



CALL FOR PAPERS

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

“Advances in Ground Penetrating Radar (GPR) Science, Technology and Applications”

This Special Issue of the *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing (JSTARS)* features extended papers from the 13th International Workshop on Advanced Ground Penetrating Radar (IWAGPR2025), held in Thessaloniki, Greece, from July 2 to 4, 2025. It highlights recent advances in GPR science, technology and applications, with contributions selected from high-quality, peer-reviewed papers presented at the conference that were invited to be extended into full-length journal papers for this Special Issue of *IEEE JSTARS*.

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

- Novel developments in GPR Systems and Antennas.
- Advanced Data and Image Processing Algorithms.
- Forward Modelling Techniques and Inversion Methodologies.
- Artificial Intelligence and GPR.
- Archaeology and Cultural Heritage.
- Engineering and Geotechnical Applications (e.g., utility detection, road & pavement inspection, concrete evaluation, NDT, tunnelling, mining, etc.).
- Geological and Environmental Applications (e.g., geology, sedimentology, hydrogeophysics, soil contamination, agriculture, cryosphere/glaciology, planetary exploration, etc.).
- Forensic, Security and Search-&-Rescue Applications (e.g., unexploded ordnance & landmine detection, etc.).

Schedule

October 15, 2025: Submission system opening

January 31, 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 “**Advances in Ground Penetrating Radar (GPR) Science, Technology and Applications**” 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, 2024, IEEE J-STARS, as a fully open-access journal, is charging a flat publication fee \$1,800 per paper.

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