



**PRECISION STRIKE ASSOCIATION**  
PRESENTS THE 27TH ANNUAL



# **PRECISION STRIKE TECHNOLOGY SYMPOSIUM**

(PSTS-17)

**Precision Effects and Technologies  
in the Current and Future  
Contested Environments**



**October 24-26, 2017**

**The Johns Hopkins University Applied Physics Laboratory  
Kossiakoff Conference Center  
Laurel, MD**



**Symposium Will Be Conducted At **SECRET//NOFORN** Level**  
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## TUESDAY, 24 OCTOBER

- 0700           **CHECK-IN / CONTINENTAL BREAKFAST**
- 0745           **SYMPOSIUM WELCOME**  
Ken Masson—Chairman of the Board
- 0750           **JHU/APL WELCOME**  
Dr. David Van Wie—Precision Strike Mission Area Executive, JHU/APL
- 0800           **GLOBAL INTELLIGENCE ASSESSMENT—STRATEGIC ISR FOCUS**  
Marty DeWing (SES)—Deputy Director for Battlespace Awareness (J-28), The Joint Staff
- 0840           **HYPERSONIC THREAT BRIEFING**  
Speaker to be Confirmed (Invited)—Intelligence Agency
- 0910           **TARGETING SUPPORT FOR FUTURE WARFARE ENGAGEMENT**  
Lieutenant Colonel Jamil Syed, USAF—Deputy Director of Operations, 363rd ISR Group, Air Combat Command, Langley
- 0940           **NETWORKING REFRESHMENT BREAK**
- 1000           **KEYNOTE ADDRESS—NEW ADMINISTRATION DEFENSE REBUILD PRIORITIES**  
Honorable James N. Mattis (Invited)—Secretary of Defense
- 1045           **DEFENSE STRATEGY & FUTURE FORCE DEVELOPMENT**  
Speaker TBD—Strategy and Force Development, OUSD (Policy)
- 1115           **ELECTRONIC WARFARE—FUTURE DIRECTION/PROGRAMMATIC IMPACTS**  
Dr. William Conley (SES)—Deputy Director for Electronic Warfare, OUSD(AT&L)
- 1200           **INFORMAL LUNCHEON BUFFET—KOSSIAKOFF CENTER DINING ROOM**
- 1230           **LUNCHEON ADDRESS—LESSONS OF AMERICA’S VICTORY IN THE COLD WAR**  
Dr. Peter Huessy—President, GeoStrategic Analysis
- 1315           **U.S. PACIFIC FLEET POSTURE—COUNTERING CHINA’S COMPETITIVE ADVANTAGE**  
Captain Kevin McHale, USN (Invited)—N22, Intelligence & Information Operations, U.S. Pacific Fleet
- 1415           **STRATEGIC CAPABILITY DEVELOPMENT—CREATING THE THIRD OFFSET FORCE**  
Vincent Sabio—Program Manager, Strategic Capabilities Office (SCO)
- 1500           **NETWORKING REFRESHMENT BREAK**
- 1515           **INNOVATIONS FOR THE NEXT GENERATION STRIKE CAPABILITY**  
Rear Admiral Mark Darrah (Invited)—PEO for Unmanned Aviation and Strike Weapons
- 1600           **NAVY’S FUTURE ANTI-SHIP CAPABILITY**  
Captain John Dougherty, USN—PM, Precision Strike Weapons Program Office, PMA-201
- 1630           **KEYNOTE ADDRESS—PRECISION ENGAGEMENT IN THE ASIA-PACIFIC AOR**  
Admiral Scott H. Swift, USN (Invited)—Commander, U.S. Pacific Fleet
- 1730           **EVENING RECEPTION WITH HEAVY HORS D’OEUVRES**

