



Application of Dynamical Analysis and Sensing Technologies in Nondestructive Testing and Structural Health Monitoring

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closed (30 November 2025)

Message from the Guest Editors

Nondestructive testing (NDT) and structural health monitoring (SHM) play a critical role in ensuring the safety and reliability of structures in a variety of industrial sectors, such as transportation systems (including automotive and aerospace), infrastructure, nuclear plants, and many others.

This Special Issue aims to bring together excellent and talented researchers from around the world to showcase their advances in NDT and SHM methodologies for assessing the conditions of structures and systems in a wide range of engineering applications.

Topics of interest include, but are not limited to, the following:

- Structural health monitoring;
- System condition monitoring;
- Nondestructive testing;
- Dynamics and vibrations;
- Vibration and control;
- NDT sensors and techniques;
- Damage indicator;
- Sensor fusion;
- Artificial intelligence;
- Signal processing;
- Damage detection and localization;
- Uncertainty quantification;
- Time series modelling;
- Engineering application.





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Message from the Editor-in-Chief

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