



BIM and GIS Integration for Driving Smarter Decisions

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Deadline for manuscript
submissions:

closed (31 December 2020)

Message from the Guest Editors

Dear Colleagues,

Building information modelling (BIM) is playing a key role in improving building life cycle information management. Geographic information systems (GIS) are widely used by the geospatial industry to gather, manage and analyse heterogeneous, geolocation-based data. Recently, Smart City, Digital Twin and City Brain have been attracting a lot of attention from researchers. The core idea behind those terms is to develop 3D digital replicas of the physical world by integrating BIM and GIS. Topics in our special issue include but are not limited to:

- BIM and GIS integration for smart cities and/or communities/smart infrastructure/life cycle asset data management/better project planning, design, construction, operation and maintenance;
- Data integration/interoperability between BIM and GIS;
- Semantic integration between BIM and GIS;
- Improvement of international open data standards: IFC, CityGML, InfraGML, etc.;
- Advancing BIM and GIS through Artificial Intelligence;
- BIM and GIS data visualisation;
- Web-based BIM and GIS integration;
- Other application of BIM and GIS integration.





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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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