Special Issue

Advanced Research on Seismic Performance of Steel Structures

Message from the Guest Editor

The seismic performance of steel structures remains a key focus of civil engineering research due to their widespread application in high-risk seismic zones and their inherent ductility and adaptability. This Special Issue will explore innovative methodologies aimed at enhancing the seismic resilience of steel structures, paying attention to both traditional and innovative seismic resisting steel systems and devices. We welcome contributions addressing various aspects, including but not limited to the following:

- Design and assessment of steel structures;
- Numerical and experimental investigations;
- Seismic hazard analyses;
- Seismic loss estimation.

For more information about the Special Issue, please visit the following link:
https://www.mdpi.com/journal/buildings/special_issues/RD9Y266L61

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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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