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# Advances in Composite Construction in Civil Engineering

Guest Editor:

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Deadline for manuscript submissions:
**20 August 2024**

## Message from the Guest Editor

Composite construction involves the interaction of two or more separate elements acting together and contributing together rather than separately. Relevent materials include those reinforced with fiber, polymers, or chemical additives. Composite structures include sandwiched layers, framed structures, and attachments, etc. Innovations in structures and materials are commonly related and coordinated to achieve the target performance level.

With the introduction of a novel composite materials or structure, the following questions need to be addressed: what is the performance improvement of the new composite construction? What is the mechanism of composite construction? What is the environmental or economic impact of composite construction?

Scholars working in the area of composite construction are welcome to submit papers to answer these questions. This Special Issue offers a platform to showcase your findings, and will encourage the advancement of composite construction research among scholars worldwide.

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## Editor-in-Chief

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## 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.

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