Special Issue

Advances in Steel-Concrete Composite Structure—2nd Edition

Message from the Guest Editors

Steel–concrete composite bridges can fully leverage the advantages of both steel and concrete and feature outstanding mechanical performance, convenient construction, and excellent economy. This Special Issue, entitled “Advances in Steel–Concrete Composite Structures”. Theoretical analysis, experimental research, case studies, and comprehensive review papers are invited for publication and relevant topics include, but are not limited to:

- Innovation in new form of steel–concrete composite structures;
- Steel–concrete composite bridge decks, girders, arch ribs, piers, and pylons;
- Composite structures with UHPC and other high-performance materials;
- The construction technology of composite buildings and bridge structures;
- The action of temperature, wind load, and other environmental impacts;
- The long-term performance of composite structures;
- Long-life design theory for composite structures;
- Refined numerical simulation method.

We look forward to receiving your contributions.

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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