Special Issue

Earth Observations for Land Subsidence Identification, Monitoring and Their Contribute to Modeling

Message from the Guest Editors

Land subsidence represents the main reaction to superficial and deep deformations induced by multiple natural and anthropic phenomena (i.e. vadose zone processes as swelling/shrinkage of clay soils, soil consolidation, aquifer compaction, solid and fluid extraction and load-induced compaction etc.) which take place at different spatio-temporal scale. Earth observations, including SAR approaches such as multi-temporal processing algorithms, represent a powerful tool for the geoscience community to investigate the land subsidence around the world, with unprecedented spatial and temporal resolution. Authors are encouraged to submit articles about innovative research or case studies which may include, but are not limited to, the following topics:

- innovative methods to use Earth Observation, such as the exploitation of the great potential contained in the displacement time series for land subsidence identification;
- integrated monitoring system to measure ground deformation (land subsidence, uplift and seasonal movements);
- remote sensing support to understand the land subsidence mechanisms;
- land subsidence modeling.

Guest Editors

Prof. Dr. Claudia Meisina
Dr. Francesco Zucca
Dr. Roberta Bonì

Deadline for manuscript submissions

closed (31 October 2020)

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Message from the Editorial Board

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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