

# **Structural Hidden Damage Detection and Condition Diagnosis of Large-scale Infrastructure**

## **Preface**

Newly constructed and aged structures are vulnerable to extreme events, under the current complex environment, owing to the climate change. More extreme events, such as unusually big storms and flood, very high temperature and hurricanes, etc., introduce a significant risk to civil engineering infrastructure network and community. Those structures may experience significant damage after these extreme events and disasters. Then investigating and developing new techniques to effectively detect the structural hidden damage and internal defect and supporting the safety evaluation of structures is an important research task. The new techniques will also assist a rapid response to increase the resilience of infrastructure network and community. The main objective of the Special Issue is to report the latest development in theoretical and experimental investigations of emerging techniques and systems for structural hidden damage and defect detection of large-scale structures, such as bridges, buildings and tunnels, etc. After rigorous peer review and revision processes, eleven full papers have been accepted for inclusion in this special issue.

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