



NDIA

2025 Pacific Operational Science & Technology (POST) Conference

Together We Prevail

March 3 – 7, 2025 | Honolulu, HI | [NDIA.org/POST](https://ndia.org/POST)

Agenda

Sunday, March 2

10:00 am – 5:00 pm
(All times are in HST)

Registration

KAMEHAMEHA EXHIBIT HALL III

12:00 – 5:00 pm

Satellite Registration

HILTON HAWAIIAN VILLAGE – RAINBOW LANAI

Monday, March 3

7:00 am – 6:30 pm

Registration

KAMEHAMEHA EXHIBIT HALL III

7:00 – 8:00 am

Networking Coffee Break

KAMEHAMEHA EXHIBIT HALL III

8:00 – 8:15 am

Opening Remarks

KALĀKAUA BALLROOM

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

Dr. Martin Lindsey
S&T Advisor, U.S. Indo-Pacific Command

8:15 – 9:15 am

U.S. Indo-Pacific Command Keynote

KALĀKAUA BALLROOM

ADM Samuel Paparo, USN
Commander, U.S. Indo-Pacific Command

9:15 – 10:00 am

International Keynote

KALĀKAUA BALLROOM

Dr. Seong Tae Jeong
Chief Technology Officer, Advanced Defense S&T Research Institute, Agency for Defense Development

9:30 am – 6:30 pm

Exhibit Hall Open*

KAMEHAMEHA EXHIBIT HALL III

10:00 – 10:45 am

Networking Break & Poster Review in the Exhibit Hall

KAMEHAMEHA EXHIBIT HALL III

10:45 – 11:30 am

Keynote

KALĀKAUA BALLROOM

Mr. Robert Stephenson

Director, Requirement and Resources (J8), U.S. Indo-Pacific Command

11:30 am – 12:30 pm

Component S&T Advisor panel

KALĀKAUA BALLROOM

Dr. Martin Lindsey

S&T Advisor, U.S. Indo-Pacific Command

Moderator

Vincent Thiele

Science Advisor, U.S. Pacific Fleet

Dr. Michael Durstock

Chief Scientist, Pacific Air Forces (PACAF)

Justin Helton

Science Advisor to the Commander, U.S. Marine Corps Forces, Pacific (MARFORPAC)

Kevin Ruddell

Science and Technology Representative, U.S. Special Operations Pacific (SOCPAC)

Dr. Robert Smith

Science and Technology Advisor, U.S. Army Pacific (USARPAC)

12:30 – 2:00 pm

Networking Lunch

KAMEHAMEHA EXHIBIT HALL III

2:00 – 3:15 pm

Commercial Technology Interchange Panel

KALĀKAUA BALLROOM

Chris Murphy

AI/ML Portfolio Technical Director, INDOPACOM Embed, Defense Innovation Unit (DIU)

Moderator

Bryan Wilson

Director, Global Partnerships, Defense Innovation Unit

Dr. Carolyn Patteson

Chief Science Strategic Planning & Engagement, Defense Science and Technology Group (DSTG)

Kyosuke Matsumoto

Director General of Technology Strategy, Acquisition, Technology, and Logistics Agency (ATLA)

Breakout Sessions – Monday March 3

2:00 – 3:15 pm

Directed Energy

KAUA'I – ROOM 311

Dr. G. Darl Lewis

Directed Energy Staff Specialist, U.S. Indo-Pacific Command J85
Moderator

Dr. Christopher Lloyd

Distinguished Scientist for Directed Energy, Naval Surface Warfare Center Dahlgren Division

Adam Aberle

Senior Advisor for Directed Energy, Headquarters, Department of the Army, Rapid Capabilities and Critical Technologies Office

Dr. Donald Shiffler

Chief Scientist, Air Force Research Laboratory Directed Energy Directorate

JIFCO

NIIHAU – ROOM 312

JIFCO will lead a comprehensive discussion on Intermediate Force Capabilities (IFCs), focusing on the development efforts in counter personnel and counter material technologies to provide force projection in the maritime environment while campaigning below the level of armed conflict and their strategic impacts throughout the competition continuum by providing the joint force, allies, and partners with options for a credible military response in support of a Free and Open Indo-Pacific.

Daniel Edwards

Division Chief, Advanced Prototypes, Joint Intermediate Force Capabilities Office (JIFCO)

BGEN Edgar Torres

Assistant Deputy Chief of Staff for Civil-Military Operations, Armed Forces of the Philippines

Mr. Kevin Ruddell

Science and Technology Representative, U.S. Special Operations Pacific (SOCPAC)

Dr. Joshua Haste

Deputy Regional Advisor for Irregular Warfare Center, U.S. Indo-Pacific Command

2:00 – 5:15 pm

Breakout Session: Technical Interchange Meeting (Invitation only)

LILI'U THEATER – ROOM 310

This breakout session will take part in the networking break from 1515 – 1600.

