Special Issue

Imaging Geodesy and Infrastructure Monitoring II

Message from the Guest Editors

In recent years, geodetic imaging techniques, such as LiDAR scanning, structure from motion (SfM) with UAV imagery, satellite/ground-based Interferometric Synthetic Aperture Radar (InSAR), sub-pixel offset tracking with optical/SAR images, and the difference of digital elevation models (DEM) acquired from remote and in-situ instruments, have achieved remarkable advancements. However, the application of geodetic imaging techniques within the civil engineering community, especially for hazard assessment and mitigation, has yet to be fully explored and utilized. The primary objective of this special issue is to showcase the progress of geodetic imaging techniques in monitoring infrastructures, with focus on hazard assessment (e.g., landslides, earthquakes, volcanoes) or environmental changes (e.g., permafrost degradation, floods). We encourage submissions on the theory and method advancements for geodetic imaging techniques. Topics of interest include but are not limited to:

- SAR/InSAR data processing methods in urban regions
- Theory and methods on in-situ geodetic imaging data processing
- Geohazard monitoring and resilience assessment of infrastructures

Guest Editors

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Deadline for manuscript submissions

closed (31 March 2024)

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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.

Editor-in-Chief

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