

*Announcing an Outstanding Symposium on the Latest Opportunities,  
Needs and Capabilities in....*

# NEXT GENERATION ISR

(Intelligence, Surveillance & Reconnaissance)  
**For Military and Government**

— MISSIONS - CAPABILITIES - OPPORTUNITIES —

Special Keynote Presentations by:



**Rear Admiral Robert Hayes**  
Assistant Commandant for Intelligence,  
U.S. Coast Guard



**Mr. John Vona**  
Chief, Intelligence Systems Div., Programs  
& Requirements Directorate, HQ ACC, USAF

**Leading ISR Experts from:** USCG, HQ ACC, USAF, U.S. GAO, NORAD, DON(ASN (RD&A), Army (PEO IEW&S), USPACOM, NGA, Sandia National Labs, Hughes Defense and Intelligence Systems, Lockheed Martin, Booz Allen Hamilton, iDirect Government, Raytheon, Haivision, BAE Systems, Sierra Nevada Corp, and SAIC, will be presenting...

- The Latest in Government and DoD Next Generation ISR Needs & Requirements
- Cutting-edge Capabilities, Mission Challenges, and Opportunities in Airborne, Maritime, Battlefield, Homeland Security, Geospatial and Special Operations ISR Technologies
- In Depth Discussion on the Most Critical Capability Gaps, Needs in Information Sharing and Dissemination in Next Generation ISR

**Washington, DC • July 11-12, 2017**

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# Next Generation Intelligence, Surveillance & Reconnaissance

The **Next Generation ISR Technologies & Capabilities Symposium** addresses the urgent demand for more ISR assets, platforms and a continued stride for maintaining advantages over U.S. adversaries. The continual push by the services for diversification & leveraging ISR capabilities by U.S. and our coalition partners, permeates government planning across a broad range of critical missions. Next Gen ISR is a plethora of multi-int & interoperable technologies truly shaping Persistent Global Surveillance, Global Strike, Counter-intelligence/Counter-terrorism, Maritime Domain Awareness, Space Defense, Anti-Access and the Contested Global Commons.

This incredible forum is an outstanding opportunity for attendees to meet and interact with **Key ISR thought leaders from DoD, Government & Industry**. Additionally, you will hear from Senior Leaders who are defining requirements and shaping the next generation of ISR and speaking on the most critical ISR issues and questions:

- **What are the Latest OSD and Service Next Gen ISR Strategies, Roadmaps, Needs and New Initiatives?**
- **What are the key Critical Gaps Needed Now for Providing Actionable Intelligence to Decision Makers and the Warfighter?**
- **How will Next Generation ISR address multi-sensor data fusion technologies across organizations and platforms and diverse operating environments?**
- **What are Needs & Challenges for Integrating All-Source Intelligence to meet Robust Next Gen ISR Intelligence Production requirements?**
- **What are the needs & Requirements of the Future Force to incorporate an Automated and Secure PED data collection process at the Tactical Level?**

## *Our Distinguished Panel of Military, Government & Key Industry ISR Experts*

Rear Admiral Robert Hayes, USCG

Mr. John Vona

Mr. Steven Armstrong

Mr. Paul Geier

Dr. Joseph W. Kirschbaum

Mr. Michael Said

Mr. Rick Lober

Mr. Steve Castillo

Col (USAF-ret) Gregory Power, PhD.

Dr. Sherin Kamal

Col Anthony Sanchez, USA

Dr. Ravi Ravichandran

Mr. Ralph Wade

Mr. Karl Fuchs

Mr. Trip Carter

Mr. Andy Vaughn

Mr. Tim Cronin

Col (USA-ret) Joseph Green

Assistant Commandant for Intelligence, U.S. Coast Guard

Chief, Intelligence Systems Division, Plans, Programs & Requirements Directorate, HQ Air Combat Command, Joint Base Langley-Eustis

Chief, NORAD Strategic Engagement, Deputy Chief, NORAD Operations

National Geospatial Intelligence Agency

Director, Defense Capabilities and Management, U.S. Government Accountability Office

Assistant Deputy for T&E, Deputy Assistant Secretary of the Navy for Research, Development, Test and Evaluation

Vice President and General Manager, Defense and Intelligence Systems (DISD), Hughes Network Systems, LLC

Senior Manager, Airborne ISR Systems, Sandia National Labs

Liaison for Deputy Assistant Secretary of Defense Emerging Capability and Prototyping and the Joint Capability Technology Demonstration Program, (S&T) Office, (USPACOM)

Chief Scientist, Engineering, SAIC

Project Manager, Terrestrial Sensors, PEO IEW&S

Director, Strategic Development, Fusion Battle Mgmt and Computing Technology Group, BAE Systems

Vice President, Lead, Navy and Marine Corps C4ISR, Booz Allen Hamilton

Vice President of Technology, iDirect Government

Strategy and Business Development Director, Special Programs, Lockheed Martin Space Systems Co.

