

Special Issue

Applications of Laser Scanning and Photogrammetry in Civil Engineering and Architecture: Beyond 3D Modeling

Message from the Guest Editors

At present, terrestrial laser scanning and photogrammetry are geomatics surveying techniques very widely applied in civil engineering and architecture. The final output of such terrestrial or aerial techniques is a dense cloud of millions (billions?) of points, often obtained from a suitable and non-trivial integration. At the end of the processing workflow, the modeling procedures can produce “surface” or “object” models. The second modeling approach, well known as “scan-to-BIM”, deals with still open problems and requires interventions from the users. Emerging and open themes of the Special Issue could be optimal integration among systems (UAV and terrestrial data, laser scanner and image/video photogrammetry) and with thermal multi-hyperspectral sensors; suitable integration of geomatic and material data for HBIM applications; metrological analysis of geomatic data for restoration projects; and exploitation of finite elements method (FEM) structural analysis using BIM models.

Guest Editors

Dr. Domenico Visintini

Department of Engineering and Architecture, University of Udine, 33100 Udine, Italy

Dr. Filiberto Chiabrando

Department of Architecture and Design, Polytechnic University of Turin, 10129 Turin, Italy

Deadline for manuscript submissions

closed (31 December 2022)



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



mdpi.com/si/50012

Remote Sensing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

[mdpi.com/journal/
remotesensing](https://mdpi.com/journal/remotesensing)





Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



[mdpi.com/journal/
remotesensing](https://mdpi.com/journal/remotesensing)



About the Journal

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

Dr. Prasad S. Thenkabail

Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

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), Ei Compendex, PubAg, GeoRef, Astrophysics Data System, Inspec, dblp, and other databases.

Journal Rank:

JCR - Q1 (Geosciences, Multidisciplinary) / CiteScore - Q1 (General Earth and Planetary Sciences)