

NDIA

2026

AIRCRAFT SURVIVABILITY SYMPOSIUM

***Forging the Spear:* Industrial Power and Survivability for the Pacific Challenge**

November 3 – 5, 2026 | Colorado Springs, CO | NDIA.org/AircraftSurvivability

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The National Defense Industrial Association is the trusted leader in defense and national security associations. As a 501(c)(3) corporate and individual membership association, NDIA engages thoughtful and innovative leaders to exchange ideas, information, and capabilities that lead to the development of the best policies, practices, products, and technologies to ensure the safety and security of our nation. NDIA's membership embodies the full spectrum of corporate, government, academic, and individual stakeholders who form a vigorous, responsive, and collaborative community in support of defense and national security. For more than 100 years, NDIA and its predecessor organizations have been at the heart of the mission by dedicating their time, expertise, and energy to ensuring our warfighters have the best training, equipment, and support. For more information, visit **NDIA.org.**

Get Involved

Learn more about NDIA's Divisions and how to join one at **NDIA.org/Divisions**



Leadership and Committees

Dr. Mark Couch
Division Chair

Thao Nguyen
Division Vice Chair

Scott Wacker
Symposium Chair

Air Combat Survivability

Who We Are

NDIA's Air Combat Survivability Division addresses all aspects of susceptibility reduction (probability of hit), vulnerability reduction (consequences of hit), and the overall survivability discipline, including countermeasures, signature reduction, tactics and training, camouflage, concealment and deception, as well as damage resistance, damage tolerance, and combat damage repair. The Division also focuses on the transfer of information and technology between the military survivability and civil aviation communities to improve flight safety and to mitigate the effects of terrorist acts.

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VISIONARY

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AIR CELERIUM

The appearance of U.S. Department of Defense (DoD) visual information does not imply or constitute DoD endorsement.

Event Information

Symposium Venue

Booz Allen Hamilton
745 Space Center Drive
Colorado Springs, CO 80915

Host Hotel

The Mining Exchange
8 S Nevada Ave
Colorado Springs, CO 80903

Attire

Civilian: Business

Military: Uniform of the Day

Survey and Participant List

You will receive via email a survey and list of participants (name and organization) after the symposium. Please complete the survey to make our event even more successful in the future.

Event Contacts

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Event Code of Conduct

NDIA's Event Code of Conduct applies to all National Defense Industrial Association (NDIA), National Training & Simulation Association (NTSA), Emerging Technologies Institute (ETI), and Women In Defense (WID) meeting-related events, whether in person at public or private facilities, online, or during virtual events. NDIA, NTSA, ETI, and WID are committed to providing a productive and welcoming environment for all participants. All participants are expected to abide by this code as well as NDIA's ethical principles and practices. Visit NDIA.org/CodeOfConduct to review the full policy.

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Agenda

THIS EVENT IS CLASSIFIED AS SECRET//NOFORN

Tuesday, November 3

7:00 am – 3:30 pm

Registration

BOOZ ALLEN HAMILTON

7:00 – 8:00 am

Networking Breakfast

BOOZ ALLEN HAMILTON

8:00 – 8:30 am

Welcome Remarks

BOOZ ALLEN HAMILTON

Dr. Mark Couch
Live Fire Test and Evaluation, Operational Evaluation Division, Institute for Defense Analyses (IDA)
Chair, NDIA's Air Combat Survivability Division

8:30 – 10:00 am

Tutorial #1: A Review of Aircraft Combat Data, 2021 to Present

BOOZ ALLEN HAMILTON

Jim Rhoads
Air Warfare Live Fire Test Lead and Research Staff Member, Institute for Defense Analyses (IDA)

10:00 – 10:30 am

Networking Break

BOOZ ALLEN HAMILTON

10:30 am – 12:00 pm

Tutorial #1 Continued

BOOZ ALLEN HAMILTON

12:00 – 1:00 pm

Lunch on Own

1:00 – 2:30 pm

Tutorial #2: Space Survivability: A Warfighter Imperative

BOOZ ALLEN HAMILTON

Dana Honeycutt
Senior Project Leader, The Aerospace Corporation

Dr. Steven Johns
Senior Project Leader, The Aerospace Corporation

Rich Lane
Senior Project Engineer, The Aerospace Corporation

2:30 – 3:00 pm

Networking Break

BOOZ ALLEN HAMILTON

3:00 – 4:30 pm

Tutorial #2 Continued

BOOZ ALLEN HAMILTON

4:30 – 4:35 pm

Day One Recap

BOOZ ALLEN HAMILTON

Dr. Mark Couch
Live Fire Test and Evaluation, Operational Evaluation Division, Institute for Defense Analyses (IDA)
Chair, NDIA's Air Combat Survivability Division

