Special Issue

Stability Analysis and Dynamic Analysis of Building Structures

Message from the Guest Editor

I am pleased to invite you to contribute to the Special Issue “Stability Analysis and Dynamic Analysis of Building Structures”.

Building structures are frequently exposed to influential actions that may considerably affect their stability, degrade their stiffness and strength, or cause substantial damage. Additionally, most structures used in civil engineering are subjected to dynamic loads during their operation. Therefore, stability and dynamic analysis is important in designing building structures.

This Special Issue focuses on the subjects of stability and dynamics. Both analyses are of interest in this journal because they share somewhat fundamental elements. We encourage submissions on experimental, numerical, and theoretical investigations on the stability and dynamics of building structures. Original contributions on analysis are welcome.

Guest Editor

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Deadline for manuscript submissions

closed (29 February 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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