



Enhanced Situational Awareness Solutions Meeting
October 29th- 30th 2024
Day 1 Agenda



Time	Company	Speaker (Name/Title)	Topic
0800	Check-in		
0815	OUSD R&E	Jon Lazar <i>I&M Director</i>	Welcome and Opening Remarks
0825	MITRE	Dan Frisk <i>Group/Capability Lead</i>	MITRE Facility Overview
0830	USARPAC	Kevin Simmons <i>G-2 Chief, ISD</i>	USARPAC Overview
Innovator Presentations Begin			
0900	Axellio <i>Colorado Springs, CO</i>	Scott Aken <i>CEO</i>	SensorXpress is a high-intake, simultaneous storage and distribution software solution that makes RF data readily available and accessible at massive scale – essentially a DVR for the EMS.
0925	Camgian Corporation <i>Starkville, MS</i>	Dr. Clay Stanek <i>Chief Scientist</i>	Achieving seamless EOIR and LiDAR fusion for real-time threat detection and identification, enhancing situational awareness with cross-platform battlespace insights.
0950	Corvid Technologies <i>Mooreville, NC</i>	Dr. Nathan Henderson <i>AI/ML Technical Lead</i>	Corvid Technologies proposes to develop an end-to-end ATR framework based on a novel meta-learning DETection TRansformer (DETR) model, capable of performing few-shot learning.
1015	BREAK		
1035	Logos Technologies <i>Fairfax, VA</i>	Michael Wilmanski <i>Principal Scientist, ML & Data Science</i>	Logos Technologies discusses its development of Vision Transformer-based AI/ML models which leverage broader scene context to improve ATR in scenarios with limited target visibility.
1100	Galaxy Unmanned Systems <i>Fort Worth, TX</i>	Jason White <i>CEO</i> Tony White <i>COO</i>	Galaxy introduces the Constellation Concept; modular, persistent, self-powered, multi-tiered autonomous swarming of unmanned airships and drop drones for scalable military, commercial, AAM and UAM applications.
1125	MORSE Corp <i>Cambridge, MA</i>	Eric Nelson <i>CTO – Software</i>	Tracktory streams real and synthetic terrain-aware vehicle tracks at scale and serves a variety of use cases for testing, training, and AI/ML.
1150	LUNCH <i>(Optional: Government-Led “Lunch & Learn” Session)</i>		
1250	Greenroom Robotics <i>Perth, Australia</i>	Harry Hubert <i>Director & CTO</i>	A concise and engaging presentation on the Lookout+ product, a robust, reliable and sensor agnostic solution for passive situational awareness in the maritime environment.
1315	Enabled Intelligence Inc <i>Falls Church, VA</i>	Jim Michel <i>Director, Business Development</i>	Discussion on how to use Enki AI platform to transform DoD data (Unclass through TS//SCI) into accurate, reliable, and secure AI training and test data and AI models.
1340	Tiami Networks <i>Elk Grove, GA</i>	Chris Pearson <i>Director of Technical Marketing</i>	PolyEdge integrates radar sensing with 5G/Wi-Fi for multi-domain detection and tracking, enhancing situational awareness and resilience through edge computing, ideal for defense and security applications



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1405	BREAK		
1425	IndoorGeo <i>Cocoa, FL</i>	Charles Carrington <i>Founder & CEO</i>	Advanced AI to generate indoor 3D mapping and related capabilities in real time, at scale and with global reach for situational awareness in indoor environments.
1450	Optelos <i>Houston, TX</i>	Neil Inman <i>COO</i> David Tran <i>CEO</i>	Optelos provides visual intelligence infused with computer vision AI analytics, providing Digital Twin insights. Our visual correlation technology provides automated battlefield awareness and multi-dimensional operational insights.
1515	CoVar LLC <i>McLean, VA</i>	Dr. Peter Torrione <i>CTO</i>	DOCTRINAIRE AI/ML pipelines are based on warfighter training, run on low-SWaP hardware, do not need training data, and can be used for ATR and targeting.
1540	BREAK		
1600	Echodyne <i>Kirkland, WA</i>	Adam Belmonte <i>Regional Sale Manager</i>	Innovative, software-defined, metamaterials ESA radar with advanced UAS classification and precision tracking capabilities. Designed for static, Mobile, and OTM (On-The-Move) operations.
1625	Simsi <i>Linwood, NJ</i>	Andy Horn <i>Director</i>	Simsi will demonstrate the identification of high-risk locations using environmental features and incident patterns to better plan logistical and supply routes when pushing supplies.
1650	Theta Informatics <i>Atlanta, GA</i>	Matthew Krupczak <i>Founder & CEO</i>	Establishing capability overmatch and information dominance at every echelon using open-source software.
1700	Wrap-Up Comments & Adjourn Day 1		
1800	Optional No-Host Social		



