



Research on BIM—Integrated Construction Operation Simulation

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Message from the Guest Editors

Dear colleagues,

The application of BIM technology in the construction industry has been very extensive, and BIM technology in the construction stage can solve various problems. The application of BIM technology to simulate the various needs of the construction process and improve construction efficiency, e.g., through construction synergy-related technology, connects various stakeholders involved in construction, greatly improving construction efficiency and quality, as well as the progress of construction. Therefore, we propose this Special Issue entitled to collect research results on BIM technology in integrated construction operation simulation, which will revolutionize the construction industry, including the road and bridge industry, as well as the construction industry. These results will revolutionize the depth of BIM technology application in the construction process of roads and bridges, municipalities, ports, tunnels, etc., including the construction industry.

Guest Editors





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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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