

Special Issue

Structural Health Monitoring in Civil Infrastructure

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.

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