Special Issue

Applications of Remote Sensing to Inland Transportation Infrastructure Monitoring and Intelligent Transport System Planning

Message from the Guest Editors

Surveying technologies, including both terrestrial and satellite remote sensing, have been extensively adopted for the condition monitoring of critical infrastructures in recent decades. There has been an intense research activity not only evaluating single platforms of data sources, but also remote sensing, which is playing a key role in multidisciplinary projects where multiscale and multidimensional approaches are being proposed for large-scale infrastructure monitoring. Artificial Intelligence is also an emerging topic in remote sensing, accelerating the adoption of remotely sensed data by experts from outside of the geomatics domain. This is motivated by the extensive capabilities of many branches of AI to automatically and efficiently handle, process, and model large datasets. The successful extraction of information from geospatial data has noticeably impacted the deployment of infrastructure BIM.

This Special Issue aims at compiling the latest developments in automated processing of various remote sensing datasets using the aforementioned AI techniques in applications focused on the monitoring of inland transportation networks and planning of intelligent transport systems.

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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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