Structural Damage Detection and Quick Repair Assisted by AI Technologies

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Message from the Guest Editors

Dear Colleagues,

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.

Special Issue

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Message from the Editor-in-Chief

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