

Special Issue

Prefabricated and Modular Steel Structures

Message from the Guest Editors

Prefabricated steel structures permit a large portion of the building to be manufactured in a factory, making it environmentally friendly and highly efficient. This Special Issue focuses on the cutting-edge research progress in prefabricated and modular steel structures. Original contributions concerning the following research aspects (among others) are welcome:

- Case study and review on different types of prefabricated and modular steel structures;
- Recent innovations of critical joints for prefabricated and modular steel structures;
- Mechanical behavior and design method of prefabricated and modular steel structures;
- Failure mechanism of prefabricated and modular steel structures under extreme conditions, such as earthquakes, wind, fire, and so on;
- Static and seismic performance of bolted connections for steel structures, concrete structures, and steel-concrete composite structures;
- Intelligent construction of prefabricated and modular steel structures, etc.

Guest Editors

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Deadline for manuscript submissions

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.9 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).