

PURDUE
UNIVERSITY

150
YEARS
OF
GIANTLEAPS

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AT THE HEART
OF THE MISSION

NDIA



2019

HYPERSONICS

CAPABILITIES CONFERENCE

July 30 – Aug 1 | West Lafayette, IN | NDIA.org/Hyper19

AGENDA

TUESDAY, JULY 30 (UNCLASSIFIED)

7:00 – 8:00 am **REGISTRATION & NETWORKING BREAKFAST**

8:30 – 8:40 am **WELCOME REMARKS**

Gen Herbert “Hawk” Carlisle, USAF (Ret)
President and CEO, National Defense Industrial Association (NDIA)

8:40 – 8:50 am **WELCOME TO PURDUE**

Mung Chiang
Dean, College of Engineering, Purdue University

8:50 – 9:00 am **INDIANA AND DEFENSE**

Eric Holcomb
Governor, Indiana

9:00 – 9:30 am **HYPERSONIC OFFENSIVE AND DEFENSIVE PROGRAMS OVERVIEW**

General Joseph Dunford
Chairman of the Joint Chiefs of Staff
Invited

9:30 – 10:45 am **PANEL: UNIVERSITY HYPERSONIC RESEARCH PARTNERSHIPS**

Jonathan Poggie
Professor of AAE, Purdue University
Moderator

Dr. Thomas Corke
Notre Dame

Dr. Ivett Leyva
Air Force Office of Scientific Research, AFRL

Dr. Eric Marineau
Program Officer, Hypersonic Aerodynamics, Heat Transfer and Materials, Office of Naval Research

Dr. John Schmisser
University of Tennessee Space Institute

Dr. Iain Boyd
University of Michigan

Dr. Russ Cummings
Director, Hypersonic Vehicle Simulation Institute, United States Air Force Academy

10:45 – 11:15 am **NETWORKING BREAK**

- 11:15 – 11:45 am **TEST INFRASTRUCTURE STATUS AND INVESTMENT PLANS**
Robert Behler
Director, Operational Test and Evaluation
Invited
- 11:45 am – 12:15 pm **ADVERSARIAL HYPERSONIC ADVANCES**
Mark Lewis
Director, IDA Science & Technology Policy Institute
- 12:15 – 1:15 pm **NETWORKING LUNCH**
Rep. Pete Visclosky
U.S. HOUSE OF REPRESENTATIVES
- 1:15 – 1:45 pm **INDUSTRIAL BASE PLANNING**
Dr. Chris Michienzi
Director, Assessments, Policy and Industry Outreach, Under Secretary of Defense, Acquisition and Sustainment
- 1:45 – 3:00 pm **PANEL: INDUSTRY PERSPECTIVE ON THE “NEW INDUSTRIAL BASE”**
Representatives from industry to be announced soon.
- 3:00 – 3:30 pm **NETWORKING BREAK**
- 3:30 – 4:00 pm **SUSTAINING AFFORDABLE AND EFFECTIVE HYPERSONIC CAPABILITIES**
Alan Shaffer
Deputy Under Secretary of Defense for Acquisition and Sustainment
- 4:00 – 4:30 pm **PREPARING FOR A NEW OPERATIONAL PARADIGM**
Lt Gen Dave Deptula, USAF (Ret)
Dean, Mitchell Institute, Air Force Association
- 4:30 pm **CLOSING REMARKS**
- 5:30- 8:00 pm **RECEPTION AND KEYNOTE NETWORKING DINNER**

WEDNESDAY, JULY 31 (CLASSIFIED)

- 7:30 – 8:30 am **REGISTRATION & SECURITY CHECK-IN**

8:30 – 9:00 am **DEPARTMENT OF DEFENSE-WIDE INITIATIVES**
Mike White
Assistant Director, Hypersonics, Office of the Under Secretary of Defense Research and Engineering

