

## Special Issue

# Health Monitoring and Maintenance of Civil Structures

### Message from the Guest Editors

Structural health monitoring (SHM) is defined as a process of monitoring the performance and evaluating structural health based on measurements from on-structure sensing systems. SHM has attracted significant worldwide research efforts because it provides engineers and infrastructure owners with a more reliable way to monitor structural conditions to prevent catastrophic failure. Over the past decades, natural hazards of unusual magnitude compared to those listed in historic records, have struck several parts of the world. Seismic actions, catastrophic and unexpected flooding, heavy rainfalls, landslides, and rock falls have caused, in many cases, irreparable damage and loss of life. Hence, it is very critical to maintain and reinforce damaged civil engineering structures, and some innovative technologies are urgently needed to achieve this. We hope that this Special Issue attracts high-quality papers that contribute to health monitoring, damage assessment, and the prediction of remaining life, maintenance and reinforcement related to civil structures.

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### Guest Editors

Prof. Dr. Yingying Zhang

Dr. Jianhui Hu

Dr. Yinglei Li

Dr. Wengui Li

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### Deadline for manuscript submissions

closed (30 April 2023)



## Applied Sciences

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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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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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