



## Imaging Geodesy and Infrastructure Monitoring II

Guest Editors:

**Dr. Xiaowen Wang**

**Prof. Dr. Keren Dai**

**Dr. Jie Dong**

**Dr. Rui Zhang**

**Prof. Dr. Roberto Tomás**

Deadline for manuscript  
submissions:

**closed (31 March 2024)**

### Message from the Guest Editors

Dear Colleagues,

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





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Dr., Flagstaff, AZ 86001, USA

## Message from the Editor-in-Chief

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*Remote Sensing* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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