

Special Issue

Research on Recent Developments in Building Structures

Message from the Guest Editors

Modern building structures face higher requirements in terms of performance, economy, environmental protection, and other aspects. With the technology developments and innovation in recent decades, novel structural systems are constantly emerging, the analysis and design methods of building structures are constantly improving, and structural performance is also improving. Meanwhile, artificial intelligence technology-assisted building structures are emerging as a highly researched field and have shown broad prospects in building structures. For these reasons, it is crucial to explore the developments and implementations of new materials, structures, methods and technologies in the wide realm of building structures. The main theme of this Special Issue of *Buildings* on “Research on Recent Developments in Building Structures” will focus on the recent challenges and developments in building structures.

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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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