please consider *Infrastructures* as an exceptional opportunity to publish your work.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, ESCI (Web of Science), Inspec, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Civil*) / CiteScore - Q1 (Building and Construction)

Contact Us

Infrastructures Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/infrastructures
infrastructures@mdpi.com