



AUTOMATED ISR & BATTLE MANAGEMENT SYMPOSIUM

MODERNIZING THE ISR ENTERPRISE FOR
GREAT POWER COMPETITION

FEBRUARY 17-18, 2021 | LIVE BROADCAST

SYMPOSIUM OVERVIEW

Program Design & Goal:

The 2021 Automated ISR & Battle Management Symposium will focus on optimizing and expediting ISR asset tasking, collection, processing, exploitation, and dissemination to support critical DoD and IC operations in growing near-peer competitions as well as continued global CT operations.

As the US military continues to shift its priorities to preparing for a possible conflict against an advanced, near-peer competitors the need for rapid, accurate, and rugged battlefield intelligence systems. Advances in enemy area denial capabilities hinder the effectiveness of current intelligence collection methods used by US Forces across the globe and create gaps in commanders' knowledge of the enemy. Emerging technologies, such as AI and machine learning, will enable platforms and systems to collect in previously denied areas and rapidly process and disseminate it to the warfighter.

The 2021 Symposium will address the continuing demand for ISR capabilities and how the Services and IC will deliver this critical capability accurately and efficiently to the Commanders and Warfighters in conflict zones across the globe.

DSI's team specializes in the extensive research and development of our Symposiums' content and focus areas, and we will assemble the most respected minds in human and technical intelligence analysis from ISR leaders to key policy-makers across military and civilian offices. Our non-partisan approach allows us to reach across all services and organizations to bring together a truly holistic group of decision makers and solution providers.

Operating Guidelines:

DSI's Symposium directly supports IC and DoD priorities by providing a conduit for officials to efficiently reach audiences outside of their respective offices that directly impact their department's mission success, at no charge to the government, and in an efficient expenditure of time.

DSI's Symposium will provide a forum to address and improve internal and external initiatives, meet with and hear from partner organizations, disseminate vital capability requirements to industry, increase visibility within the larger community, and generally support their mission. This Symposium is open and complimentary to all IC, DoD and Federal employees and is considered an educational and training forum.

(Industry and academia members are charged a fee of attendance)

This Symposium is CLOSED TO PRESS / NO RECORDINGS

General Target Audience:

This educational forum supports ISR Capability developers, Industry Solution Providers, Research and Development Organizations, Intelligence Agencies Interested in Best Practices, Service Intelligence Commands and Directorates, ISR Requirements Directorates, Combatant Command Intelligence Directorates, Homeland Security and Law Enforcement Intelligence Officials, Advanced ISR/ Persistent Surveillance solution providers

Specific topics to be discussed include:

- Army Intelligence ISR Modernization Efforts for a Near-Peer Conflict
- Utilizing ISR to Create a Decision Advantage
- Delivering Intelligence Capabilities to Address Emerging Threats and Enable Operational Effectiveness
- Developing Integrated ISR Sensors for Near-Peer Intelligence Collection
- Exploiting AI to Improve the Speed, Completeness, and Accuracy of ISR Processing
- Attaining Persistent and Penetrating ISR in Denied Air Space
- Gaining an information advantage over America's adversaries
- Improving Partner Nation Intelligence Sharing in a Near-Peer Fight

SYMPOSIUM SCHEDULE

FEBRUARY 17TH, 2021

8:30 – 8:45 Attendee Log-in
(Eastern Daylight Time)

8:45 – 9:00 Welcoming & Opening Remarks

9:00 – 9:45 Utilizing ISR to Create a Decision Advantage

- Delivering accurate, predictive, and timely characterization of the operating environment to decision makers
- Developing agile network providing resilient data transport in real-time across service, domain, and classification boundaries to Joint & allied partners
- Shifting intelligence collection from Platform-centric ops to Network-centric ops

Brig Gen. Parker Wright, USAF (Confirmed)
Director of ISR Operations
A2/A6

9:45 – 10:30 Army Intelligence ISR Modernization Efforts for a Near-Peer Conflict

- Improving and sustaining ready, expeditionary Intelligence capabilities
- Employing new ISR capabilities and emerging technologies to execute MDO
- Synchronizing ISR modernization with Army Futures Command

LTG Laura Potter, USA (Confirmed)
Deputy Chief of Staff, G-2

10:30 – 11:00 Session Break

11:00– 11:45 Delivering Strategic Intelligence to Precisely Target Adversaries and Protect the Warfighter

- Leveraging emerging ISR platforms to allow for global persistent coverage of vital regions
- Empowering human analysts to better perform their duties through HUMT throughout the intelligence process
- Utilizing automated ISR systems to enable the NGA to anticipate enemy activities

MG Charlie Cleveland, USA (Confirmed)
Operations Director
National Geospatial-Intelligence Agency

11:45 – 12:30 Providing and Sustaining Marines with Dominant Intelligence Capabilities

- Enhancing USMC organic support to forward-deployed Marines to meet growing USMC PED requirement
- Expanding ISR sensors to shooter connectivity and combat reporting
- Boosting ISR interconnectivity to improve Marines' adaptability