Executive Vice President, North American Sales, Haivision

Director, Special Capability Sensors, Surveillance and Targeting Systems, Raytheon SAS

Senior Director, nContext Programs, Sierra Nevada Corporation

# Next Generation ISR

For Military and Government

Washington, DC • July 11-12, 2017

## Symposium Agenda

### *I. Emerging Military and Government ISR Requirements, Needs, Capabilities & Opportunities*

#### U.S. COAST GUARD KEYNOTE ADDRESS

##### **“ISR for Maritime Domain Awareness: USCG Needs & Requirements”**



**REAR ADMIRAL ROBERT HAYES**  
*Assistant Commandant for Intelligence,  
U.S. Coast Guard*



#### U.S. GOVERNMENT ACCOUNTABILITY OFFICE

##### **“GAO Perspective: Integration and Efficiencies of DoD’s ISR Enterprise”**



**DR. JOSEPH KIRSCHBAUM**  
*Director, Defense Capabilities and  
Management, U.S. Government  
Accountability Office*



Would you like to be an exhibitor at this symposium? Host a breakfast, lunch or beverage reception during the symposium?  
Please contact Ken Hood @ 310-320-8110 or @ hoodk@ttcus.com to find out how your organization can participate.

## “Changing Paradigms to Expand Partner Nation ISR Sharing”

**MR. PAUL GEIER**

National Geospatial Intelligence Agency (NGA), formerly Air Force Deputy ISR Interoperability, AF/A2CJ



## “Advancements in Sensor Technologies for the Warfighter”

**COLONEL ANTHONY SANCHEZ, USA**

Project Manager, Terrestrial Sensors, Program Executive Office Intelligence Electronic Warfare & Sensors (PEO IEW&S)



## “Navy Testing of ISR Asset Capabilities”

**MR. MICHAEL SAID**

Assistant Deputy for T&E, Deputy Assistant Secretary of the Navy for Research, Development, Test and Evaluation (ASN (RD&A))



## “US PACOM JCTD ISR Technology”

**COLONEL (USAF ret) GREGORY POWER, PhD.**

Liaison for Deputy Assistant Secretary of Defense Emerging Capability and Prototyping and the Joint Capability Technology Demonstration Program, Science and Technology (S&T) Office at the United States Pacific Command (USPACOM). (tentative)



### AIR FORCE COMBAT COMMAND KEYNOTE ADDRESS

#### “ACC/A589 Next Generation ISR Needs & Requirements”



**MR. JOHN VONA**

Chief, Intelligence Systems Division,  
Plans, Programs & Requirements Directorate,  
HQ Air Combat Command, USAF,  
Joint Base Langley-Eustis



U.S. AIR FORCE

### NORTH AMERICAN AEROSPACE DEFENSE COMMAND ADDRESS

#### “NORAD Strategic ISR Programs, Platforms, Payloads, & Technologies”



**MR. STEVEN E. ARMSTRONG**

Chief, NORAD Strategic Engagement,  
Deputy Chief, NORAD Operations

## “ISR Technical Operations, Capabilities and Requirements”

**MR. STEVE CASTILLO**

Senior Manager, Airborne ISR Systems, Sandia National Labs



## II: Next Generation Airborne ISR Interoperability and Emerging Capabilities within a Secure ISR Network

### “Next Generation ISR: An Enterprise Integration Perspective”

**MR. RALPH WADE**

*Vice President, Lead, Navy and Marine Corps C4ISR, Booz Allen Hamilton*

Booz | Allen | Hamilton

### “Airborne SATCOM Solutions for Secure Connectivity and Situational Awareness”

**MR. KARL FUCHS**

*Vice President of Technology, iDirect Government*



## III: Future Data and Sensor Integration Collection, Platforms, Imagery Trends and Analytics Capabilities

### “Key Advancements in BLOS Communications for Airborne ISR”

**MR. RICK LOBER**

*Vice President and General Manager, Defense and Intelligence Systems (DISD), Hughes Network Systems, LLC*



