



CALL FOR PAPERS

IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing Special Issue on “IEEE GNSS+R 2025 - Specialist Meeting on Reflectometry using GNSS and other Signals of Opportunity”

The IEEE GNSS+R 2025 took place in 23-25 April 2025 and provided a forum for experts and users to share the most recent achievements and advances in science, engineering and applications of Reflectometry using signals of Global Navigation Satellite Systems (GNSS) as well as other signals of Opportunity (SoOP). The meeting focused on recent progress in modelling, instrumentation, algorithms and applications of GNSS-R and SoOP-R for remote sensing of land, ocean, cryosphere, atmosphere and ionosphere. This special issue allows the workshop participants to share their results with a broader audience for gaining stronger visibility of their achievements, and also invites papers from other researchers working in this field.

The broad topics include (but are not limited to):

- Theory and modelling
- Data and signal processing techniques
- Retrieval algorithms
- Data calibration/validation
- New and existing satellite missions
- Ground and airborne campaigns
- Technology and instrumentation
- Data Assimilation approaches and experiments
- Data fusion using reflectometry from GNSS and SoOP
- Machine Learning using reflectometry from GNSS and SoOP
- Applications of GNSS-R and SoOP-R for ocean, land, cryosphere and atmosphere/ionosphere remote sensing

Schedule

January 1, 2026, Submission system opening

June 30, 2026, 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 IEEE GNSS+R 2025 - Specialist Meeting on Reflectometry using GNSS and other Signals of Opportunity” special issue manuscript type. Prospective authors should consult the site <https://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). Please visit http://www.ieee.org/publications_standards/publications/authors/author_templates.html to download a template for transactions. Please note that since Jan. 1, 2025, IEEE J-STARS, as a fully open-access journal, is charging a flat publication fee of \$1,800 per paper.

Guest Editors

Maria Paola Clarizia	ESA/ESTEC, The Netherlands (mariapaola.clarizia@esa.int)
Manuel Martin-Neira	ESA/ESTEC, The Netherlands (Manuel.Martin-Neira@esa.int)
Weiqliang Li	ICE-CSIC/IEEC, Spain (weiqliang@ice.csic.es)
Emanuele Santi	IFAC/CNR, Italy (e.santi@ifac.cnr.it)
Nazzareno Pierdicca	Sapienza University of Rome, Italy (nazzareno.pierdicca@uniroma1.it)