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IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing

Special Issue on
“IEEE GNSS+R 2021 Specialist Meeting on
Reflectometry using GNSS and other Signals of Opportunity (GNSS+R 2021)”

GNSS-R and SoOP-R (also known as GNSS+R) remote sensing from ground, airborne and space-based observation platforms is the focus of geophysical and engineering research with a broad spectrum of Earth observation applications, which exhibits unique characteristics to complement other active and passive Earth observation methods. Geophysical parameters, which can be sensed by GNSS+R include ocean surface winds, sea surface height, soil moisture, ice properties, snow water equivalent, vegetation biomass, among others.

The IEEE GNSS+R 2021 specialist Specialist Meeting on Reflectometry using GNSS and other Signals of Opportunity, 14-17, Sep. 2021 (website: ieeegnssr2021.org) continues with the major topics of the very successful GNSS+R workshop series. For the first time in GNSS+R history, it also offers a dialog platform for the GNSS+R and GNSS Radio Occultation (RO) communities.

This special issue aims to present recent advances of GNSS+R in satellite missions, data processing, sensor calibration, product validation, retrieval algorithm development, data assimilation and other applications.

Topics relevant for this publication include (but are not limited to):

- Satellite missions
- Modeling, calibration
- Product validation
- Ocean winds, roughness and waves applications
- Ocean altimetry
- Land applications
- Cryosphere applications
- Data assimilation
- Target detection and other novel civil applications
- Synergies between GNSS+R and GNSS RO and other related fields

The contributors of this special issue are mainly (but not exclusively) from the IEEE GNSS+R 2021 conference.

Schedule

October 1, 2021	Submission system opening
March 31, 2022	Submission system closing

Format

All submissions will be peer reviewed according to the IEEE Geoscience and Remote Sensing Society guidelines. Submitted articles should not have been published or be under review elsewhere. Submit your manuscript on <http://mc.manuscriptcentral.com/jstars>, using the Manuscript Central interface and select the “GNSS+R 2021” special issue manuscript type. Prospective authors should consult the site <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=9082768> for guidelines and information on paper submission. All submissions must be formatted using the IEEE standard format (double column, single spaced). For a template in this format please see http://www.ieee.org/publications_standards/publications/authors/author_templates.html. Please note that as of Jan. 1, 2020, IEEE J-STARS has become a fully open-access journal charging a flat publication fee \$1250 per paper.

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