2026 JACIE Vendors List

Science Systems and Applications Inc. (SSAI)

The JACIE Team thanks SSAI for being a sponsor! This workshop would not have been possible without their contribution.

Science Systems and Applications, Inc. (SSAI) is an SBA-certified Woman-Owned Small Business (WOSB) that was founded in 1977. SSAI headquarters is in Maryland near NASA Goddard Space Flight Center, along with regional locations around the country. SSAI has a long history of contributions to NASA, NOAA, USGS, and EPA having played an important role in more than 160 Space and Earth observing missions. SSAI activities span across Earth sciences (including geophysics, geodesy, hydrology, and cryospheric sciences), planetary sciences, and heliophysics.

Current projects supported include:

- the Landsat mission Calibration Team and Landsat Science Team.
- the Plankton, Aerosol, Cloud ocean Ecosystem (PACE) mission.
- the ICESat-2 mission data and user applications, science, education and outreach.
- Space weather research and the assessment of radiation impact on aviation.
- Internal SSAI Research and Development investments to support Artemis and Moon to Mars strategic goals.

SSAI also has 2 subsidiaries including Advanced Mission Partners, which focuses on the design, manufacture, and test of high-reliability electronic subassemblies, systems, and machined components for all applications; and Elucidation Concepts, which provides System Engineering, System Integration Testing, Test Management, and Test & Evaluation (T&E) technical services.

SSAI will share: Demonstration of core capabilities in science, and technology

Wyvern

The JACIE Team thanks Wyvern for being a sponsor! This workshop would not have been possible without their contribution.

Wyvern, a Canadian space data company, is revolutionizing Earth observation with cutting-edge hyperspectral imagery. Their Dragonette constellation delivers the highest-resolution commercial hyperspectral data from space, powering mission-critical applications in defense, wildfire prevention, environmental monitoring, and resource management. By revealing the unseen chemical and material signatures of our planet, Wyvern enables decision-makers to act faster, smarter, and more sustainably: creating a Better Earth, From Space. Learn more at wyvern.space.

Wyvern will share:	• VNIR data products (31 bands, 5.3 m GSD) and highlight real-world applications in agriculture, forestry, mining, and environmental monitoring. • Wyvern's team will be available to discuss access to our data, including our Open Data Program, as well as partnerships, and upcoming product releases.

Boston Geospatial

Boston Geospatial is a U.S.-based geospatial intelligence and hazard-analytics company specializing in advanced SAR processing, multi-sensor data fusion, and physics-based terrain modeling. Our mission is to deliver high-resolution, operational ground-motion intelligence that strengthens infrastructure resilience and supports decision-makers across defense, civil, and critical-infrastructure sectors.

We develop and operate a sensor-agnostic InSAR processing pipeline and a suite of analytics tools that quantify subsidence, uplift, seasonal dynamics, and geohazard-related loading. Boston Geospatial's current portfolio includes funded research with the Department of Homeland Security, the U.S. Space Force, and the U.S. Air Force focused on permafrost degradation, geotechnical risk to airfields and remote installations, and long-term environmental change in Arctic and high-latitude regions.

Our platform integrates interferometric time series, thermal and hydrologic datasets, GNSS, LiDAR, and physics-based models to map active-layer thickness, detect

thaw-induced instability, characterize runway and facility vulnerability, and provide continuous monitoring for mission-critical sites.

Boston Geospatial supports partners through scalable data services, custom modeling, and deployable monitoring solutions that translate complex geophysical signals into actionable intelligence. Our work enables federal agencies and communities to anticipate hazards, prioritize investments, and enhance readiness in some of the most remote and rapidly changing environments on Earth."

Boston Geospatial will share:	• Its advanced InSAR-based natural hazard risk monitoring platform, highlighting recent projects funded by DHS, Space Force, and the Air Force. • Displays and case studies demonstrating how we leverage radar interferometry to monitor permafrost, assess ground stability for critical infrastructure, and detect geotechnical risks at airfields and in remote communities. Attendees will learn how our capabilities support decision-makers in understanding and mitigating subsidence, thaw-induced instability, and long-term terrain deformation-enhancing resilience across harsh and vulnerable environments.

