

Dear Colleagues,

We are organizing a Special Issue entitled "Building Information Modeling and 3D GIS Integration: From the Theoretical to the Practical" in the online journal, */ISPRS International Journal of Geo-Information – IJGI/* (ISSN 2220-9964, IF 1.502, <http://www.mdpi.com/journal/ijgi>). We think you could make an excellent contribution and would like to invite you to contribute a paper.

Building Information Modeling (BIM) is an emerging technology providing an innovative process for generating and managing high-dimensional virtual representations of physical and functional characteristics of critical infrastructure. In recent years, BIM has attracted a great deal of interests from Geographic Information System (GIS) communities, due to the inherited benefits that can be synergistically gained by integrating two spatial modeling systems. However, there are severe scientific and technical barriers, which hinders a cohesive integration of BIM and GIS for fully conducting high-dimensional and multi-scale spatial data modeling, semantic analytics and visualization. This Special Issues aims to advance our understanding of how spatial data science and engineering can be applied to BIM for improving efficiency and accuracy of data processing, integration and operation. We welcome submissions that utilize BIM in the framework of GIS or vice versa, or that propose a mid-way integration of the two with methodological, theoretical, and practical innovations. Each paper should also include a short section on the future prospects for BIM/GIS integration. The special issue seeks to describe and discuss following topics but not limited to:

- Data model for BIM and GIS integration
- Level of Detail/Development Specification for BIM and GIS integration
- Spatial data analytics for BIM/GIS/BIM and GIS integration
- 3D GIS for BIM or BIM for 3D GIS
- As-built BIM reconstruction
- Heritage for BIM/GIS/BIM and GIS integration
- Infrastructure for BIM/GIS/BIM and GIS integration
- Smart city for BIM/GIS/BIM and GIS integration
- Visualization for BIM/GIS/BIM and GIS integration
- Simulation of building characteristics using BIM/GIS/BIM and GIS integration
- Case studies of BIM/GIS/BIM and GIS integration
- Comparison of theoretical and practical BIM/GIS integration
- Cloudsourced data generation and maintenance
- Open sources
- The n-dimension of BIM and GIS

For further reading, please follow the link to the Special Issue

http://www.mdpi.com/journal/ijgi/special_issues/building_3d_gis

If this topic is of interest, you may send your manuscript now or up until the **deadline (31 March 2018)**. Submitted papers should not be under consideration for publication elsewhere. We also encourage authors to send a short abstract or tentative title to the Editorial Office in advance (ijgi@mdpi.com or bella.zhi@mdpi.com).

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For details of the submission process, please see the instructions for authors,

<http://www.mdpi.com/journal/ijgi/instructions>.

To submit to the journal click

<http://susy.mdpi.com/user/manuscripts/upload/ac260e6e07115fe695897c821f473532?journal=ijgi>.

We hope this Special Issue is of interest to you and look forward to hearing from you.

Kind regards,

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