## WEDNESDAY, 25 OCTOBER

- 0700 CHECK-IN / CONTINENTAL BREAKFAST**
- 0730 KEYNOTE ADDRESS—SHAPING THE GEO-STRATEGIC SECURITY ENVIRONMENT**  
Major General William Hix, USA—Director of Strategy, Plans & Policy, Deputy Chief of Staff G-3/5/7, Headquarters, DOA
- 0815 PANEL—PRECISION ENGAGEMENT IN THE CURRENT FIGHT**  
Moderators: Commander David “Jumbo” Baird, USN & Charles “Tooba” Kelly—Office of Tactical Warfare Systems, OUSD(AT&L)
- Naval Air Warfare Development Center (NAWDC)
  - Marine Air Weapons & Tactics School (MAWTS)
  - Fighter Weapons School (FWS)
  - Fire Center of Excellence (FCoE) Fort Sill
- 1000 NETWORKING REFRESHMENT BREAK**
- 1015 PRECISION STRIKE CAPABILITIES INTO THE FUTURE TO SUPPORT THE WARFIGHTER**  
James “Hondo” Geurts (Tentative)—Acquisition Executive, USSOCOM & Colonel Melissa “Mojo” Johnson, USAF (Invited)—Incoming PEO for Fixed Wing Programs, USSOCOM
- 1100 SOFT PRECISION STRIKE EFFECTS**  
Brigadier General Sean Farrell, USAF—Director for Strategic Plans, Programs & Requirements, Air Force Special Operations Command (AFSOC), Hurlburt Field, FL
- 1140 DIGITALLY AIDED CAS IN THE BATTLEFIELD**  
Master Sergeant Jared Pietras, USAF—Chief of Weapons & Tactics, 23rd Special Tactics Squadron, AFSOC
- 1200 SPECIAL TACTICS MISSIONS & A2/AD TO ACHIEVE PRECISION STRIKE EFFECTS**  
Captain Mike Smith, USAF—Chief of Weapons & Tactics/Force Mod, 720th Special Tactics Group, AFSOC
- 1230 INFORMAL LUNCHEON BUFFET—KOSSIAKOFF CENTER DINING ROOM**
- 1300 RICHARD H. JOHNSON TECHNICAL ACHIEVEMENT AWARD CEREMONY**  
Presentation of Ninth Richard H. Johnson Award in the Field of Precision Strike
- 1330 DEFENSE LEADERSHIP PANEL—PRECISION ENGAGEMENT IN THE FUTURE FIGHT**  
Moderator: Brigadier General David Krumm, USAF—Deputy Director for Requirements (J-8), The Joint Staff
- Air Force: Major General Peter Gersten, USAF (Invited)—Director of Strategic Plans, Office of DCS for Strategic Plans and Requirements, HQ USAF/A8X
  - Army: Major General Brian McKiernan, USA (Invited)—Commanding General, U.S. Army Fires Center of Excellence Fort Sill
  - Navy: Rear Admiral DeWolfe Miller III, USN (Invited)—Director, Air Warfare (N98)
  - Marine Corps: Brigadier General Bradford Gering, USMC (Invited)—Incoming Assistant Deputy Commandant for Aviation
- 1515 NETWORKING REFRESHMENT BREAK**

## WEDNESDAY, 25 OCTOBER (CONTINUED)

- 1530 **CONVENTIONAL PROMPT STRIKE (CPS)**  
Colonel David Buchanan, USAF (Tentative)—DD Space and Prompt Strike, OUSD(AT&L)
- 1600 **ROADMAP FOR OFFENSIVE & DEFENSIVE HYPERSONIC CAPABILITIES JOINT INDUSTRY/ GOVERNMENT SESSION**  
Session Chair—Scene Setter Overview: Captain Jaime Engdahl, USN (Ret)—Director for Hypersonic Weapon Development, Northrop Grumman Corp.
- Tactical Boost Glide System & Hypersonic Air-Breathing Weapon Concept (HAWC):  
Dr. Steve Walker (Invited)—Acting Director, Defense Advanced Research Projects Agency (DARPA)
  - AFRL Hypersonic Technologies Overview:  
Air Force Research Laboratory—Munitions Directorate
  - Panel—Offensive Hypersonic Warhead Concepts & Counter Hypersonics:  
Dr. Artie Mabbett—Director, High Speed Weapons, Raytheon Missile Systems  
Kevin Bowcutt—Senior Technical Fellow & Chief Scientist of Hypersonics, The Boeing Company  
Eric Knutson—Director, Advanced Projects, Lockheed Martin Corporation  
Dr. Beach Wilcox—Vice President, Advanced Programs & Technology, Orbital ATK  
TBD—Northrop Grumman Corporation
- 1800 **EVENING RECEPTION WITH LIGHT HORS D'OEUVRES**