This meeting will inform on select Department of Defense project funding programs that support joint capability development.

To attend you must have a DoD CAC and/or have submitted your clearance by visiting the "Clearance Submission Information" section under the "Registration" tab on the NDIA page. You must also provide Dr. Greg Power (gregory.j.power.civ@us.navy.mil) your name, rank, title, organization, email address, and phone number to be added to the attendee list.

- 3:15 – 4:00 pm **Networking Break & Poster Review in the Exhibit Hall**
KAMEHAMEHA EXHIBIT HALL III
- 4:00 – 5:00 pm **Lessons Learned In Ukraine: Electronic Warfare and Air Defense Panel**
KALĀKAUA BALLROOM
- Curry Wright**
S&T Advisor, Joint Mission Tailored Package (JMTP) Lead, Security Assistance Group – Ukraine (SAG-U)
Moderator
- LTC James Compton**
Defense Advisor (Air Defense) to Ukraine
- Dr. Alexyi Boyarsky**
Special Advisor to Minister of Digital Transformation
- 5:00 – 5:15 pm **Day One Recap**
KALĀKAUA BALLROOM
- Dr. Martin Lindsey**
S&T Advisor, U.S. Indo-Pacific Command
- 5:15 – 6:30 pm **Networking Reception & Poster Review in the Exhibit Hall**
KAMEHAMEHA EXHIBIT HALL III

Tuesday, March 4

- 7:00 am – 6:00 pm **Registration**
KAMEHAMEHA EXHIBIT HALL III
- 7:00 – 8:15 am **Networking Coffee Break**
KAMEHAMEHA EXHIBIT HALL III
- 8:15 – 8:30 am **Opening Remarks**
KALĀKAUA BALLROOM
- Dr. Martin Lindsey**
S&T Advisor, U.S. Indo-Pacific Command

8:30 – 9:45 am

International Panel

KALĀKAUA BALLROOM

Commodore Paul O’Grady, DSM, CSM

Royal Australian Navy, J5 Strategy Director, U.S. Indo-Pacific Command

Moderator

Dr. Chandrika Kaushik

Director General, Production Coordination and Services Interaction, Defence Research and Development

BGEN Edgar Torres

Assistant Deputy Chief of Staff for Civil-Military Operations, Armed Forces of the Philippines

COL Gerald Sim

Director, Defence Technology Collaboration Office, Ministry of Defence Singapore

Sally Garrett

Division Chief Science and Technology Delivery – Information Warfare, New Zealand Defence Force

LTCOL Christian Tupou

Component Commander – Land Force, Kingdom of Tonga

Dr. Sylvie Perreau

Chief Sensors & Effectors, Defence Science and Technology Group (DSTG)

9:30 am – 6:00 pm

Exhibit Hall Open*

KAMEHAMEHA EXHIBIT HALL III

9:45 – 10:30 am

Networking Break & Poster Review in the Exhibit Hall

KAMEHAMEHA EXHIBIT HALL III

10:30 – 11:30 am

DOE Lab

KALĀKAUA BALLROOM

Gen Charles Holland, USAF (Ret)

Former Commander, Headquarters U.S. Special Operations Command, MacDill Air Force Base, Florida

Moderator

John Miller

Associate Director for Weapons Technologies and Engineering (WTE) for Strategic Deterrence (SD), Lawrence Livermore National Laboratory

Zachary Tudor

Associate Laboratory Director, National & Homeland Security, Idaho National Laboratory

Dr. Moe Khaleel

Associate Laboratory Director, National Security Sciences, Oak Ridge National Laboratory

RADM Scott Jerabek, USN (Ret)

Director, Global Threat Response, Kansas City National Security Campus

Breakout Sessions – Tuesday, March 4

10:30 am –
12:30 pm

Breakout Session: Technical Interchange Meeting (Invitation only)

LILI'U THEATER – ROOM 310

This meeting will inform on capability requirements and how to work with Military Services, Combatant Commands, and Agencies as well as some of their unique funding sources.

To attend you must have a DoD CAC and/or have submitted your clearance by visiting the "Clearance Submission Information" section under the "Registration" tab on the NDIA page. You must also provide Dr. Greg Power (gregory.j.power.civ@us.navy.mil) your name, rank, title, organization, email address, and phone number to be added to the attendee list.