5:30 – 7:00 pm

Networking Reception

THE MINING EXCHANGE HOTEL – ELKTON ROOM

Wednesday, November 4

7:00 am – 4:00 pm

Registration

BOOZ ALLEN HAMILTON

7:00 – 8:00 am

Networking Breakfast

BOOZ ALLEN HAMILTON

8:00 – 8:30 am

Welcome and Opening Remarks

BOOZ ALLEN HAMILTON

Scott Wacker
Technical Director, USAF 704th Test Group/OL-AC
Symposium Chair

Dr. Mark Couch
Live Fire Test and Evaluation, Operational Evaluation Division, Institute for Defense Analyses (IDA)
Chair, NDIA's Air Combat Survivability Division

8:30 – 8:35 am

Introduction of Keynote Speaker

BOOZ ALLEN HAMILTON

Scott Wacker
Technical Director, USAF 704th Test Group/OL-AC
Symposium Chair

8:35 – 9:20 am

Keynote Speaker

BOOZ ALLEN HAMILTON

Eric Hoffman
Senior Vice President, Booz Allen Hamilton

Session 1: Assessing the Current Threat Environment | Chair: Ken McKenzie

9:20 – 9:30 am

Introduction of Session

BOOZ ALLEN HAMILTON

Ken McKenzie
Director, Modern Technology Solutions, Inc.

9:30 – 9:55 am

Cooperative Missile Engagements

BOOZ ALLEN HAMILTON

Sam Dalrymple
Member of the Technical Staff, MIT Lincoln Laboratory Red Team

9:55 – 10:25 am

Networking Break

BOOZ ALLEN HAMILTON

10:25 – 10:50 am

Survivability Enhancements Against Evolving Threats

BOOZ ALLEN HAMILTON

Sam Dalrymple
Member of the Technical Staff, MIT Lincoln Laboratory Red Team

10:50 – 11:15 am

Air-to-Air Threat Update

BOOZ ALLEN HAMILTON

Aaron Evans
Aircraft Analyst, National Air and Space Intelligence Center (NASIC)

11:15 am – 12:45 pm

Lunch on Own

12:45 – 12:50 pm

Reconvene

BOOZ ALLEN HAMILTON

Session 2: Aircraft Survivability in the Directed Energy Threat Environment | Chair: Rebecca Hooper

12:50 – 1:00 pm

Introduction to Session

BOOZ ALLEN HAMILTON

Rebecca Hooper
B-2 Survivability Engineering Lead, Northrop Grumman Aeronautics Systems

1:00 – 1:30 pm

Counter-Directed Energy Weapons (C-DEW): Make Every DEW a Target

BOOZ ALLEN HAMILTON

Jared Petry
Materials Engineer, Air Force Laboratory – Materials and Manufacturing Directorate, Office of the Under Secretary of War for Research and Engineering (OUSW(R&E))

1:30 – 2:00 pm

C-DEW MS&A Capability and Process Overview

BOOZ ALLEN HAMILTON

Dr. Kyle Brady
Senior Engineer, SURVICE Engineering Company

2:00 – 2:30 pm

Networking Break

BOOZ ALLEN HAMILTON

2:30 – 3:00 pm

Systems Engineering for C-DEW Survivability

BOOZ ALLEN HAMILTON

Sean Keller
RTX

3:00 – 3:30 pm

Materials for Countering High-Power RF Threats

BOOZ ALLEN HAMILTON

Max Alexander, Jr.
Radio Frequency Electromagnetic Spectrum (RF EMS), Air Force Research Laboratory
Material and Manufacturing Directorate (AFRL/RX)

3:30 – 3:55 pm

Multi-Systems Aircraft Combat Survivability Workshop Overview

BOOZ ALLEN HAMILTON

Tara Trumbull
Senior Principal Systems Architect, Raytheon

3:55 – 4:00 pm

Closing Remarks

BOOZ ALLEN HAMILTON

Scott Wacker
Technical Director, USAF 704th Test Group/OL-AC

5:30 – 7:00 pm

Networking Reception

PHANTOM CANYON BREWING CO.

