

Autonomous & Hypersonic Weapons Systems And Advanced Capability Enablers

November 4-6, 2020

DAY ONE: Wednesday, November 4, 2020

PRESENTATION TOPIC

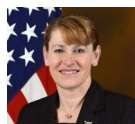
8:45-9:00

(Pacific Time)

Administrative Announcements & Welcome

9:00-9:35

Day 1 Government & DoD Keynotes



The Honorable Katharina McFarland, Commissioner Chair, National Academies of Science Board of Army R&D, Former ASD of Defense for Acquisition and Acting Secretary of the Army for ATL and Army Acquisition Executive

“Artificial Intelligence Advanced Capabilities Needs & Requirements”

9:35-10:10



Michael J. Burns, Associate Labs Director, National Security Programs, Sandia National Laboratories

“Progress at Sandia for the DoD Common Hypersonic Boost Glide Vehicle and Autonomy for Hypersonics”

10:10-10:30

Stretch & Virtual Coffee Networking Break

10:30-11:05



Dr. Gillian Bussey, Inaugural Director, Joint Hypersonics Transition Office (JHTO), Office of the Undersecretary of Defense, Research, and Engineering, Advanced Capabilities, USD(R&E)

“Hypersonic Weapons Research: Current Needs & Requirements”

11:05-11:40



Mike White, Principal Director, Hypersonics, Office of the Undersecretary of Defense, Research & Engineering USD(R&E)

“Hypersonic Weapons: OUSD(R&E) Needs, Requirements and Opportunities”

11:40-11:50

Stretch & Virtual Coffee Break

11:50-12:25



Tom Karako, Senior Fellow, International Security Program and Director, Missile Defense Project, Center for Strategic & International Studies

“The Evolution of Strike in the Next Missile Age”

12:25-1:10

Joint Presentation



Capt (USN-ret) George Galdorisi, Strategic Assessments and Technical Futures, Naval Information Warfare Center Pacific (NIWC)

“Artificial Intelligence & UxS—Way Ahead, a NIWC Perspective”



&
Capt (USN-ret) Sam Tangredi, Strategic and Operational Research Department, National War College

1:15

Closing Remarks—Adjournment Day 1

Autonomous & Hypersonic Weapons Systems And Advanced Capability Enablers

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DAY TWO: Thursday, November 5, 2020

PRESENTATION TOPIC

8:45-9:00

(Pacific Time)

Day Two Opening Administrative Remarks

9:00-9:35



**Dr. Giovanni Sembenini, Deputy Director, NATO STO Centre
for Maritime Research and Experimentation**

**“Autonomous Undersea Surveillance and
Intervention: S&T -
Capabilities - Opportunities”**

9:35-10:10

Government Keynote



**Gilman Louie, Commissioner, National Security Commission on
Artificial Intelligence, (NSCAI), Consultant to the Defense
Innovation Board, DoD**

**“NSCAI Disruptive Advanced Capabilities
and Way Ahead for Defense”**

10:10-10:20

Stretch & Virtual Coffee Networking Break

10:20-10:55



**Dr. N. Andrew Browning, Program Director of
Autonomy, AeroVironment**

“Tactical Missile Systems”

10:55-11:30



**Tim Keeter, Missile and Aviation Systems Division, Program
Manager, DARPA Gremlins Program, Dynetics (a Leidos Co.)**

“Gremlins X-61A Air Vehicle (GAV)”

11:30-11:40

Stretch & Virtual Coffee Break

11:40-12:15



**Joseph W. Kirschbaum, PhD, Director, Defense Capabilities
and Management U.S. Government Accountability
Office, (GAO)**

**“Autonomous and Hypersonic Weapons in
the Emerging Threats Landscape:
A GAO Perspective”**

12:15 12:50



**Mark Pohl, Dir of Operations, ArcNet
(The Autonomy Research Collaboration Network)**

**“ARCnet A.I. Current DoD Partnerships &
R&D Capabilities”**

12:50 1:25



**Dr. Phil Ligrani "Eminent Scholar in Propulsion, Professor of
Mechanical and Aerospace Engineering, Department of
Mechanical and Aerospace Engineering, University of Alabama**

**“R&D in Experimental Diagnostics: High
Speed Flows & Air Breathing
Propulsion Materials”**

1:30

TTC Closing Comments & Adjournment Day 2

Autonomous & Hypersonic Weapons Systems And Advanced Capability Enablers

November 4-6, 2020

DAY THREE: Friday, November 6, 2020

PRESENTATION TOPIC

8:45-9:00

(Pacific Time)

Day Three Opening Administrative Remarks

9:00-9:35

DoD Keynote



Major General Mark E. Weatherington, USAF, Commander,
Eighth Air Force, and Commander, Joint-Global Strike Operations
Center, Barksdale Air Force Base, Louisiana

“Hypersonic Weapons: Needs, Capabilities,
and Opportunities”

9:35-10:10



Col Nickolas Kioutas, USA, Program Manager, Position,
Navigation and Timing, US Army Program Executive Office
Intelligence, Electronic Warfare and Sensors (PEO IEW&S)

“Army Position, Navigation and Timing
Capabilities—The Open Innovation
Collaborations, Capabilities
and Opportunities”

10:10-10:25

Stretch & Virtual Coffee Networking Break

10:25-11:00



Col James W. "Chewy" Frey, USMC, Headquarters Marine
Corps Aviation, Aviation Expeditionary Enablers
(APX-1) (tentative)

“Marine Corps Autonomous Systems &
Weaponry Capabilities”

11:00-11:35



LCDR (USN-ret) U.H. (Jack) Rowley, Chief Technology Officer
(CTO), Maritime Tactical Systems, Inc. (MARTAC)

“USV in Multi-Role Autonomous Solutions”

11:35-12:10



Senior Representative, Program Executive Office Command,
Control, Communications, Computers and Intelligence (PEO
C4I) and Space Systems

“PEO C4I Autonomous Systems Overview
Needs & Requirements”

12:15

TTC Closing Comments & Final Adjournment

