



Ground and Structural Deformations Monitoring Systems Integrating Remote Sensing and Ground-Based Data

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Message from the Guest Editors

Ground deformation represents a growing problem that affects hundreds of millions of people worldwide. The surface changes due to landslides, volcanic activities, land subsidence, etc., can lead to structural damage of buildings and infrastructures, loss of extensive agricultural and/or natural areas, the rise of salt wedges, and the regression of coastlines, and can have a significant economic and social impact. Ground deformation monitoring plays a key role in the management of such natural hazards by providing cost-effective solutions for risk mitigation strategies.

This Special Issue of Remote Sensing is devoted to all topics related to ground (including landslides, land subsidence, coastal erosion, etc.) and structural (civil structures, e.g., buildings, bridges, dams, etc.) deformation monitoring systems using remote sensing techniques (in particular, but not limited, to InSAR) complemented with ground-based data (e.g., GNSS, precise leveling, structure from motion photogrammetry, terrestrial laser scanning), including measurements from airplanes, helicopters, and drones.





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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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