2 E Pikes Peak Ave, Colorado Springs, CO 80903
*Ticket required for all attendees and guests. Additional tickets can be purchased at the registration desk.

Thursday, November 5

7:00 am – 3:30 pm

Registration

BOOZ ALLEN HAMILTON

7:00 – 8:00 am

Networking Breakfast

BOOZ ALLEN HAMILTON

8:00 – 8:10 am

Welcome and Opening Remarks

BOOZ ALLEN HAMILTON

Scott Wacker
Technical Director, USAF 704th Test Group/OL-AC

Dr. Mark Couch
Live Fire Test and Evaluation, Operational Evaluation Division, Institute for Defense Analyses (IDA)
Chair, NDIA's Air Combat Survivability Division

Session 3: Operational Survivability and Self-Protection in Contested Environments | Chair: Heather Havens

8:10 – 8:20 am

Introduction to Session

BOOZ ALLEN HAMILTON

Heather Havens, Ph.D.
Operations Analysis Manager, Boeing Phantom Works

8:20 – 8:45 am

Thermal Management for Infrared Suppression

BOOZ ALLEN HAMILTON

Curtlan Betchley
Rolls Royce North American Technologies, Inc.

8:45 – 9:10 am

Full Spectrum Aircraft Survivability with Simultaneous Transmit & Receive Technology

BOOZ ALLEN HAMILTON

Timothy Kelly
Resonant Sciences

Chad Warren
Resonant Sciences

9:10 – 9:35 am

Aircraft Integrated Reliability, Safety, Upkeep for Readiness and Efficiency (AIRSURE)

BOOZ ALLEN HAMILTON

Matthew Milazzo
Division Manager, Planning and Operations, National Security Business Unit, Battelle

9:35 – 10:05 am

Networking Break

BOOZ ALLEN HAMILTON

10:05 – 11:20 am

Awards Presentation

BOOZ ALLEN HAMILTON

11:20 am – 12:50 pm

Lunch on Own

12:50 – 12:55 pm

Reconvene

BOOZ ALLEN HAMILTON

12:55 – 1:05 pm

Introduction of Panel

BOOZ ALLEN HAMILTON

Dr. Mark Couch
Live Fire Test and Evaluation, Operational Evaluation Division, Institute for Defense Analyses (IDA)
Chair, NDIA's Air Combat Survivability Division

1:05 – 2:05 pm

Panel Discussion

BOOZ ALLEN HAMILTON

Dr. Mark Couch
Live Fire Test and Evaluation, Operational Evaluation Division, Institute for Defense Analyses (IDA)
Chair, NDIA's Air Combat Survivability Division
Moderator

Lt Gen Christopher Bogdan, USAF (Ret)
Former Executive Vice President, Booz Allen Hamilton

2:05 – 2:25 pm

Networking Break

BOOZ ALLEN HAMILTON

Session 4: Digital Engineering, Modeling and Simulation, and Mission-Level Assessment | Chair: Tara Trumbull

2:25 – 2:35 pm

Introduction to Session

BOOZ ALLEN HAMILTON

Tara Trumbull
Senior Principal Systems Architect, Raytheon

2:35 – 3:00 pm

Digital Shrapnel: A Model-Based Approach to Cyber Survivability on Aircraft

BOOZ ALLEN HAMILTON

William Bryant
MTSI

3:00 – 3:25 pm

Mission Engineering Analyses

BOOZ ALLEN HAMILTON

Christian Randolph
Booz Allen Hamilton

3:25 – 3:50 pm

Leveraging the Joint Simulation Environment (JSE) and Digital Test and Training Range (DTTR) for Advanced Aircraft Survivability T&E

