GEOINT FOREWORD

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SUNDAY, APRIL 24	
8:00A	Breakfast
9:00A	Welcome and Opening Remarks
9:15A	Keynote: Jennifer Ewbank, Deputy Director for Digital Innovation, CIA
9:45A	Panel: "What's the (Radio) Frequency, Kenneth?"
10:30A	Networking Break and Student Poster Sessions and Demos
11:00A	Panel: Reflecting on SAR
11:45A	Panel: Expanding the Spectrum of GEOINT
12:30P	Lunch and Student Poster Sessions and Demos
1:30P	Panel: Intelligence Integration in Colorado
2:15P	Keynote: Tonya Wilkerson, Deputy Director, NGA
3:00P	Closing Remarks and 2022 Poster Winners Announcement

GEOINT 2022 WELCOME CELEBRATION

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7-9P	GEOINT 2022 Welcome Celebration in the Grand Lodge

MAIN STAGE

Sponsor HawkEye 360

MONDAY, APRIL 25 • Exhibit Hall Open 10:00-5:00p	
9:00A	Presentation of Colors and National Anthem Master of Ceremonies: Ronda Schrenk, CEO, USGIF Welcome from Robert Cardillo, Chairman of the Board, USGIF
9:30A	Keynote: GEN Richard D. Clarke, USA, Commander, USSOCOM
10:30A	Panel: A High Resolution GEOINT Community: Taking Action to Increase Diversity, Equity, and Inclusion
11:15A	Keynote: Lt Gen Sir Jim Hockenhull, Chief of Defence Intelligence, UK
11:45A	Keynote: VADM Robert Sharp, USN, Director, NGA

TUESDAY, APRIL 26 • Exhibit Hall Open 10:00-5:00p	
9:00A	Master of Ceremonies: The Hon. Sue Gordon, Former Principal Deputy Director of National Intelligence
9:15A	Keynote: The Hon. Stacey Dixon, Ph.D., Principal Deputy Director of National Intelligence
9:45A	Innovative Tradecraft Competition
11:00A	Panel: What is a Map?
11:45A	Keynote: GEN Paul Nakasone, USA, Commander, USCYBERCOM, Director, NSA/Chief, CSS
12:15P	Keynote: The Hon. Ronald S. Moultrie, Under Secretary of Defense for Intelligence and Security
12:45P	Innovative Tradecraft Competition 2022 Winner Announced

WEDNESDAY, APRIL 27 • Exhibit Hall Open 10:00-2:00p	
9:30A	Master of Ceremonies: LTG Mary Legere, USA, (Ret), Managing Director, Accenture Federal Services
9:45A	Keynote: Lt Gen B. Chance Saltzman, USSF, Deputy Chief of Space Operations for Operations, Cyber, and Nuclear, US Space Force
10:30A	Panel: The Business of Space
11:15A	Closing Ceremony

GOVERNMENT HUB

Sponsor ORACLE Cloud

MONDAY, APRIL 25	
1:00P	Welcome and Opening Remarks – Bob Schumm, Vice President for Hardware, Software, Cloud and ICITE PMO, Oracle
1:15P	Panel: Army Modernization
2:00P	Panel: Keynote: Frank Avila, Deputy Director, Commercial & Business Operation, NGA
2:45P	Panel: NGA's Foundation GEOINT Initiatives
3:30P	Keynote: Pete Muend, Director, Commercial Systems Program Office, NRO
4:00P	Panel: Air Force GEOINT

TUESDAY, APRIL 26	
1:00P	Keynote: Brad Ahlskog, Chief, Open Source Intelligence Integration Center, DIA
1:30P	Panel: NGA's Technology Focus Areas Update
2:30P	Panel: Modernizing GEOINT Standards
3:15P	Keynote: The Hon. Christy Abizaid, Director, NCTC
3:45P	Panel: Navy GEOINT and Project Overmatch Update

WEDNESDAY, APRIL 27	
12:45P	Panel: NGA's GEOINT Computer Vision
1:15P	Panel: NGA's Modern Acquisition

