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High-Precision GNSS in Remote Sensing Applications

Guest Editor:

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Deadline for manuscript submissions:
closed (30 November 2018)

Message from the Guest Editor

Global Navigation Satellite Systems (GNSS) have found widespread use, not only for position determination, but also, more and more, for a wide range of remote sensing applications. In those applications, GNSS observations are used for determining physical parameters that are of interest to Earth sciences.

You are invited to contribute to this Special Issue to present advances and challenges in the field of high-precision GNSS remote sensing regarding concepts/principles, signal and data processing, error modelling, modelling of geophysical processes, and performance in terms of availability, continuity, accuracy and integrity.

Topics may include, but are not limited to:

GNSS reflectometry (ocean/lake levels, sea state, soil moisture, vegetation, snow depth);
Atmospheric sounding (troposphere and ionosphere, weather forecasts, climate research);
Geohazard monitoring/alarm systems (landslides, earthquakes, volcanoes, tsunamis);
Surface deformation (land uplift, crustal deformation, glacier motion, man-induced subsidence);
Ocean currents and tides;
Animal tracking.

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Message from the Editor-in-Chief

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