10:30 am –
12:30 pm

Breakout Session: Manufacturing Technology

KAUA'I – ROOM 311

Technology Innovation Industrial Base – Supporting Collaboration for the INDOPACOM Mission

Tracy Frost, SES

Senior Executive Service Director of Technology Innovation Industrial Base (TIIB), OASD (S&T)

Moderator

Dr. Kate Sixt

Principal Director for Biotechnology, OUSD R&E

Dr. Aisha Haynes

Principal Director for Advanced Materials, OUSD R&E

Dr. Greg Hudas

Acting Director of Sustainment Technology, OUSD R&E

Keith DeVries

Director of Manufacturing Technology, OUSD R&E

Manufacturing Technology – INDOPACOM Focused Initiatives

Keith DeVries

Director of Manufacturing Technology, OUSD R&E

Moderator

Dr. Steve Recchia

Acting Program Manager for Manufacturing Innovation Institutes, OUSD R&E

Justin McRoberts

Program Manager for Manufacturing Science & Technology, OUSD R&E

Dr. Charlene Stokes

Program Manager for Manufacturing-Education Workforce Development, OUSD R&E

Joint Additive Manufacturing Working Group – Utilizing Additive Manufacturing at the Point of Need

Dr. Brett Conner

Program Lead for Joint Additive Manufacturing Working Group (JAMWG)

Lt Col Elisa Peters, USAF (Ret)

Program Lead for Joint Additive Manufacturing Working Group (JAMWG)

11:30 am – 12:00 pm

Day Two Recap

KALĀKAUA BALLROOM

Dr. Martin Lindsey

S&T Advisor, U.S. Indo-Pacific Command

Networking Lunch

KAMEHAMEHA EXHIBIT HALL III

Breakout Sessions – Tuesday, March 4

1:30 – 2:00 pm

xTechPacific Information Session

ROOM 305B

Are you a U.S. small business interested in opportunities to help solve critical technical challenges for the U.S. Army, with a focus on the Indo-Pacific? The xTechPacific 2025 Informational Session will cover all you need to know about the U.S. Army's xTechPacific 2025 competition. Representatives from the U.S. Army Pacific (USARPAC) and the U.S. Army xTech Program will share information about the competition, including the technical problem statements, competition eligibility, submission process, evaluation criteria, and prize structure.

1:45 – 3:00 pm

Commercial Space to the Warfighter

ROOM 301AB

Arthur Grijalva

Director, SpaceWERX
Moderator

Lt Col Daniel Karrels, USAF

Deputy Director, Requirements, Resources, Programs & Assessments (S8/9),
U.S. Space Forces, Indo-Pacific Command

Dr. Bryan Dorland

Principal Director for Space Technology, Office of the Assistant Secretary of Defense for Critical Technologies

Critical Infrastructure Assurance

LILI'U THEATER – ROOM 310

Tim Kosiba

Principal Cyber Advisor, Savannah River National Laboratory
Moderator

Mr. John Garstka

Director, Cyber Warfare, Platform and Weapon Portfolio Management, OUSD A&S

VADM T.J. White, USN (Ret)

Founder & Manager, OneNetworkConnections, LLC

Noah Smith

Counter Unmanned Systems (C-UXS)

KAUA'I – ROOM 311

Joel Young

Analyst, C-UUV, U.S. Indo-Pacific Command J81, Innovation & Experimentation
Moderator

Craig Pajak

Senior Maritime Analyst, NORAD, USNORTHCOM

Matthew Kershner

Deputy Director, Nuclear Safety Chair, Physical Security Enterprise & Analyses Group, Office of the Under Secretary of Defense for Acquisition and Sustainment (OUSD (A&S))

Col Jennifer Massett, USAF

Director, Unmanned Systems Technologies, Office of the Under Secretary of Defense for Research and Engineering, S&T Futures, Emerging Tech

Rodney Takahashi

C-sUAS Program Manager, U.S. Indo-Pacific Command J343

Breakout Sessions – Tuesday, March 4

1:45 – 3:00 pm

CBRN Panel

NI'IIHAU – ROOM 312

The CB Defense Panel will explore how to accelerate getting CB defense technology to the Warfighter through international S&T Collaboration and operational experimentation.

Dr. Michael von Fahnestock

Science & Technology Senior Program Manager, U.S. Indo-Pacific Command
Moderator

Robert Stephenson

Director, Requirement and Resources (J8), U.S. Indo-Pacific Command

Dr. Jennifer Sparks

Senior Director, International Cooperation, Office of the Deputy Assistant Secretary of Defense for Chemical and Biological Defense (DASD(CB))

Dr. Sylvie Perreau

Chief Sensors & Effectors of the Defence Science and Technology Group (DSTG)

Dr. Hyun-Woo Nam

Senior Researcher CBRN Defense, Agency for Defence Development (ADD)