BOOZ ALLEN HAMILTON

Christopher McMurtry
445th Test Squadron

3:50 – 4:00 pm

Closing Remarks

BOOZ ALLEN HAMILTON

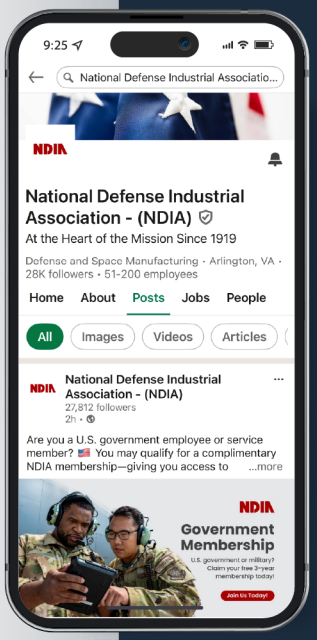
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Live Fire Test and Evaluation, Operational Evaluation Division, Institute for Defense Analyses (IDA)
Chair, NDIA's Air Combat Survivability Division

NDIA

Advancing the Mission, Connecting the Community.

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Biographies



Eric Hoffman

Senior Vice President, Booz Allen Hamilton

Eric Hoffman is a Senior Vice President at Booz Allen Hamilton and is part of a leadership team that delivers space warfighting capabilities and transformational solutions for DoD and the Intel Community. Eric is an experienced program manager and today leads Booz Allen's United States Space Force business.

Eric joined Booz Allen in May of 2000 after starting his career in the United States Air Force by serving seven years as an active-duty space acquisition officer. During his time in the Air Force, Eric initially worked as a Small Launch Vehicle Engineer on the Pegasus program. He supported the Delta II launch vehicle program as a ground systems engineer. During his final assignment, he was the On-Orbit Operations Manager for the Milstar satellite system.

During his nearly 26-year tenure at Booz Allen, Eric has held numerous engineering, program and portfolio management roles of increasing responsibility. Today he leads programs in the areas of space sensing; resilient positioning, navigation, and timing (PNT); MILSATCOM; signal processing; large-scale space program integration; launch and range systems, software development; cyber systems and digital engineering. Prior leadership roles also include leading Booz Allen's Air Force Nuclear and NASA business portfolios.

Eric holds a B.S. in Aeronautical Engineering from Embry-Riddle Aeronautical University (Prescott Campus), where he was the Distinguished Graduate in 1993 for the Aerospace Engineering Department. He holds an MBA from Pepperdine University.

Eric has supported the local community as a member of the El Segundo Library Board of Trustees and is a life member of the Air Force Association.



Jim Rhoads

Air Warfare Live Fire Test Lead and Research Staff Member, Institute for Defense Analyses (IDA)

Mr. Rhoads joined the Institute for Defense Analyses (IDA) in 2010 and currently leads the Air Warfare Live Fire Test group. Before joining IDA, he spent twenty years in industry conducting vulnerability studies and live fire tests, designing and integrating vulnerability reduction features on a range of aircraft, and developing and leading several live fire test programs. At IDA, he supports DOT&E in assessing current acquisition programs, with particular emphasis on survivability. His review of the 2009 Study on Rotorcraft Survivability prompted a more detailed analysis of combat data from OEF/OIF after he joined IDA in 2010, focused on understanding whether ballistic vulnerability requirements made aircraft more survivable, what types of damage aircraft survived, and how live fire testing could be improved. Mr. Rhoads holds a Bachelor's degree in Aerospace Engineering and a Master's degree in Systems Engineering.

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NTSA

I/ITSEC

November 30 –
December 3, 2026
Orlando, FL



2027 Pacific Operational Science & Technology (POST) Conference

March 8 – 11, 2027**
Honolulu, HI



37th Annual Special Operations Symposium

February 2 – 3, 2027
Washington, D.C.



2027 Undersea Warfare Spring Conference

March 22 – 24, 2027*
San Diego, CA



41st Annual National Logistics Forum

February 8 – 10, 2027
Orlando, FL



2027 Munitions Executive Summit

March 30 – 31, 2027
Parsippany, NJ



2027 Tactical Wheeled Vehicles Conference

February 15 – 17, 2027
Richmond, VA



DLA Supply Chain Alliance Symposium & Exhibition

May 4 – 6, 2027
Richmond, VA

*All Classified | **Partially Classified

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