



## Applications of GNSS Reflectometry for Earth Observation III

Guest Editors:

**Dr. Nereida Rodriguez-Alvarez**

Jet Propulsion Laboratory,  
California Institute of  
Technology, 4800 Oak Grove  
Drive, Pasadena, CA 91109, USA

**Dr. Mary Morris**

Jet Propulsion Laboratory,  
California Institute of  
Technology, 4800 Oak Grove  
Drive, Pasadena, CA 91109, USA

**Dr. Joan Francesc Munoz-  
Martin**

Jet Propulsion Laboratory,  
California Institute of  
Technology, 4800 Oak Grove  
Drive, Pasadena, CA 91109, USA

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submissions:

**closed (31 October 2023)**

### Message from the Guest Editors

Dear Colleagues,

The availability of data from missions such as the Cyclone Global Navigation Satellite System (CYGNSS) and TechDemoSat-1 (TDS-1) has had a significant impact on the scientific return of the Global Navigation Satellite System Reflectometry (GNSS-R) measurements. Data from these missions demonstrate the capabilities of GNSS-R and build on many applications that relate the properties of scattered GNSS signals to geophysical parameters. TDS-1 provides global data coverage, while the constellation of CYGNSS spacecraft, although limited to the tropics ( $\pm 37^\circ$  latitude), provides observations on rapid timescales with high spatial resolution. Equally important are measurements from airborne and ground-based instruments; these data enable investigations of the sensitivity of GNSS-R measurements to different phenomena and their use in new applications at a local/regional scale.

We encourage the submission of works related to the synergistic use of GNSS-R data with data from other sensors at the same or different frequency of operations, enhancing spatial resolution and/or temporal sampling to improve estimates of geophysical parameters.





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### 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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## Contact Us

*Remote Sensing* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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