Special Issue

Seismic Retrofitting and Performance Evaluation of Transportation Infrastructure

Message from the Guest Editor

The special issue seeks to explore innovative technologies such as base isolation and energy dissipation elements, offering a platform for researchers to present their findings and insights. By gathering contributions on these vital topics, we aim to advance the understanding and implementation of seismic retrofitting and performance evaluation, ultimately contributing to the creation of safer built environments in seismic-prone regions. Potential topics include, but are not limited to:

- Seismic retrofitting;
- Transportation infrastructure;
- Performance evaluation;
- Seismic resistance;
- Seismic activity;
- Engineering practices;
- Structural assessment;
- Retrofitting technologies.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2024)

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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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