2019 HYPersonics Capabilities Conference

July 30 – August 1 | West Lafayette, IN | NDIA.org/Hyper19
# AGENDA

## MONDAY, JULY 29 (UNCLASSIFIED)

4:00 – 6:00 pm  **OPTIONAL TOUR OF PURDUE WIND TUNNELS**  
AEROSPACE SCIENCES LAB

## TUESDAY, JULY 30 (UNCLASSIFIED)

7:30 am – 4:00 pm  **REGISTRATION**  
Purdue Memorial Union Ballroom

7:30 – 8:30 am  **NETWORKING BREAKFAST**  
Purdue Memorial Union Ballroom

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**  
Gen John Hyten, USAF  
Commander, United States Strategic Command, USAF  
*Invited*
9:30 – 10:45 am  
**PANEL: UNIVERSITY HYPERSONIC RESEARCH PARTNERSHIPS**
 Dr. Jonathan Poggie  
Professor, Aeronautic and Astronautic Engineering, 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 Schmisseur  
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**
 PURDUE MEMORIAL UNION BALLROOM

11:15 – 11:45 am  
**TEST INFRASTRUCTURE STATUS AND INVESTMENT PLANS**
 TBD  
*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**
 PURDUE MEMORIAL UNION BALLROOM  
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”**
 Col Wesley Hallman, USAF (Ret)  
Senior Vice President, Strategic Programs & Policy, National Defense Industrial Association (NDIA)  
*Moderator*
 Representatives from industry to be announced soon.
3:00 – 3:30 pm  NETWORKING BREAK  
PURDUE MEMORIAL UNION BALLROOM

3:30 – 4:00 pm  SUSTAINING AFFORDABLE AND EFFECTIVE HYPERSONIC CAPABILITIES  
Alan Shaffer  
Deputy Under Secretary of Defense for Acquisition and Sustainment

4:00 pm  CLOSING REMARKS

5:00 – 7:30 pm  RECEPTION AND KEYNOTE NETWORKING DINNER  
PURDUE MEMORIAL UNION BALLROOM  
Robert Work  
Former Deputy Secretary of Defense

WEDNESDAY, JULY 31 (CLASSIFIED)

7:30 am – 4:30 pm  REGISTRATION, & SECURITY CHECK-IN  
PURDUE MEMORIAL UNION BALLROOM AND EAST FOYER OF STEWART CENTER

7:30 – 8:30 am  NETWORKING BREAKFAST  
PURDUE MEMORIAL UNION BALLROOM

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  USAF 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**  
Purdue Memorial Union Ballroom

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

Dr. Daniel DeLaurentis  
Professor, Aeronautic and Astronautic Engineering and Director, Institute for Global Security and Defense Innovation (i-GSDI), Purdue University

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

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

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

3:00 – 3:30 pm  **NETWORKING BREAK**  
Purdue Memorial Union Ballroom

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

THURSDAY, AUGUST 1 (CLASSIFIED)

7:30 – 11:45 am  REGISTRATION & SECURITY CHECK-IN  
Purdue Memorial Union Ballroom & East Foyer of Stewart Center

7:30 – 8:30 am  NETWORKING BREAKFAST  
Purdue Memorial Union Ballroom

8:30 – 9:00 am  HYPersonics in the Indo-Pacific  
Lt Col Jeffrey Komives, USAF, Ph.D.
Assistant Professor of Aerospace Engineering Air Force Institute of Technology (AFIT/ENY)

9:00 – 9:30 am  HYPersonics in the European Theater  
TBD  
U.S. European Command

9:30 – 10:00 am  OPERATIONAL AND TACTICAL LEVEL FIRES  
Rob Picht  
Deputy Director, Long Range Precision Fires (LRPF) Cross Functional Team (CFT), Army Futures Command

10:00 – 10:30 am  ENGINEERING MANAGEMENT TO EXPEDITIOUSLY DELIVER CAPABILITIES  
Pat Shaffer  
NSWC Crane

10:30 – 11:45 am  PANEL: MAINTAINING OPERATIONAL SUPERIORITY  
Invited panelists from industry to be announced soon

11:45 am  PROGRAM ADJOURNS

11:45 am – 1:45 pm  OPTIONAL TOUR OF PURDUE WIND TUNNELS  
Aerospace Sciences Lab
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