Special Issue

Road Detection, Monitoring and Maintenance Using Remotely Sensed Data (2nd Edition)

Message from the Guest Editors

This Special Issue invites submissions addressing the latest developments in these areas, including innovative methodologies, applications and case studies. The aim here is to further support road authorities and researchers in identifying the most suitable remote surveys for various types of infrastructure, integrating these surveys with ancillary data, and optimizing maintenance strategies using AI. Topics of interest include (but are not limited to) the following:

- Monitoring of road networks by remote techniques (satellite-, aerial-, ground-, and subsoil-based nondestructive techniques);
- Integration of remotely sensed data in pavement monitoring and maintenance activities;
- Analysis, quantification and integration of environmental impacts within pavement management systems;
- Integration of remote non-destructive technique outcomes and ancillary data sources (topography, geology, hydrology, geomorphology);
- Machine/deep learning algorithms for the fusion of remote non-destructive technique data in road detection, road monitoring, and road maintenance;
- Digital twins for pavement management systems.

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Deadline for manuscript submissions

31 December 2025



an Open Access Journal by MDPI

Impact Factor 4.1 CiteScore 8.6



mdpi.com/si/224005

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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 peerreview 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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