Special Issue

Structural Performance of Building Steel

Message from the Guest Editors

Steel structure buildings have gradually become a new trend in modern architecture due to their unique advantages. Compared with traditional buildings, steel structure buildings exhibit higher strength and durability and are highly favored in various construction projects. The research on the structural performance of building steel, aiming to leverage its advantages such as high strength, rapid construction, flexible layout, and energy conservation and environmental protection, is also a hot topic in current research. This Special Issue aims to illustrate the key issues encountered in the structural performance of building steel, including seismic performance, fire resistance, industrial implementation path, prefabricated structure and node design, information design and construction technology, etc. All relevant research is welcome. For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/buildings/special_issues / 1W317Z3016

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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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