

## **PRECISION STRIKE ASSOCIATION**

presents the 28<sup>th</sup> annual

### **PRECISION STRIKE TECHNOLOGY SYMPOSIUM (PSTS-18)**

*Sharpening America's Competitive Edge with High Speed Precision Engagement*

**23-25 OCTOBER 2018**

THE JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY  
KOSSIAKOFF CONFERENCE CENTER \* LAUREL, MD

PSTS-18 will be conducted at the **SECRET//NOFORN** Classification Level

*This document is unclassified in its entirety*

*PSA Programs Chair: Ginny Sniegon*

*PSA Programs Vice Chair: CAPT David "Jumbo" Baird, USN*

*Tri-Chairs: David Uzzell (Day 1)—Dr. Kerry Neace (Day 2)—Mark Converse (Day 3)*

*U.S. Military & Civilian Advisors*

*OSD: CDR Sam "Chubs" Gray, USN & Chuck "Tooba" Kelly*

*Air Force: Lt Col Mark "Smash" Van Brunt, USAF*

*Navy: CDR Eric "Skip" Taylor, USN & MAJ Ryan "Puddles" Thompson, USMC*

*Army: COL Frank Leija, USA, LTC Jeff Munn, USA & LTC Ken Britt, USA (Ret)*

*Marine Corps: MAJ Ryan "Spidey" Welborn, USMC*

*The Joint Staff: Lt Col Nathan "Vi-Dof" Diller, USAF & MAJ Dan "Otis" Harper, USAF*

## **TUESDAY, 23 OCTOBER 2018**

**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 TACTICAL THREAT CHALLENGES—CHINA & RUSSIA:**

**W. Victor Dymond**—Air Warfare/Electronic Warfare/Cyber Acquisition Intelligence Integration Division/TAC-11, Office of Naval Intelligence (ONI)

**0845 KEYNOTE ADDRESS—SHARPENING AMERICA'S COMPETITIVE EDGE:**

**Lieutenant General Anthony R. Ierardi, USA**—Director for Force Structure, Resources, and Assessment, J-8, The Joint Staff

**0930 NETWORKING REFRESHMENT BREAK**

- 0945 MEETING MAJOR THREATS AND GAPS:**  
**Lieutenant General Bradley A. Becker, USA**—Transitioning from Director, Office of Security Cooperation-Iraq, USCENTCOM to Commanding General, Installation Management Command, Fort Sam Houston, San Antonio, TX
- 1030 AIR FORCE HYPERSONIC PROGRAMS REVIEW:**
- **HAWC (Hypersonic Air-breathing Weapon Concept)**
  - **HCSW (Hypersonic Conventional Strike Weapon)**
  - **ARRW (Air-Launched Rapid Response Weapon)**
- Colonel Colin Tucker, USAF**—Military Deputy, Deputy Assistant Secretary for Science, Technology & Engineering, SAF/AQR
- 1115 F-35 JOINT STRIKE FIGHTER PROGRAM UPDATE:**  
**Vice Admiral Mat Winter, USN**—Director, Joint Strike Fighter Program, Office of the Secretary of Defense
- 1200 INFORMAL LUNCHEON BUFFET—Kossiakoff Center Dining Room**
- 1230 THE ARCTIC STRATEGY--VIDEO INTRODUCTION & LUNCHEON ADDRESS:**
- **Senator Lisa Murkowski (R-Alaska) (Video)**—Chair, U.S. Senate Energy & Natural Resources & Member, U.S. Senate Appropriations
  - **Commander David Slayton, USN (Ret) (Luncheon Address)**—Research Fellow, Arctic Security Initiative Lead, Hoover Institution, Stanford University
- 1315 RAPID AND URGENT ACQUISITION:**  
**Chris O'Donnell (SES)**—Director, Joint Rapid Acquisition Cell, Office of the Under Secretary of Defense for Acquisition and Sustainment (OUSD(A&S))
- 1400 NAVY POLICY AND POSTURE TO MEET THREAT – FASTER ACQUISITION CYCLE TO CLOSE SPEED & RANGE DEFICIT:**  
**Honorable James “Hondo” Geurts**—Assistant Secretary of the Navy for Research, Development, and Acquisition
- 1450 AIR FORCE POLICY AND POSTURE TO MEET THREAT – FASTER ACQUISITION CYCLE TO CLOSE SPEED & RANGE DEFICIT:**  
**Lieutenant General Arnold W. Bunch JR., USAF**—Deputy Assistant Secretary of the Air Force for Acquisition, Technology & Logistics
- 1535 REFRESHMENT BREAK**
- 1545 ARMY FUTURES COMMAND—TOMORROW’S TECHNOLOGIES AND CONCEPTS:**  
**General John “Mike” Murray, USA**—Commander, Army Futures Command

