Special Issue

Structural Health Monitoring of Buildings, Bridges and Dams

Message from the Guest Editors

The main aim of this Special Issue " Structural Health Monitoring of Buildings, Bridges and Dams" in Buildings is to provide a platform for the discussion of the major research challenges and achievements on the development of novel Structural Health Monitoring strategies for identifying the location and severity of structural damages by considering any changes in characteristics of the structures. This Special Issue provides an integrated view of the problems associated with the achievement of Structural Health Monitoring strategies for buildings, bridges, and dams under deterioration, excessive loads, environment, temperature, etc. and the trends in the development of structural damage identification methods for in-service buildings, bridges, and dams. We warmly invites authors to submit their papers for potential inclusion in this Special Issue on structural health monitoring of buildings, bridges, and dams.

Guest Editors

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Deadline for manuscript submissions

closed (30 April 2023)

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About the Journal

Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

Editor-in-Chief

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