



BIM and Digital Construction

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Message from the Guest Editors

This Special Issue welcomes all technology developments, case studies, empirical research, and experimentation using BIM as core information to address these issues. The scope of the work includes, but is not limited to:

- The integration of BIM and smart construction technology;
- BIM and project delivery method;
- BIM and collaborative environment;
- BIM and construction management;
- Automation and robotics with BIM;
- BIM as big data;
- The value assessment of BIM and digital construction.



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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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