

## Special Issue

# Structural Damage Detection and Quick Repair Assisted by AI Technologies

### Message from the Guest Editors

Damage to structures will appear gradually with increased usage duration. Detecting damage and carrying out repairs as early as possible is an important issue in structural health monitoring. Different methods have been developed to solve this problem in the past decade, and technological advancements are expected to make these methods more effective and accurate, such as AI technologies, which have provided a new solution for the above mentioned issues. This Special Issue aims to collect recent advances in structural damage detection and quick repair assisted by AI technologies. Topics of interest include, but are not limited to:

- AI-assisted model updating;
- AI-assisted modal identification;
- AI-assisted damage detection;
- AI-assisted quick repair;
- AI-assisted sensor placement.

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### Guest Editors

Prof. Dr. Shaofei Jiang

Prof. Dr. Feng-Liang Zhang

Dr. Yanchun Ni

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### Deadline for manuscript submissions

closed (1 May 2024)



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*Sustainability*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)

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### Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario  
Institute of Technology, Oshawa, ON L1G 0C5, Canada

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