



**NDIA**

# Robotics Division

## Quarterly Meeting

April 29, 2025 | Arlington, VA

[NDIA.org](https://www.ndia.org)

# Event Information

## EVENT CONTACT

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Meeting Planner

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Associate Director, Divisions

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## SURVEY AND PARTICIPANT LIST

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

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# Agenda

8:00 am – 2:00 pm

## Registration

8:00 – 9:00 am

## Networking Breakfast

9:00 – 9:10 am

## NDIA Welcome

**The Hon. David L. Norquist**  
President & CEO, NDIA

9:10 – 9:20 am

## Introduction/Administration

**LTC Matt Dooley, USA (Ret)**  
Defense Strategic Initiatives Lead, Forterra  
Chair, NDIA's Robotics Division

9:20 – 10:00 am

## Keynote Speaker

**Dr. Brian Ellis**  
OPTIC Program Manager, USACE Aviation  
*Virtual*

10:00 – 10:30 am

## Networking Break

10:30 – 11:10 am

## Jam-Resistant Wireless Communication and Shared Secrets in Zero-Trust Peer-to-Peer Networks (Communications in a Hostile E/W Environment)

**LTC Joshua Groen, USA**  
Assistant Professor, U.S. Military Academy West Point

11:10 – 11:50 am

## Tactical Edge Embodied AI Mesh (TEEAM)

**Col Ben Richardson, USMC (Ret)**  
Chief Commercial Officer, Gambit Defense, Inc.

11:50 am – 1:00 pm

## Networking Lunch

1:00 – 1:45 pm

## Army Robotics & Autonomous Systems Update

Stuart Hatfield

Division Chief, Human-Machine Integration Division, U.S. Army G8

1:45 – 2:00 pm

## White Board Concept Proposal Review

LTC Matt Dooley, USA (Ret)

Defense Strategic Initiatives Lead, Forterra  
Chair, NDIA's Robotics Division

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**2025  
FUTURE FORCE  
CAPABILITIES  
CONFERENCE &  
EXHIBITION**

**NDIA**

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IPW | Munitions | Robotics**

**SAVE THE DATE!**

September 30 – October 3, 2025  
Fort Worth, TX  
NDIAFFC.org

# Keynote Speaker



## Dr. Brian Ellis

*OPTIC Program Manager, USACE Aviation*

Brian Ellis is an accomplished aviation expert with over two decades of experience in rotary wing aviation

serving as a Black Hawk aviator. He attended the U.S. Army Warrant Officer Candidate School and Initial Entry Rotary Wing Aviator course at Ft. Rucker, AL (now Ft. Novosel) in 2002. Brian is qualified as an instructor pilot and instrument flight examiner in the UH-60A, UH-60L, UH-60M. He is also qualified as a mission pilot and Maintenance Test Pilot in the MH-60M. A recently retired Chief Warrant Officer 5 (CW5), he served as a Standardization Officer at all echelons from company Standardization Pilot to Theater Standardization Officer in U.S. Army Europe. He performed the Aeromedical Evacuation, VIP, Air Assault, and General Support before favorably assessing with the 160th Special Operations Aviation Regiment (Airborne) and serving as a Night Stalker until his retirement in April, 2024. During his service, Brian deployed to Iraq 4 times, twice in support of Operation Iraqi Freedom (OIF II & OIF V-Surge), twice in support of Operation Inherent Resolve, and to Afghanistan in support of Operation Enduring Freedom X (Afghanistan Surge). Brian has also deployed several times throughout Southern Europe in support of KFOR in Kosovo (2011 – 2014), and to Turkey in support of Operation Atlantic Resolve (2016). In addition, Brian also participated in domestic support during the summer of 2005 for relief efforts in the aftermath of Hurricane's Katrina and Rita.

Brian holds a PhD in Higher Educational Leadership from TUI, an MA in Aviation Education from TUI, and a BS in Professional Aeronautics from Embry-Riddle Aeronautical University. He holds an FAA Airline Transport Pilot – Helicopter certificate and is an FAA Certified Flight Instructor (CFI and CFII) and holds an NVG Instructor endorsement and Small Unmanned Aerial System Remote Pilot certificate. His PhD research studied the Dunning-Kruger Effect in Aviators and it's Relationship with Aviator Flying Hour Experience. Throughout his career Brian focused on improving the efficacy of aviation training programs by increasing aviator situational awareness through exposure to meaningful training iterations and scenarios. These initiatives have shaped pilot-in-command training programs and unit-level training programs for new and seasoned instructor pilots throughout the Army.

With a deep understanding of how aviators learn, Brian Ellis frequently serves as a consultant to both private and government organizations, contributing to science and technology research as well as research and development programs for human-machine interface and holistic situational awareness and decision-making programs. His deep expertise has led to significantly reduced research and development time in the design of software and hardware in use in Army aircraft.

Brian is passionate about educating and mentoring the next generation of aviation professionals. He contributes as a coach for an aviation mental performance program, helping aviators improve their mindset and confidence for aviation operations.

# VITAL SIGNS 2025

The Health and Readiness of the Defense Industrial Base

Visit [NDIA.org/VS25](https://www.ndia.org/VS25) to download NDIA's free report.





# LEADING THE WAY IN ENGAGEMENT, NETWORKING, AND NATIONAL DEFENSE

Plan Ahead for Success | 2025 Featured Meetings, Conferences, and Events



## DLA Supply Chain Alliance Symposium & Exhibition

June 11 – 12, 2025 | Richmond, VA



## 2025 Emerging Technologies for Defense Conference & Exhibition

August 27 – 29, 2025 | Washington, D.C.



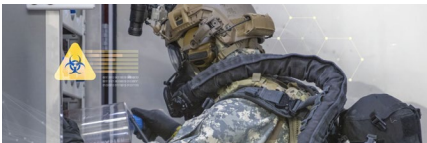
## Training & Simulation Industry Symposium 2025

June 17 – 18, 2025 | Orlando, FL



## 2025 Undersea Warfare Fall Conference

September 15 – 17, 2025\* | Groton, CT



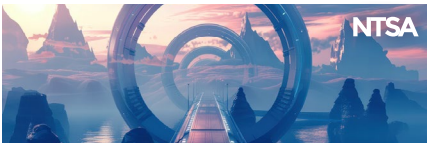
## 2025 CBRN Defense Conference

June 23 – 25, 2025 | Baltimore, MD



## Fall 2025 Integrated Program Management Division Forum

September 23 – 25, 2025 | La Jolla, CA



## MODSIM World 2025

August 18 – 20, 2025 | Norfolk, VA



## Future Force Capabilities Conference & Exhibition

September 30 – October 3, 2025 | Fort Worth, TX



## Space Warfighter Forum

August 26 – 28, 2025 | Colorado Springs, CO



## Interservice/Industry Training, Simulation and Education Conference

December 1 – 4, 2025 | Orlando, FL

\*All Classified  
\*\*Partially Classified

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