YPG HUB

Sponsor Adobe

MONDAY, APRIL 25	
12:50P	Welcome and Opening Remarks – John Lewington, Strategy, Business Development & Partner Sales, Adobe
1:00P	Panel: GEOINT Generations in Conversation
1:45P	Panel: Community Climate Impact and the Future of Work
2:30P	Keynote: Isaac Zaworski, President, Sectra
3:15P	Panel: The Role of User Experience in GEOINT

TUESDAY, APRIL 26	
1:00P	Panel: DivergINT: Advantages of Diverse Perspectives to the GEOINT Tradecraft
1:45P	Panel: Career Transformation Post-Pandemic
2:45P	Panel: Advancing a Career in Industry
3:30P	Panel: What is the Metaverse Anyway?

WEDNESDAY, APRIL 27	
12:30P	Panel: Entrepreneurship and the Unlikely COVID Era Start-up Boom
1:15P	Panel: Personalization at Scale: Moving from Creating Products to Providing Self-service GEOINT Business Models

Agenda subject to change

INNOVATION HUB

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MONDAY, APRIL 25	
12:40P	Welcome and Opening Remarks
12:45P	Unifying Data Through Disaggregation | Tanzle
12:50P	Building an Environmental Security Community in the IC | U.S. Geological Survey Civil Applications Committee
12:55P	The Promise and Perils of Synthetic Satellite Images | VISIMO
1:00P	The Democratization of Georegistration: Making AI Better, Faster, and More Accurate | Edgybees
1:05P	Distributed Imagery Processing in the Cloud: Speed vs. Cost Tradeoffs | Amazon Web Services
1:10P	SPECTRE: Designing AI for GEOINT Data | National Geospatial-Intelligence Agency
1:15P	Break
1:25P	Solving the Data Bottleneck in GEOINT | Scale AI
1:30P	Exploiting Highly Connected Spatial and Non-Spatial Data | Esri
1:35P	Strike Up the Band(s): Collection, Processing, Storage, Retrieval, and Use of Large Spectral Data Stacks for GEOINT Analysis | ManTech
1:40P	Serverless Spatiotemporal Data Analysis | Amazon Web Services
1:45P	Zero Trust: Beyond the Buzzword | Thales TCT
1:50P	Location Inferencing of Social Media Messages | National Geospatial-Intelligence Agency
1:55P	Break
2:05P	Artificial Intelligence vs. Real World Intelligence: I'm not sure what I'm looking for but I will know it when I see it | National Air and Space Intelligence Center
2:10P	Advancing Wildland Fire Protection using Machine Learning | Lockheed Martin Space
2:15P	Combining Global Satellite AIS Data, Imagery, and Other Open Source Intelligence for Maritime Surveillance Activity | Spire Global
2:20P	Low Side Development in a Post-Covid World | GitLab
2:25P	Entity Analytics and the Operating Environment | Novetta
2:30P	INDOPACOM Warfighting Foundational Military Intelligence at Scale: Operationally Relevant, Easy to Assimilate, and 3D Precision Accurate | FGS, Oracle National Security Group, & Intermap Federal Services
2:35P	Break
2:45P	Leveraging Blockchain to Enable the GEOINT Mission | CGI Federal
2:50P	Space Based Solar Power, SSPIDR, and the Development of Extremely Large Phased Array Sensors | Northrop Grumman
2:55P	Open Global Population Data for Human, Climate, and National Security | Oak Ridge National Laboratory
3:00P	Towards Ethical AI and Trusted Autonomy: Legal, Moral, and Ethical Considerations from the DARPA URSA Program | Kitware
3:05P	How GEOINT Human-Machine Teaming Works at Scale | Scale AI
3:10P	Object Detection at the Edge Using Silicon Retinas | Riverside Research
3:15P	Break
3:25P	Driving Digital Transformation through Data Truth | Palantir Technologies
3:30P	Next Generation Sensemaking | L3Harris
3:35P	Dark Vessel Identification: Enabling Greater Maritime Transparency | MDA
3:40P	Global Navigation Satellite System (GNSS) Spoofing Detection | Orbital Insight
3:45P	Unique Global Fiducials Imagery for Arctic Sea Ice Monitoring | U.S. Geological Survey National Civil Applications Program
3:50P	Deploying Digital Twin AI Algorithms to the Cloud Edge | Oracle
3:55P	Day One Concluding Remarks

