

Special Issue

Structural and Computational Mechanics of Steel/Concrete Structures

Message from the Guest Editor

This [Special Issue](#) brings together cutting-edge research at the intersection of structural mechanics, computational methods, and experiments. The papers highlight innovative applications in areas such as steel-concrete composite design, high-performance materials, structural health monitoring, resilience under extreme loading, and computational modeling techniques. In this [Special Issue](#), original research articles and reviews are welcome. Research areas may include (but are not limited to) the following topics:

- Advanced analysis methods for steel/concrete structures;
- Computational modeling techniques and simulations;
- Structural behavior and design of steel-concrete composite structures;
- High-performance materials for steel/concrete structures;
- Structural health monitoring and damage detection;
- Strengthening and retrofitting of existing structures;
- Life cycle analysis and sustainability.

Guest Editor

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Deadline for manuscript submissions

closed (25 June 2024)



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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

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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).