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Applications of GNSS Reflectometry for Earth Observation

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closed (31 January 2021)

Message from the Guest Editors

Dear Colleagues,

The availability of data from missions such as CYclone Global Navigation Satellite System (CYGNSS) and TechDemoSat-1 (TDS-1) has made 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.

We invite authors to submit their work on applications that use GNSS-R data for Earth science. Suggested topics include, but are not limited to, the following:

- Ocean, land, or cryosphere applications using GNSS-R;
- Applications using GNSS-R ground-based or airborne measurements;
- Applications using GNSS-R satellite measurements;
- GNSS-R based neural networks for specific applications;
- GNSS-R based classification algorithms for targeted applications;
- GNSS-R and SAR/Radiometer/Optical combined products;
- Downscaling or enhancement methods employing GNSS-R.



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