CEOS (Committee on Earth Observation Satellite)

The Committee on Earth Observation Satellites (CEOS) ensures international coordination of civil space-based Earth observation programs and promotes exchange of data to optimize societal benefit and inform decision making for securing a prosperous and sustainable future for humankind. The CEOS Working Group on Calibration and Validation (WGCV) ensures long-term confidence in the accuracy and quality of Earth Observation data and products and provides a forum for the exchange of information about calibration and validation, including the coordination of cooperative activities.

CEOS will share:	• An exhibition to showcase and share work from across the organization, focusing on activities relating to calibration & validation (CEOS WGCV) and CEOS Analysis Ready Data (CEOS-ARD).

CogniAI Inc.

CogniAI (cogniai.com) delivers tailored enterprise AI and IT solutions that align with specific business strategies and operational needs. Its core offerings include Generative AI for content creation and data augmentation, NLP and LLMs to drive advanced communication and analytics, and AI-Enhanced Data Analytics for turning large datasets into actionable insights. CogniAI also supports AI-based automated testing, data anonymization to protect sensitive information, and comprehensive integration services that connect AI seamlessly into existing enterprise systems. Additional capabilities span custom IT services such as broadband data collection, server virtualization, network solutions, and continued IT support positioning it as AI innovator and full-spectrum IT partner for digital transformation, modernization, and scalable, industry-specific solution delivery.

CogniTwin (cognitwin.io) specializes in real-time geospatial digital twin platforms that fuse GIS data, satellite imagery, LiDAR/DEM models, weather and IoT sensor streams, and AI/LLM reasoning into dynamic, decision-ready models of physical environments. Its solutions include flood, wildfire, urban infrastructure, health, and human operational twins that simulate risk, forecast events, and support resource optimization and emergency response. Designed for governments and mission-critical applications, CogniTwin unifies siloed environmental and infrastructure data, delivers real-time simulation and forecasting, generates automated situational insights, and supports resilient planning and operational decision-making.

CogniAI will share:	• Digital twin platform that features disaster management, Smart City, Infrastructure, University Campus, Buildings, and industrial applications. • Agentic AI solutions featuring DocQuest, DataBlaze, Cybersecurity ATO, Elevator / Flight Inspections, PII redaction, Student transcripts, etc

CompassData

"CompassData is a geospatial firm dedicated to modern remote sensing and mapping workflows that deliver the highest accuracy. For more than three decades, the company has focused on mapping the world with reliability. For CompassData, dependable mapping starts with authoritative, physically surveyed Real-World Ground Control Points.

CompassData's field teams use repeatable, high-precision workflows to survey control points, integrating datum realizations as well as epoch and tectonic motions. By combining these ground truths with photogrammetric, LiDAR, mobile mapping, and satellite-based datasets, CompassData strengthens the geodetic foundation underlying today's spatial information.

Beyond control, the company provides acquisition, processing, and QA/QC services across airborne imagery, LiDAR, and mobile platformsâ€”all managed under ISO 9001 and aviation-grade quality standards. Whether supporting global satellite calibration, national mapping programs, or infrastructure and aviation projects, CompassData offers the authoritative reference framework that aligns sensors, datasets, and epochs.

In essence, CompassData transforms remote sensing into reality-anchored geospatial information by enforcing geodetic correctness where it matters most.

CompassData - When Accuracy Matters!

CompassData will share:	Ground Control Point Archive showing the global coverage of 80,000+ Real World GCPs. Methods, Samples, and NextGen Development for automatic corrections.

EarthDaily

EarthDaily delivers high-quality, analysis-ready Earth Observation data and advanced geospatial analytics designed to support scientific, government, and commercial applications. Through the upcoming EarthDaily Constellation, the company will provide daily global land coverage across 22 multispectral bands spanning visible, near-infrared, shortwave infrared, mid-wave infrared, and long-wave infrared wavelengths.

EarthDaily is engineered with calibration and data integrity as core design principles. The system targets better than 5% radiometric accuracy, sub-5 meter geolocation accuracy, high signal-to-noise performance, rigorous atmospheric correction, and advanced cloud masking. The constellation architecture emphasizes cross-track consistency, temporal stability, and interoperability with Landsat and Sentinel-2 to support long-term scientific continuity and harmonized analysis workflows.

In addition to space segment capabilities, EarthDaily provides AI-ready mosaics, precision co-registration, and quality-controlled data pipelines designed to enable scalable change detection, environmental monitoring, and quantitative analytics.

