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&M Director*	Welcome and Opening Remarks
0825	MITRE	Dan Frisk *Group/Capability Lead*	MITRE Facility Overview
0830	USARPAC	Kevin Simmons *G-2 Chief, ISD*	USARPAC Overview
	Innovator Presentations Begin		
0900	Axellio *Colorado Springs, CO*	Scott Aken *CEO*	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 *Starkville, MS*	Dr. Clay Stanek *Chief Scientist*	Achieving seamless EOIR and LiDAR fusion for real-time threat detection and identification, enhancing situational awareness with cross-platform battlespace insights.
0950	Corvid Technologies *Mooreville, NC*	Dr. Nathan Henderson *AI/ML Technical Lead*	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 *Fairfax, VA*	Michael Wilmanski *Principal Scientist, ML & Data Science*	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 *Fort Worth, TX*	Jason White *CEO* Tony White *COO*	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 *Cambridge, MA*	Eric Nelson *CTO – Software*	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** *(Optional: "Lunch & Learn" Session with U.S. Army ISR Task Force)*		
1250	Greenroom Robotics *Perth, Australia*	Harry Hubert *Director & CTO*	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 *Falls Church, VA*	Jim Michel *Director, Business Development*	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 *Elk Grove, GA*	Chris Pearson *Director of Technical Marketing*	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

Time	Company	Speaker (Name/Title)	Topic
1405	BREAK		
1425	IndoorGeo *Cocoa, FL*	Charles Carrington *Founder & CEO*	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 *Houston, TX*	Neil Inman *COO* David Tran *CEO*	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 *McLean, VA*	Dr. Peter Torrione *CTO*	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	Simsi *Linwood, NJ*	Andy Horn *Director*	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.
1625	Theta Informatics *Atlanta, GA*	Matthew Krupczak *Founder & CEO*	Establishing capability overmatch and information dominance at every echelon using open-source software.
1650	**Wrap-Up Comments & Adjourn Day 1**		
1800	**Optional No-Host Social** *Details To Be Provided*		

Enhanced Situational Awareness Solutions Meeting
October 29th- 30th 2024
Day 2 Agenda

Time	Company	Speaker (Name/Title)	Topic
0800	Check-in		
0815	Spectronn Inc. *Red Bank, NJ*	Pranav Sriram *Founding ML Engineer*	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 *Louisville, CO*	Dr. Benjamin Tuttle *CTO*	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 *Chantilly, VA*	Matt Morris *Director, Engineering*	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 *Princeton, NJ*	Dr. Daniel Reininger *President & CEO*	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 *Melbourne, FL*	Tyler Newton, *Senior Software Engineer*	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 *Miami, FL*	Nicholas Gans *Director of R&E*	Applications of next-generation, NLP-based social media analytics for geopolitical and socioeconomic event detection and geolocation.
1105	Dedrone, *Sterling, VA*	Muhammad Qureshi *Principal Engineer*	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 *(Optional: "Lunch and Learn" Session with U.S. Marine Corps Warfighting Laboratory)*		
1230	TargetArm *Ridgefield, CT*	Jeffrey McChesney *CEO & Founder*	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 *Cambridge, MA*	Dr. Fawwaz Habbal *Founder & CEO*	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 *Atlanta, GA*	Dr. Hunter Morera *Research Scientist II*	Using previous training and information, we develop an object detection model for military objects of interest which can overcome presently used obfuscation methods.

Time	Company	Speaker (Name/Title)	Topic
1345	BREAK		
1405	Applied Research Solutions *Dayton, OH*	Patrick Benasutti *Senior AI Engineer*	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 *Mountain View, CA*	Ethan Wais *GM of Federal*	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 *Germantown, MD*	Maria Rios *Technical Communications Specialist* Genshe Chen *CTO*	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)		