



## Structural Health Monitoring in Civil Infrastructure

Guest Editors:

**Prof. Dr. Yang Liu**

School of Transportation Science and Engineering, Harbin Institute of Technology, Harbin 150000, China

**Prof. Dr. Hongye Gou**

School of Civil Engineering, Southwest Jiaotong University, Chengdu 610031, China

**Prof. Dr. Wanshui Han**

School of Highway, Chang'an University, Xi'an 710064, China

Deadline for manuscript submissions:

**closed (31 March 2023)**

### Message from the Guest Editors

The maintenance safety of civil infrastructures, such as bridges, building structures, tunnels etc., is intimately affected by natural or human-made disasters, which has attracted widespread attention. It is of great significance to monitor and forecast the performance of structures in real time, in order to improve the operational efficiency of the engineering structures. Therefore, structural health monitoring (SHM) technology has become a hot issue in recent years.

With the development of advanced sensing, signal processing, and damage detection methods, SHM technology has been widely implemented in practical civil structures. Meanwhile, several new concepts have been proposed in SHM, including smart systems and smart materials. However, there are still many economic and practical challenges in further popularization and application of SHM systems.

This Special Issue will showcase some of the latest efforts to advance the frontiers of structural health monitoring in civil infrastructure. We invite researchers to submit original research papers that include new theoretical methods, numerical modeling, and practical or experimental studies. Review articles are also welcomed.





an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Marc A. Rosen**

Faculty of Engineering and  
Applied Science, University of  
Ontario Institute of Technology,  
Oshawa, ON L1G 0C5, Canada

## Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

## Author Benefits

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

**High Visibility:** indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, AGRIS, RePEc, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (Geography, Planning and Development)

## Contact Us

---

*Sustainability* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sustainability](http://mdpi.com/journal/sustainability)  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)  
[X@Sus\\_MDPI](https://twitter.com/Sus_MDPI)