remote sensing

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GNSS for Geosciences

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Deadline for manuscript submissions:
closed (15 March 2021)

Message from the Guest Editors

Dear Colleagues,

Today GNSS is widely used in uncountable geosciences researches, such as plate tectonics, earthquake mechanics, volcano monitoring, glacial isostatic adjustment. GNSS is an ideal tool for these studies as it can remotely and continuously provide 3D surface positions with millimetric precision at a relatively inexpensive cost. Currently, GNSS observations are widely used for the retrieval of precipitable water vapor for the benefit of weather forecasters and numerical weather prediction. The contributions extend from application to the whole atmosphere, through the radio-occultation technique, down to the scale of the retrieval of soil moisture through GNSS reflectometry.

This Issue welcomes articles presenting innovative research or case studies on the application of GNSS and integration with other geodetic techniques. Suitable topics, but not exclusively, could be:

Plate tectonics, seismic cycle;

Volcano, earthquake, rockslide monitoring;

Loading phenomena due to past and present mass variations in the Earth's ice sheets, continental water balance, and the associated sea level changes;

GNSS meteorology, ionosphere sounding, radio occultation, reflectometry.

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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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