LtGen Lori Reynolds, USMC (Confirmed)
Deputy Commandant for Information, USMC

12:30 – 1:30 Lunch Break

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1:30– 2:15 ISR initiative at the Joint Staff to Maintain US Power across the Globe

- Leveraging machine learning and AI to optimize intelligence collection across the Joint Force
- Challenges allocating ISR capabilities throughout multiple AO's
- Creating systems that allow connectivity and maneuverability across all domains

Brig. Gen. Julian Cheater USAF (Confirmed)

Deputy Director for Intelligence, Surveillance and Reconnaissance Operations
Joint Staff J32

2:15– 3:00 Gaining an information advantage over America's adversaries

- Enabling swift delivery of critical intelligence through automated systems
- Leveraging Automated ISR to improve collaboration in the IC
- Producing relevant maritime intelligence with automated ISR

RADM Kelly Aeschbach, USN (Confirmed)

Director, National Maritime Intelligence Integration Office
Commander, Office of Naval Intelligence

3:00 – 3:30 Session Break

3:30 – 4:00 Cutting-Edge RPA Autonomy and Automation

- The imperatives driving the need for automation and autonomy
- Current advancements in UAS autonomy
- The need for risk adoption to expand autonomous capabilities

Kevin Williams (Confirmed)

Director, Autonomy and Artificial Intelligence for General Atomics, ASI

4:00 – 4:45 Bridging Technological Gaps for Machine Learning on the Battlefield

- Developing platforms that can function with small, degraded amounts of data
- Creating technologies that can learn and adapt in battlefield environments
- Enabling resilient autonomous ISR platforms through advance in machine learning

Morgan Bishop, (Confirmed)

Senior Computer Scientist and AI/ML lead
AFRL

4:45 End of day one sessions

SYMPOSIUM SCHEDULE

FEBRUARY 18TH, 2021

8:45 – 9:00 Moderator Opening Remarks

9:00 – 9:45 Defending our Nation and Enabling Mission Success with Timely and Accurate Intelligence

- Providing our nation access to accurate intelligence to predict potential threats from State and Non-State actors
- Delivering intelligence to aid decision-makers in an era of Great Power Competition
- Leveraging emerging technology to produce precise and sensitive intelligence assessments

LTG Scott Berrier, USA (Confirmed)

Director, DIA

9:45— 10:30 Employing a Multi-Domain Sensing System to Enhance Army Intelligence Processes

- Developing and integrating sensor capabilities on different platforms to create survivable sensing suite for MDO
- Fielding sensors that allow stand-off operations to detect, locate, identify, and track critical targets for the ground commander
- Advancing manned and unmanned ISR capabilities to enable rapid intelligence collection and sharing in a contested environment

MG Gary Johnston, USA (Confirmed)

Commanding General

INSCOM

10:30 – 11:00 Session Break

11:00— 12:30 Panel Session – Requirements and demands for Space Based ISR

This panel discussion will address the developments and needs for spaced based ISR in a Great Power Competition threat environment. Space based platforms will enable intelligence collection in areas that traditional platforms are unable to safely collect on.

Moderator

Josh Hartman, Defense Innovation Unit (Confirmed)

Invited Panelists

Maj Gen Leah Lauderback, USSF - Director of Intelligence, Surveillance and Reconnaissance, Headquarters U.S. Space Force (Confirmed)

CAPT Andy Berner, USN -Commanding Officer NAVWAR Space Field Activity, NRO Co-Chairman Naval-NRO Coordination Group NAVWAR Space Field Activity, National Reconnaissance Office (Confirmed)

Dr. Brian Mazanec - Director, Defense Capabilities & Management. U.S. Government Accountability (Confirmed)

Matt Magana - Vice President of Space Systems, Raytheon Intelligence & Space (Confirmed)

12:30 – 1:30 Lunch Break

SYMPOSIUM SCHEDULE

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1:30— 2:15 Providing World Class ISR Capabilities to Commanders around the Globe

- Leveraging full spectrum ISR capabilities to inform commanders and paint a full picture of the battlefield
- Synchronizing timely and relevant intelligence in support of major command and combatant commander operations
- Utilizing AI and advance technologies to aid the processing and exploitation of information into intelligence

Col Kayle Stevens, USAF (Confirmed)

Commander
480th ISR Wing

2:15 – 3:00 Delivering Mission Enabling C4ISR Capability to the United States Coast Guard

- Providing - Utilizing automated systems and machine learning help secure U.S. maritime borders
- Developing ISR and systems to allow for and continuous monitoring capabilities
- Integrating automated ISR systems to improve Coastal Security

RDML Andrew Sugimoto, USCG (Confirmed)

Deputy Assistant Commandant for Intelligence
U.S. Coast Guard

3:00– 3:45 Creating an Ocean of Things to Enable Persistent Maritime Situational Awareness

- Deploying thousands of small, low-cost floats to form a distributed sensor network
- Utilizing commercially available sensors to collect environmental data-such and activity data about commercial vessels and aircraft

John Waterston (Confirmed)

Program Manager, STO
DARPA

3:45 End of Symposium

Platinum Sponsor:



