

Special Issue

Advances in Steel/FRP– Concrete Composite Structures: Analysis, Design and Application

Message from the Guest Editors

Dear colleagues, Steel/FRP–concrete composite structures have attracted worldwide attention in the past decades, owing to their advantages of easy construction, outstanding structural performance and better environmental benefits. This Special Issue aims to give an overview of the most recent innovations and advances in the field of steel/FRP–concrete composite structures and their applications. Original theoretical research, experimental work, case studies and comprehensive review papers are encouraged to be submitted. Topics relevant to this Special Issue include, but are not limited to, the following:

- Innovative steel/FRP–concrete composite structures;
- Novel construction technology of composite structures;
- Composite structures containing high-performance materials, e.g., ultra-high-performance concrete (UHPC) and engineering cementitious composites (ECC), etc.;
- Intelligent analysis of composite structures;
- Experimental research on composite structures;
- Design methodology of composite structures;
- Nonlinear finite element analysis of composite structures.

Guest Editors

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Deadline for manuscript submissions

closed (10 August 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

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