# Special Issue

# Structural Health Monitoring and Damage Identification of Engineering Structures

# Message from the Guest Editors

This Special Issue aims to explore recent advances in structural health monitoring (SHM) and damage identification, especially in relation to engineering applications. Topics of interest for this Special Issue include, but are not limited to, the following:

- Bridge health monitoring and damage identification;
- Damage identification of large-scale structures;
- Artificial intelligence in SHM;
- Advanced signal process technologies in SHM;
- Temperature effects on SHM;
- Nondestructive testing.

As SHM is highly multi-disciplinary, we welcome original submissions from researchers with backgrounds in various disciplines.

#### **Guest Editors**

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### Deadline for manuscript submissions

closed (31 October 2025)



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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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