Special Issue

Mapping and Monitoring of Civil Infrastructures Using LiDAR/Laser Scanning

Message from the Guest Editor

Laser scanning/LiDAR technology provides a relatively efficient and precise mapping tool that is being employed both in academic studies and industrial projects. Over recent years, laser scanners have been widely used for mapping and monitoring purposes since they enable a thorough and precise 3D documentation of structures and objects. This Special Issue will collect work on the latest innovative research results in this field. In addition, reviews and contributions are welcomed. Original and innovative contributions may include, but are not limited to:

- Mapping of civil infrastructure elements;
- Monitoring of civil assets;
- New methodologies for extraction and/or modeling of objects from laser scanning data;
- Innovative applications of laser scanning in academic studies, engineering, industrial, and construction projects;
- Developing novel and computationally efficient algorithms for point cloud processing;
- Automated object modeling methods;
- Interdisciplinary and higher-level studies on various aspects of employing laser scanning technology such as feasibility, strength, challenges, and effectiveness.

Guest Editor

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Deadline for manuscript submissions

15 May 2025

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 8.3

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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.

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