



UAVs for Civil Engineering Applications

Guest Editor:

Dr. Tamás Lovas

Department of Photogrammetry
and Geoinformatics, Budapest
University of Technology and
Economics, H-1111 Budapest,
Hungary

Deadline for manuscript
submissions:

closed (28 February 2023)

Message from the Guest Editor

Dear Colleagues,

Civil engineering projects (e.g., building construction, road construction, public works) require reliable, accurate spatial data. In many cases, the construction sites are difficult to reach or field measurements would disturb the onsite works. Although the innovation level of civil engineering projects is mostly low, there is a huge potential to improve the level of automation, using building information modeling (that requires accurate geometry as input) and digital twin models (near real-time monitoring of construction sites from the beginning). The as-built models effectively support the operational phase of the building's lifecycle and facility management. Unmanned aerial vehicles (UAVs) are cost-effective tools for carrying various sensors (cameras, laser scanners) and are able to provide point clouds in a short period of time. In particular, civil engineering design, construction or operational phases, and UAVs potentially replace traditional surveying methods.

Dr. Tamás Lovas
Guest Editor





an Open Access Journal by MDPI

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

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.

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)

Contact Us

Remote Sensing Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
[X@RemoteSens_MDPI](https://twitter.com/RemoteSens_MDPI)