



Space Geodesy and Ionosphere

Guest Editors:

Dr. Carlo Scotto

Istituto Nazionale di Geofisica e
Vulcanologia, Via di Vigna Murata
605, 00143 Rome, Italy

Dr. Marco Anzidei

Istituto Nazionale di
Vulcanologia, Via di Vigna Murata
605, 00143 Rome, Italy

Deadline for manuscript
submissions:

closed (10 May 2022)

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>





an Open Access Journal by MDPI

Editor-in-Chief

Dr. Prasad S. Thenkabail

Senior Scientist (ST), U. S.
Geological Survey (USGS), USGS
Western Geographic Science
Center (WGSC), 2255, N. Gemini
Dr., Flagstaff, AZ 86001, USA

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubAg, GeoRef, Astrophysics Data System, Inspec, dblp, and other databases.

Journal Rank: JCR - Q1 (Geosciences, Multidisciplinary) / CiteScore - Q1 (General Earth and Planetary Sciences)

Contact Us

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

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
[X@RemoteSens_MDPI](https://twitter.com/RemoteSens_MDPI)