TUESDAY, APRIL 26	
12:40P	Presentation of the 2022 Michael P. Murphy Award in Geospatial Intelligence
12:50P	Towards a Common GEOINT Computer Vision Model | Amazon Web Services
12:55P	Digital Workplace Technologies that Actually Work – in any Environment | UiPath
1:00P	ORNL Future Downlink Capabilities and Advancements | Oak Ridge National Laboratory
1:05P	Detecting Critical Anomalies at Global Scale with Satellite Imaging and Computer Vision | Maxar
1:10P	NGA's Moonshot Labs: Advancing Mission through Collaboration and Engagement | National Geospatial-Intelligence Agency
1:15P	Break
1:25P	Identifying Errors and Data Gaps in Geospatial Vector Data | GDIT & Whitespace
1:30P	Commercial Imagery to 3D Data and Derived Products using Free Open Source Software, No GPU Required | Freedom Consulting
1:35P	Space Stewardship in the Age of Space Junk | Maxar
1:40P	3D Tiles Next: Data Performance for the Future of 3D Geospatial | Cesium
1:45P	Identifying Potential for Conflict along Maritime Boundaries | Novetta
1:50P	Optimizing the Supply Chain in an Increasingly Uncertain World | Whitespace
1:55P	Break
2:05P	Are you Metaverse-Ready? | Adobe
2:10P	SpaceNet 8: Advancing Foundational Mapping using Machine Learning for Multi-Class Feature Extraction and Flood Detection | Maxar
2:15P	Complex Problems, Complex Partnerships: Illegal, Unlicensed, Unreported Fishing, the Civil Applications Committee and Interagency Remote Sensing | U.S. Geological Survey
2:20P	The Military Terrain Assessment System | Military University of Technology
2:25P	Synthetic Data Generation in Overhead Imagery | CACI International
2:30P	Joint Regional Edge Node (JREN) | National Geospatial-Intelligence Agency
2:35P	Break
2:45P	Quantum-Resistant Security | Thales TCT
2:50P	See the Invisible, Do the Impossible | ICEYE
2:55P	Synthetic Data Generation for Remote Sensing | Riverside Research
3:00P	Future Strategies for AI will Depend Upon Synthetic Data | Rendered.ai
3:05P	Bringing the Vegetation Overlay into the 21st Century: Leveraging Space and Machine Learning from the Warfighter | U.S. Army Engineer Research and Development Center Environmental Laboratory
3:10P	Generative Modeling to Produce Novel Satellite Views from Sparse SAR Data | Rebellion Defense
3:15P	Break
3:25P	The Responsible Use of Open-source Software | Elastic
3:30P	Novelty Detection to Discover Salient Unknown Unknowns | Kitware
3:35P	Tracking Russian Troop Movements, Not in Pixels | Janes
3:40P	Cognitive Collection Orchestration | Lockheed Martin Space
3:45P	Overcoming Challenges in Implementing a GEOINT Data Integrity Solution | Deloitte
3:50P	Ronin: AI/ML Imagery Change Detection for Everyday Analysis | National Geospatial-Intelligence Agency
3:55P	Day Two Concluding Remarks

Agenda subject to change

INNOVATION HUB (CONT)

