Special Issue

Novel Structural Systems, State-of-the-Art Technologies and Recent Projects of Large-Span Structures

Message from the Guest Editors

Large-span structures are typically utilized for stadiums, exhibition centers, industrial plants, and transportation hubs.....Therefore, it is of great importance to launch a Special Issue to collect the corresponding progress and major achievements.....The scope and topics include, but are not limited to

- Category 1: Novel Structural Systems
  - Steel structure;
  - Grid structure;
  - Plates and Shells structures;
  - Fabrics structures;
  - Tensegrity structures;
  - Timber structures.
- Category 2: State-of-the-art Technologies
  - Sustainable theory, method and technology;
  - AI theory, method and technology;
  - Structural health monitoring theory, method and technology;
  - Engineering-related technologies.
- Category 3: Recent Engineering Projects
  - Public buildings built;
  - Industrial buildings built;
  - Special structures .

For further reading, please follow the link to the Special Issue Website at:
https://www.mdpi.com/journal/buildings/special_issues/ Novel_Structural

Guest Editors

Dr. Jianhui Hu

Prof. Dr. Xudong Zhi

Dr. Jinzhi Wu

Prof. Dr. Xian Xu

Deadline for manuscript submissions

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Buildings
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
buildings@mdpi.com

mdpi.com/journal/buildings

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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

Prof. Dr. David Arditi
Construction Engineering and Management Program, Department of Civil, Architectural, and Environmental Engineering, Illinois Institute of Technology, 3201 South Dearborn Street, Chicago, IL 60616, USA

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JCR - Q2 (Construction and Building Technology) / CiteScore - Q1 (Architecture)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.1 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).