

Special Issue

Advances in BIM-Based Architecture and Civil Infrastructure Systems

Message from the Guest Editors

Industrial language, including representation and communication methods, is increasingly evolving based on building information modeling (BIM) in the architecture, engineering, and construction (AEC) industry. Furthermore, as it is associated with Industry 4.0 technologies, BIM plays a key role in the digital transformation of the AEC industry, acting as a backbone that serves as an information and knowledge container and carrier that supports smart design, smart construction, and smart operation and maintenance (O&M) throughout the project lifecycle. This Special Issue on “Advances in BIM-Based Architecture and Civil Infrastructure Systems” pursues not only academic advances but also industrial ones that include case studies and advanced practices. Therefore, the scope of this Special Issue covers research development, advanced practices, or case studies that involve BIM and/or Industry 4.0-relevant technologies, including but not limited to those listed in the keywords, throughout the AEC project lifecycle.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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