



Green Construction, Maintenance, Structural Health Monitoring and Non-destructive Testing in Complex Structures and Infrastructures

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Deadline for manuscript
submissions:

closed (31 May 2022)

Message from the Guest Editors

With the development of advanced sensing, signal processing, and damage detection methods, structural health monitoring (SHM) technology and non-destructive testing (NDT) technology have been widely implemented in practical civil structures, which are used to assist decision making for maintenance, rehabilitation, and retrofit of existing civil structures. This Special Issue seeks to gather a series of manuscripts to advance the frontiers of construction, maintenance, SHM and NDT in civil structures and infrastructures.

Potential topics include, but are not limited to:

- Advances in BIM-based design in civil engineering;
- Development, design and analysis of novel and complex civil structures;
- Structural sensing and sustainable infrastructure maintenance;
- Structural reliability analysis and maintenance management;
- Structural health monitoring in civil engineering;
- Diagnostics and nondestructive testing in civil structures and infrastructures.





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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.

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