Special Issue

Advances in GNSS for Time Series Analysis

Message from the Guest Editors

GNSS station coordinates time series which usually contains linear and nonlinear signals caused by tectonic movements, annual variations caused by mass loads, co-seismic and post-seismic deformation, the inflation and eruption of active volcanoes, glacial-isostatic adjustment and its effects on relative sea level, as well as uneliminated systematic errors in GNSS data processing. However, real-time earth deformation monitoring at different temporal and spatial scales requires higher GNSS precision. How to distinguish the above signals from other geophysical processes, especially for transient and weak signals related to tectonic deformation, and obtain high precision crustal movement information, is an urgent problem in the current coordinate time series analysis. The Articles of this Special Issue may address, but are not limited to, the following topics:

- GNSS coordinate timeseries analysis;
- Detection and analysis of signals derived from geodetic time series data;
- Active crustal deformation processes observed by GNSS;
- Multivariate statistical techniques application on GNSS;
- Noise in GPS position time-series.

Guest Editors

Prof. Dr. Junping Chen

Dr. Alfonso Vitti

Dr. Weijie Tan

Dr. Nannan Guo

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Remote Sensing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

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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.

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

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