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High-Precision GNSS in Remote Sensing Applications

Guest Editor:

Dr. Sandra Verhagen

Geoscience and Remote Sensing,
Civil Engineering and
Geosciences Faculty, TU Delft,
Delft, The Netherlands

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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Special Issue



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Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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