

Integration of BIM and GIS for Built Environment Applications

Guest Editors:

Prof. Dr. Lars Harrie

Department of Physical
Geography and Ecosystem
Science, Lund University, Lund,
Sweden

Dr. Francesca Noardo

Built Environment and
Architecture, Delft University of
Technology, Delft, The
Netherlands

Dr. Claire Ellul

Department of Civil,
Environmental and Geomatic
Engineering, University College
London, London, UK

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Message from the Guest Editors

Dear Colleagues,

The use of digital 3D spatial information systems is a driving force of change in the built environment process. In all stages from planning to maintenance, we need both detailed digital representations of single objects based on building information models (BIM) and more inclusive representation of whole cities and landscapes based on 3D geographic information systems (GIS). Therefore, there has recently been much focus on integrating BIM and GIS data and technologies, often denoted GeoBIM. This Special Issue aims to advance our understanding of how spatial data science and engineering can enhance our knowledge of how to integrate BIM and GIS. We welcome both submissions with a theoretical approach and more applied studies, e.g., we encourage studies about specific use cases and practical, replicable applications. Furthermore, we welcome submissions that promote the use of open standards, both by evaluating the current standards and tools in exercises such as benchmarking and by proposing extensions/improvements to the current open standards.

Prof. Dr. Lars Harrie
Dr. Francesca Noardo
Dr. Claire Claire Ellul
Guest Editors



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Editor-in-Chief

Prof. Dr. Wolfgang Kainz

Cartography and Geographic
Information Science, Department
of Geography and Regional
Research, University of Vienna,
Universitätsstr. 7, A-1010 Vienna,
Austria

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ISPRS International Journal of Geo-Information Editorial Office
MDPI, St. Alban-Anlage 66
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