

Advanced BIM Application in Construction and Buildings II

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Message from the Guest Editor

Dear Colleagues,

Buildings (ISSN 2075-5309, indexed in SCIE) is organizing a Special Issue entitled “Advanced BIM Application in Construction and Buildings”.

Topics of interest for this Special Issue include, but are not limited to:

- BIM-based design and engineering automation;
- nD BIM modelling and construction management;
- ICT integrated engineering and management systems;
- BIM-assisted energy modelling and monitoring system development;
- Performance evaluation of BIM applications.

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Guest Editor



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Special Issue

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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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