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# 3D Urban Scene Reconstruction Using Photogrammetry and Remote Sensing

Guest Editor:

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Deadline for manuscript submissions:
**closed (30 April 2021)**

## Message from the Guest Editor

Dear Colleagues,

High-quality 3D city models are used in geographical information systems (GIS) for smart urban management, analysis and change monitoring. The increasing use of the smart city concept in a wider range of applications has underlined the need for accurate and updated geometric representations of the urban environment itself. Indeed 3D urban models are the geometric unit base for 3D geospatial environments and the integration of indoor data, while the semantic information associated with the 3D data enables spatiotemporal querying and analysis. Photogrammetry and remote sensing approaches are used to reconstruct urban scenes in 3D from satellite, aerial and terrestrial data, with different degree of automation, accuracy and replicability. This Special Issue aims to collect papers discussing the progress in photogrammetry and remote sensing for the geometric and semantic generation of 3D city models, from data collection and processing to 3D object identification, modelling and reconstruction, up to their representation, visualization and management in GIS environment.

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## Editor-in-Chief


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## Message from the Editor-in-Chief

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