- 1630 MULTI-DOMAIN OPERATIONS / OVER-THE-HORIZON TARGETING:**  
**Brigadier General James Adams, USMC**—Director, Capabilities Development Directorate, HQMC Combat Development and Integration
- 1720 ASSAULT BREAKER II INITIATIVE OVERVIEW:**  
**Major General Tom Masiello, USAF (Ret)**—Director, Adaptive Capabilities Office (ACO), Defense Advanced Research Projects Agency (DARPA)
- 1800 EVENING RECEPTION WITH HEAVY HORS D’OEUVRES FOR ALL PARTICIPANTS**

## **WEDNESDAY, 24 OCTOBER 2018**

- 0700 CHECK-IN / CONTINENTAL BREAKFAST**
- 0745 INSIGHTS INTO THE KILL CHAIN—SOF PRECISION STRIKE EFFECTS:**
- **Colonel Matthew Allen, USAF**—Commander, 720<sup>th</sup> Special Tactics Group, 24<sup>th</sup> Special Operations Wing, Air Force Special Operations Command (AFSOC), Hurlburt Field
  - **Senior Master Sergeant Jared “Peaches” Pietras, USAF**—SOCCENT J3, Tampa
- 0830 KEYNOTE—REGAINING OVERMATCH WITH ENHANCED LETHALITY:**  
**Dr. Steve Walker (SES)**—Director, Defense Advanced Research Projects Agency (DARPA)
- 0915 NETWORKING REFRESHMENT BREAK**
- 0930 PEO PERSPECTIVE—TECHNOLOGIES FOR HIGH-SPEED PRECISION ENGAGEMENT:**  
**Rear Admiral Brian Corey, USN**—PEO for Unmanned Aviation and Strike Weapons
- 1010 U.S. HYPERSONICS LANDSCAPE—CONTESTED ENVIRONMENT OPERATIONS AND CHALLENGES:**  
**Dr. Joe Doychak (SES)**—Office of the Under Secretary of Defense for Research and Engineering, (OUSD(R&E))
- 1050 INTEGRATED ALLIED CAPABILITIES ENABLED THROUGH TECHNOLOGY:**  
**Alan Shaffer**—Former Director of NATO Science & Technology, NATO Collaboration Support Office; Nominated to be Deputy Under Secretary of Defense for Acquisition and Sustainment, OUSD(A&S)
- 1130 LUNCHEON—Kossiakoff Center Dining Room**
- 1210 RICHARD H. JOHNSON TECHNICAL ACHIEVEMENT AWARD CEREMONY:**
- **Presentation of Tenth Annual Richard H. Johnson Technical Achievement Award**
  - **Remarks by Honoree Carl Avila**

**1230 SUPPORTING THE KILL CHAIN THROUGH RESILIENT COMMUNICATIONS IN HIGHLY CONTESTED ENVIRONMENTS:**

**Dr. Steve Walker**—Strategy & Business Development, Electronic Systems Avionics Business Unit, Harris

**1315 ARTIFICIAL INTELLIGENCE (AI) ON THE EDGE—IMPLICATIONS FOR PRECISION STRIKE:**

**Rear Admiral Brian Losey, USN (Ret)**—Partner, Shield AI Inc.

**1400 NETWORKING REFRESHMENT BREAK**

**1415 AUTONOMOUS WEAPON SYSTEMS PANEL—SENSING & DISSEMINATION:**

**Moderator: Dr. Kerry Neace**—Program Area Manager for Integrated Strike, JHU/APL

- **Office of Naval Research:**

**Dr. Roger Sullivan**

- **Air Force Research Laboratory:**

**J. C. Lede**—Technical Advisor for Autonomy, Munitions Directorate, Eglin AFB

- **JHU/APL:**

**Dr. Bryan Herdlick**—Program Area Manager for Distributed Battle Management

- **Lockheed Martin:**

**Speaker TBD**

**1545 NETWORKING REFRESHMENT BREAK**

**1600 GOVERNMENT-INDUSTRY PANEL—INDUSTRY’S ROLE IN “SPEED TO THE WARFIGHTER”**

**Moderator: General Hawk Carlisle, USAF (Ret)**—President and CEO of NDIA

- **General Mike Holmes, USAF**—Commander, Air Combat Command (ACC), Joint Base Langley-Eustis