EarthDaily works closely with government and scientific partners to ensure its calibration approach, validation methodology, and product specifications meet the highest standards required for operational and research-grade applications.

EarthDaily will share:	• Technical materials and demonstrations highlighting the calibration strategy and quality framework of the EarthDaily Constellation. This will include radiometric and geometric calibration methodologies, atmospheric correction approaches, cloud masking performance, and cross-sensor harmonization with Landsat and Sentinel-2. • Showcase early in-orbit EarthDaily constellation data from our first satellite demonstrating the quality and capabilities for our mission coming online in the summer.

EOIntelligence

EOIntelligence is a pioneering company in Earth Observation (EO) data management, founded by Wolfgang Lueck, a space sector veteran with over five decades of expertise. Specializing in AI-driven solutions, EOIntelligence developed the Image Resource Management Intelligence (IRMI) system, a sophisticated platform that transforms flawed, fragmented CubeSat imagery into clean, standardized, and machine-readable analysis-ready data (ARD) compliant with CEOS standards.

By automating error correction for atmospheric, topographic, and sensor distortions, IRMI unlocks the potential of low-cost satellites, making high-quality EO data accessible to startups, universities, and developing nations. Applications span agriculture (crop stress detection), public health (disease outbreak prediction), disaster management (flood and wildfire alerts), and environmental monitoring.

EOIntelligence bridges fragmented space ecosystems with AI clarity, fostering innovation in sustainable development. Looking ahead, the company aims to integrate quantum sensors, hyperspectral imagers, and drone fleets to enhance real-time data processing.

EOIntelligence will share:	• EOIntelligence will exhibit IRMI (Image Resource Management Intelligence), an advanced AI-powered system that ingests raw sensor data from small satellites, such as CubeSats, and converts it into standardized, high-quality, analysis-ready products. • IRMI automates comprehensive corrections for atmospheric effects, topographic distortions, sensor artifacts, cross-talk, radiometric inconsistencies, and geometric issues. It produces CEOS-compliant Level-1C (orthorectified Top-of-Atmosphere reflectance) and Level-2A (surface reflectance) outputs in COG/STAC formats, with integrated quality layers. • This enables reliable use of affordable NewSpace imagery for applications in agriculture, disaster monitoring, environmental tracking, and more-bridging data gaps and democratizing access to actionable Earth Observation insights.
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Esri

Esri, the global leader in geospatial software is empowering users by harnessing the combined power of GIS with imagery and remote sensing to expand the horizons of what's possible in solving the world's most complex challenges. The real power of imagery and remote sensing data is realized when users leverage ArcGIS's extensive

tools and solutions to creatively address real-world challenges. Esri channels the capacity and possibilities of imagery and remote sensing technology straight into the hands of the user community for diverse applications. Offering capabilities in imagery management, processing, and analysis, drone operations, and reality capture, ArcGIS elevates your work to new heights.

Esri will share:	• The ArcGIS capabilities that support the need for more consistent data quality reporting. ArcGIS provides a neutral, sensor-agnostic environment where data from commercial and government can be brought together and compared. ArcGIS supports a variety of sensors including hyperspectral, Lidar, SAR, and thermal. Esri has experience running raster workflows across enterprise systems which helps analysts scale their Cal/Val workflows to meet the increasing volume of commercial satellite data while supporting the integration of community techniques and standards. • Esri's AI capabilities and the potential to support expert-driven calibration and validation.

IGARSS 2026

The International Geoscience and Remote Sensing Symposium (IGARSS) is the premier annual conference of the IEEE Geoscience and Remote Sensing Society (GRSS), bringing together global leaders in Earth observation science and technology. Now in its 46th edition, IGARSS 2026 will be held in Washington, D.C., USA, from August 9 - 14, 2026.

With the theme "The Future of Earth Observations,"" IGARSS 2026 will spotlight cutting-edge remote sensing innovations aimed at addressing the planet's most pressing environmental and societal challenges. The symposium will foster interdisciplinary dialogue and international collaboration, uniting researchers, engineers, policymakers, and industry experts to explore transformative solutions for sustainable development.

Attendees can expect a dynamic program featuring world-class technical sessions, interactive workshops, and vibrant networking events. IGARSS 2026 offers a unique platform to engage with pioneering research, emerging technologies, evolving standards, and visionary ideas that will shape the future of Earth observation.

