The Applications of 3D-City Models in Urban Studies

Guest Editor:

Prof. Dr. Volker Coors

Institute of Applied Research, HFT Stuttgart, Faculty of Surveying, Computer Science and Mathematics, Schellingstr. 24, 70174 Stuttgart, Germany

Deadline for manuscript submissions:
closed (31 August 2020)

Message from the Guest Editor

Cities are facing a digital transformation. This transformation process becomes visible through the concept of "smart cities". Urban data have become a resource of high interest for a multitude of applications. Examples therefore are urban mobility, environmental and climate protection, waste management, sustainable use of energy, and the provision of city administration services. Smart services, smart data, and 3D city modeling are terms that stand for the future tasks of a digital economy and society.

This Special Issue aims at collecting examples of original research in urban studies using 3D city and landscape models. In many cases, the 3D city model is following the OGC standard CityGML, but research using other data models such as CityJSON, OSM, etc. is appreciated as well. The focus will be the additional value of 3D and sensor data that enable data-driven methodologies to find new solutions to urban issues such as transportation, energy demand, urban climate, air quality, flooding, safety, citizens perception/emotional maps, and the social city. Submissions which cover but are not limited to these topics are highly welcome.

Special Issue

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

Message from the Editor-in-Chief

The *ISPRS International Journal of Geo-Information* invites you to submit research articles, reviews, and reports covering topics of the whole domain of geo-information. Although the journal was only founded in 2012, it has already achieved wide recognition in the scientific community. We are proud that since April 2015, our journal is indexed by the SCIE of the Web of Science. As Editor-in-Chief, I encourage you to consider *IJGI* for your scientific papers and would be pleased to welcome you as authors.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), GeoRef, PubAg, dblp, Astrophysics Data System, Inspec, and other databases.
Journal Rank: JCR - Q2 (*Remote Sensing*) / CiteScore - Q1 (Geography, Planning and Development)

Contact Us