### “Air/Space Integration of ISR Capabilities”

**MR. TRIP CARTER**

*Strategy and Business Development Director, Special Programs, Lockheed Martin Space Systems Co.*



- Cross-cue Between Domains
- ISR Fusion for Advanced Missions
- Collaboration Across DoD, Intel and Commercial Markets

### “NextGen ISR: Are We Aiming at the Right Targets?”

**DR. SHERIN KAMAL**

*Chief Scientist, Engineering, SAIC*



- Is NextGen ISR “more of the same”? Or Have New Requirements & Constraints Emerged?
- How do Electronic Warfare Battle Management and Battlefield IoT impact the military’s future need for ISR?
- What Role do Data Analytics Play in ISR? How Can it Become a Hindrance, Not an Enabler?
- While the Military Must Avoid Paralysis by Analysis, it Must Also Avoid Knee-jerk Adoption of Emerging Technologies Just Because...They Are Emerging.

### “ISR Analytics: Information In-Formation”

**DR. RAVI RAVICHANDRAN**

*Director, Strategic Development, Fusion Battle Management and Computing Technology Group, BAE Systems*



### “High Quality, Low Latency FMV for the Warfighter”

**MR. ANDY VAUGHN**

*Executive Vice President, North American Sales, Haivision*



### “Advanced EO/IR Sensor Systems for Military/Government ISR”

**MR. TIM CRONIN**

*Director, Special Capability Sensors, Surveillance and Targeting Systems, Raytheon Space and Airborne Systems*



### “Next Generation High Performing ISR Systems”

**COLONEL (USA ret) JOSEPH GREEN**

*Senior Director, nContext Programs, Sierra Nevada Corporation*



# Next Generation ISR

Washington, DC

July 11-12, 2017

- Active Military
- U.S. Govt Civilian
- Individual
- University
- Teams 3/more

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**Registration: 8:15 a.m. July 11, 2017**  
**Program begins at 9:00 a.m.**

Washington, DC • July 11-12, 2017

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We reserve the right to alter the published program if necessitated by circumstances beyond our control. The material presented in this program is based on unclassified technology and unclassified technology application areas.

**ACCOMMODATIONS:** Complimentary hotel parking, venue close to the Rosslyn Metro. Ask for the Technology Training Corporation (Rate Code ILPYI). Attendee accommodations must be arranged directly with the hotel. Rooms Based on Availability.

## REGISTRATION METHODS

**Information/Registration:** (310) 320-8110

**Register by FAX:** (310) 320-8101

**Register online:** [TechnologyTraining.com](http://TechnologyTraining.com)

**Sponsor/Exhibit Inquires:** (310) 320-8110

Mail Registration to: **Technology Training Corp.**

**Dept. ISR-C**

**P.O. Box 119**

**Torrance, CA 90507**

## FEE:

| Symposium | U.S. Government |                            | Individual | University | Teams of 3 or More (each) |
|-----------|-----------------|----------------------------|------------|------------|---------------------------|
|           | Active Military | Civilian (Non-Contractors) |            |            |                           |
| ISR-C     | Complimentary   | Complimentary              | \$1290     | \$495      | \$995                     |

SOCO Advisory 11-02: Accordingly, the reasonable per day attendance fee for purposes of JER 3-211.a(7) is now \$675.

Special Exhibitor and Sponsorships at Tiered Pricing (includes General Session), Contact Ken Hood @ (310) 320-8110.

**SPECIAL HARDSHIP SCHOLARSHIP PROGRAM:** A number of seats have been set aside for every seminar and symposium for any motivated attendee who is unable to attend due to severe financial limitations of his/her company or if they are under very tight military limitations. Students will be eligible for a very substantial discount.

**PAYMENT POLICY:** Payments, both domestic and international, must be received on or before the first day of the symposium. **No attendee will be admitted into the symposium without payment** by either check, credit card (VISA, Mastercard, AMEX, Discover and Diners Club accepted) or **U.S. Government purchase order.**

**CANCELLATIONS:** Substitutions may be made at any time. A cancellation service charge of \$150 will be rendered for all cancellations received fifteen days or more prior to the start of the symposium date. Registrants whose cancellation requests are not received fifteen days prior to the individual symposium, as well as no shows, are liable for the entire registration fee. You must obtain a cancellation number from our registrar.

**Tuition, symposium documentation, and refreshments, are included in the fee.**

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