Special Issue

Emerging Technologies and Approaches for Construction Safety Management

Message from the Guest Editors

For decades, improving health, wellbeing, and safety in construction has proved to be a major challenge.....A variety of emerging technologies may offer promising solutions to the long-standing safety challenges encountered in construction. In recent years, construction practitioners and academics have begun to leverage innovative technologies towards improved safety outcomes in the construction sector. However, many questions and challenges regarding technologically enhanced safety management approaches remain unaddressed. Many emerging technological tools and solutions for construction safety are still at a low level of maturity, and there is a lack of documented work on how they can be implemented in practice. This Special Issue will engage not only technological perspectives, but also managerial, cultural, and organizational aspects in managing safety in construction. Authors are invited to submit any novel work focused on improving construction safety and health. The listed keywords suggest just a few of the many possibilities. For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/buildings/special_issues/ P5LSNKL73F

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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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