## THURSDAY, 26 OCTOBER

- 0700 **CHECK-IN / CONTINENTAL BREAKFAST**
- 0730 **ADVANCED TECHNOLOGIES & UPCOMING DEVELOPMENTS—GOVERNMENT LABS**  
Session Chair—Scene Setter Overview
- Jeff Braun—Senior Weapon Subsystems Engineer, Sandia National Laboratories
  - Sandia National Labs
  - Los Alamos National Lab
  - Lawrence Livermore National Lab
- 0830 **AUTONOMY-ENABLED SYSTEMS TO SUPPORT COUNTER-WMD MISSION**  
Dr. Bob Hastie (Invited)—Technical Director, Weapons & Capabilities Office, Defense Threat Reduction Agency (DTRA)
- 0915 **NETWORKING REFRESHMENT BREAK**
- 0930 **KEYNOTE ADDRESS—NUCLEAR DETERRENT MODERNIZATION & STRATEGIC STABILITY**  
General Stephen “Seve” Wilson, USAF (Invited)—Vice Chief of Staff of the U.S. Air Force

## THURSDAY, 26 OCTOBER (CONTINUED)

- 1015**            **LAND BASED ANTI-SHIP CAPABILITIES FROM LONG RANGE**  
Michael Turner—Fires Capability Area (CAL) for RDECOM AMRDEC WDI, Huntsville
- 1045**            **UNIQUE CHALLENGES AND INNOVATIVE SOLUTIONS FOR MAXIMUM IMPACT**  
Colonel Garry Haase, USAF—Incoming Director, Munitions Directorate, Air Force Research Lab, Eglin Research Site Commander
- 1130**            **F-35 IN THE HIGH END VS PERMISSIVE FIGHTS**  
Vice Admiral Mat Winter, USN (Invited)—F-35 Program Executive Officer
- 1215**            **INFORMAL LUNCHEON BUFFET—KOSSIAKOFF CENTER DINING ROOM**
- 1245**            **LUNCHEON ADDRESS—RADICAL ISLAMIC TERRORISM**  
Lieutenant General Tom McInerney, USAF (Ret)
- 1330**            **NAVY REQUIREMENTS DEEP DIVE PANEL**  
Moderator: Rear Admiral Mike Manazir, USN—Director, Warfare Systems Integration (N9), OPNAV
- Rear Admiral DeWolfe Miller, USN—Director, Air Warfare (N98), OPNAV
  - Rear Admiral Ron Boxall, USN—Director, Surface Warfare (N96), OPNAV
  - Dave Yoshihara—Director, Warfare Assessment & Readiness (PACFLT N9)
  - Steve Cade (SES)—Director, Fleet Capabilities & Force Development, US. Fleet Forces Command (CFFC N8)
- 1500**            **NETWORKING REFRESHMENT BREAK**
- 1545**            **NAVY REQUIREMENTS DEEP DIVE PANEL (CONTINUED)**
- Rear Admiral Mike Moran, USN—PEO for Tactical Aircraft
  - Rear Admiral Mark Darrah, USN—PEO for Unmanned Aviation & Strike Weapons
  - Rear Admiral Doug Small, USN—PEO for IWS
  - Program Managers TBD
- 1730**            **CLOSING REMARKS**  
Ken Masson—Chairman of the Board