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Advanced Sensing Systems for Structural Monitoring and Damage Identification of Buildings and Bridges

Guest Editor:

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Deadline for manuscript submissions:

closed (31 October 2025)

Message from the Guest Editor

Dear Colleagues,

In this Special Issue, 'Advanced Sensing Systems for Structural Monitoring and Damage Identification of Bridges and Buildings', we welcome recent experimental research and cases studies on structural health monitoring and damage identification data analysis to detect specific targets. Topics of interest include, but are not limited to:

- Advanced sensing technologies and networks for structural health monitoring and damage identification.
- Innovative non-destructive evaluation of civil infrastructures.
- Remote sensing techniques for structural health monitoring and damage identification.
- Smart materials for structural dynamics characterization and damage detection.
- Monitoring tools and techniques for current and historical structures and infrastructures.
- Cure monitoring and early-age concrete damage identification.
- Structural health monitoring using artificial intelligence and machine learning.
- Innovative neural network architecture for structural health monitoring.
- Information modeling/bridge information modeling integrated with structural health monitoring systems and methodologies.



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Special Issue



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Message from the Editor-in-Chief

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