9:00 – 9:30 am **USAF DEVELOPMENT PROGRAMS**
Brig Gen Anthony Genatempo, USAF
PEO Weapons
Invited

9:30 – 10:00 am **USN DEVELOPMENT PROGRAMS**
CAPT John Lowery, USN
Program Manager, Navy IRCPS

10:00 – 10:30 am **UASF ACQUISITION & TECHNOLOGY**
Dr. Will Roper
Assistant Secretary of the Air Force for Acquisition, Technology and Logistics
Invited

10:30 – 11:00 am **ARMY DEVELOPMENT PROGRAMS**
LTG Neil Thurgood, USA
Rapid Capabilities and Critical Technologies Office
Invited

11:00 – 11:30 am **HYPERSONIC DEFENSE DEVELOPMENT**
Keith Englander
Director of Engineering, Missile Defense Agency

11:30 am – 12:30 pm **NETWORKING LUNCH**

12:30 – 1:45 pm **PANEL: DEVELOPING ADVANCED CAPABILITIES**
Len Zentz
Senior Technical Advisor, SSP
Moderator

Dr. Scott Morton
Air Vehicles Project Manager, DoD HPCMP CREATE

Dr. James Weber
OUSD (R&E)

Brenan McCarragher
The Charles Stark Draper Laboratory

David Plummer
Sandia National Laboratories

1:45 – 3:00 pm **PANEL: HYPERSONIC EMPLOYMENT PLANS**
Gen Herbert “Hawk” Carlisle, USAF (Ret)
President and CEO, National Defense Industrial Association (NDIA)
Moderator

MG Charles Flynn
Assistant Deputy Chief of Staff, G-3/5/7, USA
Invited

VADM Stuart Munsch
Deputy Chief of Naval Operations for Operations, Plans and Strategy (N3/N5)
Invited

Invited panelists from the Air Force, Army & Navy to be announced soon.

3:00 – 3:30 pm **NETWORKING BREAK**

3:30- 4:00 pm **AFTERNOON KEYNOTE**
Gen David Goldfein, USAF
Chief of Staff, U.S. Air Force

4:00 – 4:30 pm **PROTECTING THE HOMELAND**
Gen Terrence J. O’Shaughnessy, USAF
USNORTHCOM
Invited

4:30 pm **CLOSING REMARKS**

TBD **POTENTIAL HOSTED RECEPTION***

THURSDAY, AUGUST 1 (CLASSIFIED)

7:00 – 8:00 am **REGISTRATION & SECURITY CHECK-IN**

8:30 – 9:00 am **ENABLING HYPERSONIC GLOBAL STRIKE**
Gen. Timothy Ray
Commander, AFGSC
Invited

9:00 – 9:30 am **HYPERSONICS IN THE INDO-PACIFIC**
TBD
U.S. Indo-Pacific Command

9:30 – 10:00 am **NETWORKING BREAK**

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- 10:00 – 10:30 am **HYPERSONICS IN THE EUROPEAN THEATER**
TBD
U.S. European Command
- 10:30 – 11:00 am **OPERATIONAL AND TACTICAL LEVEL FIRES**
Rob Picht
Deputy Director, Long Range Precision Fires (LRPF) Cross Functional Team (CFT), Army Futures Command
- 11:00 – 11:30 am **ENGINEERING MANAGEMENT TO EXPEDITIOUSLY DELIVER CAPABILITIES**
Pat Shaffer
NSWC Crane
- 11:45 – 12:45 pm **NETWORKING LUNCH**
- 12:45 – 2:00 pm **PANEL: MAINTAINING OPERATIONAL SUPERIORITY**
Invited panelists from industry to be announced soon
- 2:00 – 2:30 pm **CLOSING KEYNOTE**
- 2:30 pm **PROGRAM ADJOURNS**
- 3:00 – 5:00 pm **OPTIONAL TOUR OF PURDUE WIND TUNNELS***
AEROSPACE SCIENCES LAB

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