



Applications of Laser Scanning in Urban Environment

Guest Editors:

Dr. Henrique Lorenzo

Close-Range Remote Sensing &
Photogrammetry Group,
University of Vigo, EUET Forestal,
Campus A Xunqueira s/n, 36005
Pontevedra, Spain

Dr. Pedro Arias-Sánchez

Applied Geotechnologies Group,
Department of Natural Resources
and Environmental Engineering,
School of Mining Engineering,
University of Vigo, 36310 Vigo,
Spain

Deadline for manuscript
submissions:

15 June 2024

Message from the Guest Editors

Dear Colleagues,

The use of laser scanning has increased in the last two decades to obtain detailed representations of urban and natural environments.

This Special Issue is dedicated to publishing high-quality original research articles, reviews and applications on the use of Mobile Mappers in urban city environments, from a wide-ranging perspective. Potential topics include, but are not limited to, the following:

- Data acquisition: road/street inventory, car/pedestrian safety, road/street maintenance, city mapping, building 3D mapping, transportation infrastructure mapping;
- Point cloud and image processing: geo-intelligence, artificial intelligence, machine learning, deep learning, big data;
- Digital city projects: modelling, digital twins, resource optimisation;
- New sensors: multi-sensor, multi-spectral and multi-angular systems; autonomous driving, low-cost devices;
- Reviews of the state of art in Mobile Laser Scanning.

Dr. Henrique Lorenzo

Dr. Pedro Arias-Sánchez

Guest Editors





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, St. Alban-Anlage 66
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)