



CALL FOR PAPERS

IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing Special Issue on “Agro-Geoinformatics in Applied Earth Observation and Remote Sensing”

Agro-geoinformatics is a critical research and application area of Earth Observation (EO) and Remote Sensing (RS). Since 2012, the International Conference on Agro-Geoinformatics has been serving as a platform for the EO/RS community to exchange the state-of-the-art theory, technologies, and applications of geoinformatics in agriculture. Continuing this distinguished tradition, the 13th International Conference on Agro-Geoinformatics (Agro-Geoinformatics 2025) is held on July 7-10, 2025, in Boulder, Colorado, USA, organized and hosted by the International Society of Agromatics (ISAM), NSF National Center for Atmospheric Research (NCAR), and Center for Spatial Information Science and Systems of George Mason University with technical sponsorships from IEEE Geoscience and Remote Sensing Society (GRSS) and Open Geospatial Consortium (OGC).

In conjunction with Agro-Geoinformatics 2025, the IEEE J-STARS invites submissions for the special issue on “Agro-Geoinformatics in Applied Earth Observation and Remote Sensing”. We encourage both conference attendees and the broader geoscience and RS community to submit high-quality, original research and review papers that explore the application of EO/RS data, theory, and technologies in agro-geoinformatics.

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

- Agricultural remote sensing
- Agricultural big data processing and storage
- Agricultural decision support systems
- Agricultural digital twins
- Agricultural ecosystem monitoring, assessment, conservation, and sustainability
- Agro-AI/ML
- Agro-informatics standards and interoperability
- Agro-meteorology
- Agro-system modeling, simulation, and prediction
- IoT applications in agriculture
- Land use and land cover change
- Precision agriculture
- Remote sensing-based agricultural disaster monitoring, assessment, and mitigation
- Remote sensing monitoring and modeling of agricultural greenhouse gases
- Theories, methodologies, and algorithms in Agromatics

Schedule

September 1, 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 “Agro-Geoinformatics in Applied Earth Observation and Remote Sensing” 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, charges a flat publication fee \$1,800 per paper.

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