Visit our exhibit to learn how your organization can participate, sponsor, and connect at IGARSS 2026 - where science, policy, and industry converge to define the next era of Earth observation.

IGARSS will share:	• At the upcoming JACIE conference, the IGARSS 2026 Local Organizing Committee will present the strategic value of participating in the world's premier remote sensing symposium. With IGARSS 2026 taking place in Washington, D.C., this is a unique opportunity for government agencies and commercial satellite providers to engage directly with global stakeholders, showcase technological leadership, and influence the future of Earth observation. Our exhibit will highlight sponsorship and exhibition opportunities designed to maximize visibility, foster public-private collaboration, and connect with decision-makers shaping the $125.6 billion remote sensing market.

Innovative Imaging & Research Corp. (I2R)

Innovative Imaging & Research (I2R) is a small business specializing in calibration, characterization, and performance assessment of electro-optical and infrared imaging systems for government, commercial, and scientific applications. I2R provides SI-traceable laboratory and field measurements to quantify radiometric, spatial, spectral, and geometric performance, along with associated uncertainty. Our capabilities include pre-launch sensor characterization, cross-calibration, on-orbit performance evaluation, and development of automated analysis tools that support sensor validation and product quality assessment.

I2R has extensive experience supporting U.S. Government programs to develop performance assessment methodologies. The company also designs and deploys ground-based measurement systems for calibration and long-term environmental monitoring.

I2R is actively advancing satellite nighttime imaging, including hyperspectral observations of low-light scenes. To support quantitative night applications, the company is developing SI-traceable radiometric sources and precision star photometers for atmospheric characterization and nighttime calibration.

Our approach emphasizes end-to-end measurement science-linking laboratory characterization to operational performance to reduce risk, improve data quality, and enable defensible comparisons across sensors.

I2R will share:	• Capabilities for pre-launch characterization and calibration of commercial and government imaging systems. Our work emphasizes SI-traceable laboratory measurements of spatial resolution/MTF, radiometric performance, spectral response, stray light, noise, linearity, and stability using reflective collimators, integrating sphere sources, and automated analysis tools. • Highlight methods that link pre-launch measurements to expected on-orbit performance and uncertainty, thereby reducing risk and enabling more efficient post-launch calibration and algorithm development. These capabilities are designed to help sensor developers deliver well-characterized systems ready for operational evaluation.

Labsphere

Labsphere is a leader in calibration technology for Electro-Optical and Earth Observation systems. We design and manufacture on-board calibration for space satellites down to night vision systems and consumer electronics.

Labsphere will share:	• Latest technology for the complete Calibration Lifecycle: system design, pre-launch testing, operational calibration and vicarious calibration.

Microsoft

The Microsoft Planetary Computer team is dedicated to making geospatial, remote sensing, and earth observation data accessible to the broadest audience. For more than 5 years, Planetary Computer has distributed high-value civil, public, and open-source datasets to the world to enhance our global mission, to empower every person and every organization on the planet to achieve more. We are also proud to offer the first hyperscale platform for private geospatial data management, Microsoft Planetary Computer Pro, now in Public Preview in both public and US Government clouds.

Microsoft will share:	• Materials, product experts, and live demonstrations of the Microsoft Planetary Computer and Microsoft Planetary Computer Pro offerings.

NV5

NV5 Geospatial has supported federal agencies for decades with mission-proven technology and solutions. The ENVI® Ecosystem offers industry-leading situational awareness software to everyone from expert users to those brand new to remote sensing. It enables everyone to transform geospatial imagery and data into timely, accurate, and actionable information. And, it increases and simplifies collaboration for experts and non-experts so they can easily produce and share results, extending the scientific reach across your organization. Stop by for a demo and see ENVI Ecosystem in action.

NV5 will share:	• The flexibility of ENVI and IDL which allows you to process data how and where you want. With the ENVI Ecosystem, you now have a suite of products that deliver the expertise of scientists to support operational users. This enables operational users to automate processes so they can maximize efficiencies and reduce strain. And, integration with GIS applications ensures the insights from all users can get to where the decision making happens. • Best solution to help your organization accomplish its mission.

