



Recent Advance in Steel and Composite Structures

Guest Editors:

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Message from the Guest Editors

It is our pleasure to announce this Special Issue of *Buildings*, which will focus on novel theories and technologies with respect to steel and composite structures. Research studies addressing the following topics are mostly welcomed (but not limited to) for the current Special Issue:

- Various structural members or forms that are tailored for prefabricated and automated construction;
- Various loading scenarios, including earthquake, impact, explosion, fire, blast, and wind;
- Various novel structural applications of advanced construction materials;
- Various interdisciplinary technologies that promote the future generation of steel and composite buildings;
- The behavior and design of steel and composite structural members, joints, assemblies, and systems.

Deadline for manuscript
submissions:

closed (30 April 2023)





Editor-in-Chief

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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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