WEDNESDAY, APRIL 27	
12:00P	Welcome and Opening Remarks
12:05P	Space Eye & Turing | Microsoft
12:10P	Spatiotemporal Data Fabric: Weave Your Way to Accelerated Growth and Analytical Insight | Riverside Research
12:15P	Intelligent Environmental Battlespace Awareness: Mapping the Unmapped Threats | U.S. Army Engineer Research and Development Center Environmental Laboratory
12:20P	Kitware Results on Phase 1 of the IARPA Smart Program | Kitware
12:25P	Hot Data from Space: High Resolution Thermal Infrared Imagery For Enhanced Activity Intelligence | Satellite Vu
12:30P	What's in Space? | Tibco Software Federal
12:35P	Break
12:45P	Trusted Software Supply Chain, Containers, and You | Red Hat
12:50P	Data are Everywhere, but Where do I Find it? | U.S. Geological Survey, National Civil Applications Programs
12:55P	Maximizing Mission Effectiveness for Emergency Management Decision-makers | Penn State University
1:00P	Construction Monitoring and Change Detection in Time Series Imagery | Lockheed Martin Space
1:05P	New Soil Analog Technology: Pedo-Informatic (P-I) Workflow for Statistically Matching Soil Geochemical Signatures Around the World | U.S. Army Engineer Research & Development Center
1:10P	NSG Campaign Plan: The Campaign to Drive GEOINT Towards the Future | National Geospatial-Intelligence Agency
1:15P	Closing Remarks

WORKING GROUPS

MONDAY, APRIL 25	
12:30P	Tradecraft and Professional Development Working Group Meeting
4:15P	Commercial GEOINT Working Group Meeting

TUESDAY, APRIL 26	
11:30A	NRO Industry Advisory Working Group Meeting
12:30P	Machine Learning and Artificial Intelligence Working Group Meeting
4:15P	Small Business Advisory Working Group Meeting

WEDNESDAY, APRIL 27	
11:30A	St. Louis Area Working Group Meeting
12:30P	Modeling, Simulation and Gaming Working Group Meeting

TRAINING SESSIONS

MONDAY, APRIL 25	
7:30A	Azure for National Security
7:30A	Create, Automate, and Manage End-to-End ML Workflows at Scale
7:30A	Enterprise Cyber Protection Built on a Common Platform
7:30A	Geolocation Data Accuracy, Qualification, and Certification for Multi-INT Fusion
7:30A	Modeling and Simulation with GIS
7:30A	Styles of Geospatial Review: How Do You Improve Student and Practitioner Geospatial Analysis
2:00P	Activity Forecasting: Understand Activity Patterns in the Past to Discover Them in the Future
2:00P	Creating Accurate, Global-Scale Realtime Simulations with Cesium for Unreal Engine
2:00P	Highly-Performant Location-Based Tracking of Moving Objects Using Apache Spark
2:00P	Introduction to GeoNode
2:00P	Quantifying Vietnamese Island Construction in the South China Sea with Satellite Imagery
2:00P	Your ML Model Isn't Going to Maintain Itself

TUESDAY, APRIL 26	
7:30A	Autonomous Sensing of Targets with ALL-INT Fusion Capabilities for Immediate Workforce Engagement
7:30A	GIS Meets Graph: How to Explore and Use Complex Relationships in Spatial Analysis
7:30A	Modern Geospatial Architectures in the Cloud
7:30A	Persistent Monitoring with New Space SAR Satellites – A New Way to Observe the Earth
7:30A	Synthetic Computer Vision Data for AI Training and Validation
7:30A	Utilizing Agile Project Management for GEOINT Projects
2:00P	Disinformation in the GEOINT Domain: Threats, Challenges, and Defenses
2:00P	Efficient and Effective Data Fusion of Open and Intelligence Data Sources to Protect U.S. Interests
2:00P	Hands-on Guided Training for Autonomous Sensing of Targets with ALL-INT Fusion Basics on a Planetary Scale Cloud Based Platform
2:00P	Leveraging Commercial SAR to Construct Automated Tasking Campaigns for Regional Monitoring and Analysis
2:00P	Machine Learning Operations (MLOps) for the Computer Vision Lifecycle
2:00P	Microsoft's Planetary Computer

WEDNESDAY, APRIL 27	
7:30A	Explainable AI for Imagery Analysis
7:30A	Exploring the Language of Spatial Analysis
7:30A	How to Train Effective AI Models When You Have Too Little or Too Much Data: Bridging the Gap Between Theoretical AI and Practical AI
7:30A	Satellite Swarm Learning
7:30A	Using Space-Based Full-Motion Video (FMV) to Monitor Supply Chain Activities
7:30A	Utilizing ML (Machine Learning) to Simplify Geospatial Data Labeling
1:00P	Lidar-derived Elevation Data: The Professional Guide to its Metrics and Accuracy
1:00P	Optimized Computer Vision Backbones in the Cloud
1:00P	Serving Spatial Data with Elasticsearch

