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Engineering Disaster Analysis and Earthquake-Resistant Buildings Design

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Deadline for manuscript submissions:
closed (31 December 2023)

Message from the Guest Editors

Dear Colleagues,

To effectively prevent the occurrence of engineering disasters, more attention should be paid to disaster mechanisms and anti-seismic measures in various types of engineering structures. In modern building structural design, seismic performance is an important manifestation of building structure functions, especially in earthquake prone areas.

The study of disaster mechanisms and dynamic response in engineering disasters, as well as anti-seismic measures for various types of engineering buildings, is one of the most important directions of development. This Special Issue focuses on collecting high-quality articles on the advanced original research and technology of engineering disaster analysis and earthquake-resistant buildings design, emphasizing the latest advances in engineering disaster analysis and seismic design through comprehensive theoretical, experimental, and numerical methods.

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Guest Editors

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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.

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