Special Issue

Building Information Modelling (BIM) Applications in Construction Management

Message from the Guest Editors

The research and development of building information modelling (BIM) applications is now one of the most important and useful areas in the field of construction management due to its potential benefits and the nature of innovation. The Special Issue seeks papers on BIM applications in all related areas of construction management, including, but not limited to, clash detection, quantity take-off and cost estimates, project schedule and control, safety prediction and simulation, quality assurance, team collaboration, subcontracting, material supplies/fabrication, and the relationship between BIM and other emerging technologies such as artificial intelligence (AI), digital twins, virtual reality, Internet of Things (IOT), lean construction and construction cloud, etc. We invite submissions of both original research and critical reviews that address the above. For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/buildings/special_issues/UKS5G76I9K

Guest Editors

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Deadline for manuscript submissions

closed (5 April 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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