

Special Issue

Steel Structures and Sustainable Building Structure System

Message from the Guest Editors

At present, environmental problems such as global warming, air pollution and construction waste are significant challenges all over the world. The development and utilization of steel structures and sustainable building structure systems are two of the solutions to solve these problems. Modern steel structures and sustainable building structures involve building systems with new structural forms and new materials. Design methods of such building systems are also hot topics of current research. In addition, the stability, fireproof performance and effect of imperfections are more prominent due to the unique characteristics of steel structures. This Special Issue aims to illustrate the key issues encountered in the development of steel structures and sustainable buildings, including new structural systems, design methods of structural systems and members, fire performance and stability. All related research is warmly welcomed.

Guest Editors

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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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