Special Issue

3D Urban Scene Reconstruction Using Photogrammetry and Remote Sensing

Message from the Guest Editor

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.

Guest Editor

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Deadline for manuscript submissions

closed (30 April 2021)

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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

Editor-in-Chief

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