Rochester Institute of Technology

The Carlson Center for Imaging Science is dedicated to producing the next generation of researchers and innovators to apply imaging science in research, environmental service, artificial intelligence, aerospace, and national security. From their very first day, our undergraduate students engage in hands-on initiatives like the Freshman Imaging Project, gaining exposure to diverse areas of imaging science research. High school students can also get a head start through our Imaging Science Summer Internship, a paid opportunity to work alongside researchers on real-world projects.

The Digital Imaging and Remote Sensing Laboratory focuses on the development of tools to extract information about the Earth from aerial and satellite imaging systems with an emphasis on the application of science and engineering to solving end-to-end remote sensing problems using a systems engineering approach. This includes design and development of imaging instruments, developing algorithms to extract information from remotely sensed systems and measurement, and modeling of the physical phenomena associated with the formation of remotely sensed images.

Rochester Institute of Technology will share:	• General information, handouts about the RIT Digital Imaging and Remote Sensing Laboratory • Information on ROCX 2025

Spectra Vista Corporation (SVC)

USA Based manufacturer of Field Portable Spectrometers and Spectroradiometers. Spectra Vista Corporation develops instruments with a focus on remote sensing and field quality of life and efficiency.

SVC will share:	• Field Portable Spectroradiometer with Field Kit.

United States Geological Survey (USGS)

The U.S. Geological Survey (USGS) is the nation's largest water, earth, and biological science and civilian mapping agency. It collects, monitors, analyzes, and provides scientific understanding of natural resource conditions, issues, and problems.

The USGS National Land Imaging Program contributes globally to the advancement of land remote sensing technologies and applications and ensures the continuous availability of moderate-resolution satellite imagery and other remotely sensed and geospatial data. USGS NLI relies on partnerships with other Federal agencies and continually grows cooperative relationships with industry, foreign space programs, and international consortia.

USGS will share:	• Materials supporting the work done by the USGS to ensure data and image quality, satellite systems and sensor characterization.

Wolverine Radar

Wolverine Radar was founded in 2021 with the mission of lowering the cost of radar-satellite derived observations and unlock new insights about our planet. Our suite

of software tools allow radar satellite builders to get to orbit faster, improve the quality of data they produce, and increase the number of applications they can support.

Wolverine Radar will share:	• Posters showing data samples from our unique Sentinel 1 processing approach • Live demonstrations of how this data can be used in real-world applications.

NASA Landsat Project

The NASA Landsat Project Science Support team develops communications and outreach products informing the public and stakeholders about the program's invaluable contributions to scientific discovery and practical decision-making that benefits society. By maintaining the NASA Landsat website and developing engaging interactive resources, the team empowers students, educators, and the broader public to understand remote sensing, satellite technology, and Earth observation—transforming complex science into accessible knowledge for real-world impact.

NASA Landsat will share:	• Your Name in Landsat: Create personalized artwork by spelling your name using stunning satellite images from NASA's Landsat program! Each letter is matched to actual Earth features captured from space—rivers, coastlines, fields, and more. All participants will receive a free printed copy of their Name in Landsat creation to take home. It's a fun, interactive way to experience Earth observation and celebrate the beauty of our planet!

OSK

OSK operates the most advanced constellation of hyperspectral satellites, providing a "chemical fingerprinting" capability that distinguishes it from traditional optical imagery. Our satellites constellation captures the highest resolution hyperspectral imagery in the market with 8.3m GSD and 472 spectral

bands from VNIR through SWIR. OSK is focused on providing a global persistent monitoring service with space-based hyperspectral data for private, public and defense sector end users who need rich, targeted insights and advanced HSI data at scale. Key use cases include:

- Chemical Detections & Nuclear Threats: Discovery and characterization of environmental hazards
- Mining Exploration & Assessment: Remote evaluation and monitoring of mineral resources
- Vegetation & Wildfire Risk Assessments: Determining vegetation species, health, and density to provide environmental context to fire management agencies.
- Target Identification: Detection and classification of camouflaged targets, decoys, and potential threats.
- Maritime Security & Bathymetry: Detection of submarines, underwater weapons, and mines in shallow water environments, and accurate mapping of shallow water bathymetry for navigation and operational purposes.
- AI-Driven Change Detection: Discovery of anomalous changes and other applications

OSK will share:	• A pop-up booth about their products and key use cases