Enhanced Situational Awareness Solutions Meeting

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Day 2 Agenda



Time	Company	Speaker (Name/Title)	Topic
0800	Check-in		
0815	Spectronn Inc. <i>Red Bank, NJ</i>	Pranav Sriram <i>Founding ML Engineer</i>	SpaceEyes provides reliable object detection, tracking & recognition by combining multi-INT space imagery and other sensor data. Domain-specific LLM AI agents automate threat intelligence reporting, autonomous tipping, cueing, and Q&A.
0840	EOI Space <i>Louisville, CO</i>	Dr. Benjamin Tuttle <i>CTO</i>	Developing a constellation with on-orbit compute enabling processing, exploitation, and dissemination of 15 cm electro-optical data and AI/ML analytics from the edge to the warfighter.
0905	Textron Systems <i>Chantilly, VA</i>	Matt Morris <i>Director, Engineering</i>	Our applications enable operators to archive, visualize, exploit, and share imagery, FMV, SAR and leverage other data types including AI/ML detects, both classified and unclassified.
0930	BREAK		
0950	Semandex <i>Princeton, NJ</i>	Dr. Daniel Reininger <i>President & CEO</i>	VizX AI visual search expedites exploitation of EO/IR imagery and video. Search for objects and activities of interest across ground, airborne, and satellite data.
1015	Modus Operandi <i>Melbourne, FL</i>	Tyler Newton, <i>Senior Software Engineer</i>	PAiGE is an ontologically governed AI/ML/DL/LLM enabled open architecture Object Management System that incorporates best-of-breed technologies within the AGILE CI/CD framework.
1040	Inca Digital Federal <i>Miami, FL</i>	Nicholas Gans <i>Director of R&E</i>	Applications of next-generation, NLP-based social media analytics for geopolitical and socioeconomic event detection and geolocation.
1105	Dedrone, <i>Sterling, VA</i>	Muhammad Qureshi <i>Principal Engineer</i>	State-of-the-art AI/ML algorithms for detecting RF drone signals, reducing onboard-processing, and enabling sensor fusion for enhanced situational awareness in the face of evolving drone threats.
1130	LUNCH <i>(Optional: Government-Led "Lunch and Learn" Session)</i>		
1230	TargetArm <i>Ridgefield, CT</i>	Jeffrey McChesney <i>CEO & Founder</i>	Enable autonomous ISR or Lethal UAV swarms from any vehicle, On-the-Move, Hands-Free, with our Arsenal Modular Mission Payload (A-MMP).
1255	Metaphos <i>Cambridge, MA</i>	Dr. Fawwaz Habbal <i>Founder & CEO</i>	Multispectral nanostructured sensors revolutionize situational awareness in complex battlespaces by utilizing nano-antennas on CMOS sensors and machine learning, enabling precise object identification and chemical analysis.
1320	GTRI <i>Atlanta, GA</i>	Dr. Hunter Morera <i>Research Scientist II</i>	Using previous training and information, we develop an object detection model for military objects of interest which can overcome presently used obfuscation methods.



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1345	BREAK		
1405	Applied Research Solutions <i>Dayton, OH</i>	Patrick Benasutti <i>Senior AI Engineer</i>	AI framework leveraging GOTS/COTS technology and generative AI to generate synthetic data to decrease training requirements and increase accuracy of in-house models, while enabling integration of SOTA 3rd Party ATRs.
1430	Syntiant <i>Mountain View, CA</i>	Ethan Wais <i>GM of Federal</i>	Syntiant’s low-SWaP AI for edge sensors uses highly compressed models that are hardware-agnostic and can be rapidly retrained in the field with our MLOPS tools.
1455	Intelligence Fusion Technologies <i>Germantown, MD</i>	Maria Rios <i>Technical Communications Specialist</i> Genshe Chen <i>CTO</i>	Discover how the DR2S platform integrates advanced sensors, AI/ML, and distributed computing to deliver resilient, real-time data processing for enhanced situational awareness in mission-critical environments.
1520	Wrap-Up Comments & Adjourn Day 2 (MITRE Facility Open for Discussions until 1600)		