NETWORKING

GEOINT 2022 WELCOME CELEBRATION

Grand Lodge - sponsored by AWS

Sunday 7:00-9:00P

DAILY BREAKFAST

Colorado Ballroom Foyer

Sunday 8:00-9:00A
Monday 8:00-9:00A
Tuesday 8:00-9:00A
Wednesday 8:00-9:00A

MORNING REFRESHMENTS

Colorado Ballroom Foyer

Sunday 10:30-11:00A

Exhibit Hall

Monday - *sponsored by Forcepoint LLC* 10:00-10:30A
Tuesday - *sponsored by Northrop Grumman* 10:00-10:30A
Wednesday 10:00-10:30A

AFTERNOON REFRESHMENTS

Exhibit Hall

Monday - *sponsored by Solerity* 2:30-3:00P
Tuesday 2:30-3:00P

EXHIBIT HALL NETWORKING RECEPTIONS

Exhibit Hall

Monday 4:00-5:00P
Tuesday - *sponsored by Freedom Consulting* 4:00-5:00P

YOUNG PROFESSIONALS NETWORKING RECEPTION

Juniper Patio - sponsored by Adobe

Tuesday 5:00-7:00P

SOCIAL MEDIA

Be sure to join the conversation! #GEOINT2022

🅣 @GEOINTsymposium, @USGIF, @TrajectoryMag

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🅸🅽 United States Geospatial Intelligence Foundation

EVENT INFORMATION

SHOW POLICIES

COVID Policy (scan the code for the latest)
The safety and well-being of all attendees, exhibitors, sponsors, and staff are extremely important to us. The following health and safety measures have been instituted for GEOINT 2022. All event staff, venue employees, and event attendees must comply with the related requirements. This will include providing proof of vaccination or a negative COVID-19 test within the past 48 hours of first arrival at the convention center. Based on current CDC guidance, as well as state and local requirements, masks are optional for our vaccinated attendees, and recommended for our non-vaccinated attendees and anyone that is high-risk or with existing medical conditions.

Anti-Harassment Policy
USGIF is dedicated to providing a harassment-free experience for everyone. USGIF seeks to provide an environment in which diverse attendees may learn, network, and enjoy the company of colleagues in a professional atmosphere. USGIF does not tolerate harassment in any form. If you feel that you have been harassed by any person(s), immediately go to the registration desk and ask to speak to the senior director of business and administration. Violators may be expelled from the event at the discretion of USGIF.

Badges & Attendance
GEOINT badges are non-transferable. Badges must be worn and visible at ALL Symposium-related activities. One-Day Exhibit Only Pass holders may upgrade to a Full Symposium Pass to attend all Symposium sessions by paying the rate difference on the date of change. By registering for the Symposium you agree that badge swapping or badge sharing is not permitted. Violations of this badge policy may result in cancellation of the registration without refund and dismissal from the event.

Cellular Phones
As a courtesy to all speakers and your fellow attendees, please place all mobile devices in silent mode during Symposium sessions. In addition, cell phones must be answered outside of the meeting rooms.

Dress Code
USGIF suggests business casual attire for all GEOINT events. Military officers and enlisted personnel are encouraged to wear their duty uniforms. Casual attire is recommended for the Welcome Celebration.

Photography Policy
Photography without permission from booth personnel or USGIF staff is prohibited in the exhibit hall. Please be aware that USGIF has designated representatives to photograph and capture video throughout the GEOINT Symposium. As a participant, your likeness and/or voice may be utilized by USGIF for future promotional purposes. Unless we receive a written request from you to not use your likeness or voice, we will assume that your presence is consent.

Solicitation Policy
Solicitation of any kind is prohibited at the GEOINT 2022 Symposium. By registering to attend, you acknowledge this policy and agree that you will not advertise, represent, or distribute literature for products or services to our exhibitors, attendees, or staff without the express written approval of USGIF. Any attendee that violates this policy will forfeit their registration credentials.