- **Vice Admiral Bill Merz, USN (invited)**—OPNAV, N-9

- **Major General Dave “Limo” Scott, USAF (Ret)**—Vice President, Business Development, Advanced Missile Systems, Raytheon Missile Systems

- **Rear Admiral Mike Manazir, USN (Ret)**—Vice President, Navy Systems, DSS Group, Government Operations, The Boeing Company

**1800 MIXER WITH LIGHT HORS D’OEUVRES**

**THURSDAY, 25 OCTOBER 2018**

**0700 CHECK-IN / CONTINENTAL BREAKFAST**

**0745 “THE NEED FOR SPEED”:**

**Dr. Dean Wilkening**—Senior Professional Staff Member, JHU/APL

**0815 SERVICES' LABORATORIES—EMERGING TECHNOLOGIES:**

- **Session Chair—Scene Setter Overview:**

**Ken Masson**—Northrop Grumman Corp. (NGC) Innovation Systems

- **Office of Naval Research**

**Dr. David Walker (SES)**—Portfolio Director, Office of SECNAV

- **Air Force Research Laboratory**

**Joseph Letsinger (SSTM)**—Deputy Director, Munitions Directorate, Eglin AFB

- **U.S. Army Aviation & Missile RD&E Center (AMRDEC)**

**Rob Esslinger**—Deputy, Fire Support Capability, Redstone Arsenal

**0930 NETWORKING REFRESHMENT BREAK**

**0945 CONVENTIONAL PROMPT STRIKE (CPS) FOR THE FUTURE FIGHT:**

**Dr. Joe Doychak**—Acting CPS Program Manager, OUSD(R&E)

**1015 ADVANTAGES OF HIGH CAPACITY PRECISION WEAPONS CARRIAGE ON BOMBERS:**

**Lieutenant Colonel Todd Scherm, USAF (Ret)**—Advanced Programs, B-52 & Air Launched Cruise Missile, The Boeing Co. (Formerly 49<sup>th</sup> Test & Evaluation Squadron)

**1045 KEYNOTE—STRATEGIC READINESS/NUCLEAR DETERRENCE:**

**Lieutenant General Richard M. Clark, USAF (Invited)**—Transitioning from Commander, 3<sup>rd</sup> Air Force, Ramstein Air Base, Germany to Deputy Chief of Staff for Strategic Deterrence & Nuclear Integration (A10), HQ USAF

**1130 INFORMAL LUNCHEON BUFFET—Kossiakoff Center Dining Room**

**1215 STANDOFF MUNITIONS APPLICATION CENTER—COMBAT DEBUT & BEYOND:**

**Colonel George Holland III, USAF**—Commander, Standoff Munitions Application Center

**1245 SPEEDY DEFEAT OF RELOCATABLE WMD TARGETS:**

- **Lieutenant Colonel Robert Oakes, USAF**—Counter WMD Technologies Department, Defense Threat Reduction Agency (DTRA)
- **Lieutenant Colonel Douglas Guard, USA**—Counter WMD Technologies Department, Defense Threat Reduction Agency (DTRA)

**1330 STRATEGIC PROGRAMS TECHNICAL ACHIEVEMENTS AND CHALLENGES:**

- **Session Chair—Scene Setter Overview:**

**Jeff Braun**—Scientific Advisor, Joint Staff/J5/StS/Strategic Deterrence & Nuclear Policy

- **Columbia-Class Ballistic Missile Submarine**

**Speaker TBD**

- **Ground-Based Strategic Deterrent (GBSD)**

**Colonel Jason Bartolomei, USAF**—GBSD Systems Program Manager, Air Force Nuclear Weapons Center, Hill AFB

- **Long-Range Standoff (LRSO) Missile**

**Speaker TBD**

**1500 CLOSING REMARKS**

**Ken Masson**—Chairman of the Board