Special Issue

Space Geodesy and Ionosphere

Message from the Guest Editors

Global Navigation Satellite System (GNSS) networks for monitoring the ground deformations of tectonic and volcanic areas and sea-level research have dramatically progressed worldwide during the last two decades. Apart from the geodetic and topographic applications for solid earth, the data provided by such networks can be used to obtain ionospheric Total Electron Content (TEC) maps. These maps are useful to support both high-frequency (HF) radio communications and GNSS users. They can also be used to study the ionosphere morphology and dynamics during strong space weather events. For example, TEC mapping has shown great capability in capturing the evolution of Storm-Enhanced Density (SED) and the significant TEC gradients it creates.

The aim of this Special Issue is to show how precise positioning is affected by space weather events in static and kinematic geodetic applications and how the most recent techniques of analysis can mitigate this effect, leading to new findings related to the ionosphere.

For more information:
https://www.mdpi.com/si/63500

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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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