3:00 – 3:45 PM

Networking Break & Poster Review

KAMEHAMEHA EXHIBIT HALL III

VITAL SIGNS 2025

The Health and Readiness of
the Defense Industrial Base

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



Breakout Sessions – Tuesday, March 4

3:45 – 5:00 pm

Exportability & Experimentation

ROOM 301AB

Kavita Braun

Assistant Program Manager, Targeting Concepts & Experimentation Portfolio,
Johns Hopkins University Applied Physics Laboratory

Pacific Multi-Domain Training Experimentation Capability

LILI'U THEATER – ROOM 310

Brent Parker

Commercial Industry Engagement, U.S. Indo-Pacific Command J7, J708 PMTEC
Moderator

Scott Brunstetter

U.S. Indo-Pacific Command J2, Mission Integration

Jennifer Kurylowicz

Information Operations, U.S. Indo-Pacific Command J708 PMTEC

Abe Webb

All-Domain Training Exercise Coordinator, U.S. Indo-Pacific Command J708 PMTEC

Mary Ann Swendsen

Experimentation Integrator, U.S. Indo-Pacific Command J708 PMTEC

Benjamin Michaels

Warfighter Integration Cell Director, Space Development Agency

Counter Small Unmanned Aircraft Systems (C-SUAS)

KAUA'I – ROOM 311

This session aims to facilitate international cooperation between the US and its partner countries in addressing the threat posed by small unmanned aerial systems, with an emphasis on attributes of various C-sUAS technologies, joint technology development and acquisition strategies.

Rodney Takahashi

C-sUAS Program Manager, U.S. Indo-Pacific Command J343
Moderator

Dr. Gregory Power

Liaison, Prototypes & Experimentation, U.S. Indo-Pacific Command J85

CBRN & HDIAC Workshop

NI'IHAU – ROOM 312

Following chem bio defense introductory briefings, this workshop offers participatory discussion with DoD Information Analysis Center representatives on how industry and academia may contribute to the Chem Bio Defense Program

Melanie Moore

Outreach Officer, Defense Systems Information Analysis Center

Dr. Michael von Fahnstock

Science & Technology Senior Program Manager, U.S. Indo-Pacific Command

5:15 – 6:15 pm

Networking Reception & Poster Review

KAMEHAMEHA EXHIBIT HALL III

Wednesday, March 5 (Closed)

7:00 am – 5:00 pm	Registration & Device Storage ALA HALAWAI CENTER CONCOURSE
7:00 – 8:00 am	Networking Coffee ALA HALAWAI CENTER CONCOURSE
8:00 – 8:15 am	Welcome Remarks KALĀKAUA BALLROOM
8:15 – 8:45 am	PACFLT KALĀKAUA BALLROOM
8:45 – 9:15 am	PACAF KALĀKAUA BALLROOM
9:15 – 9:45 am	USSPACEFOR-INDOPAC KALĀKAUA BALLROOM
9:45 – 10:15 am	Networking Break ALA HALAWAI CENTER CONCOURSE
10:15 – 10:45 am	SOC PAC KALĀKAUA BALLROOM
10:45 – 11:15 am	MARFORPAC KALĀKAUA BALLROOM
11:15 – 11:45 am	USARPAC KALĀKAUA BALLROOM
11:45 am – 1:15 pm	Networking Lunch ALA HALAWAI CENTER CONCOURSE (SEATING IN NI'HAU & O'AHU)

1:15 – 2:00 pm

Australia

KALĀKAUA BALLROOM

2:00 – 2:30 pm

Japan

KALĀKAUA BALLROOM

2:30 – 3:00 pm

United Kingdom

KALĀKAUA BALLROOM

3:00 – 3:30 pm

Networking Break

ALA HALAWAI CENTER CONCOURSE

3:30 – 4:00 pm

New Zealand

KALĀKAUA BALLROOM

4:00 – 4:30 pm

Canada

KALĀKAUA BALLROOM

4:30 – 5:00 pm

Lessons Learned in Ukraine: CUAS/Air Defense

KALĀKAUA BALLROOM

Thursday, March 6 (Closed)

7:00 am – 5:00 pm

Registration & Device Storage

ALA HALAWAI CENTER CONCOURSE

7:00 – 8:00 am

Networking Coffee

ALA HALAWAI CENTER CONCOURSE

8:00 – 8:45 am

Intelligence Briefing

KALĀKAUA BALLROOM

8:45 – 9:15 am

China Strategic Focus Group (CSFG) Brief

KALĀKAUA BALLROOM

9:15 – 9:45 am	Networking Break ALA HALAWAI CENTER CONCOURSE
9:45 – 11:00 am	U.S. Indo-Pacific Command Integrated Priority List KALĀKAUA BALLROOM
11:00 am – 12:45 pm	Lunch On Own
12:45 – 1:45pm	ROK Operations KALĀKAUA BALLROOM
1:45 – 2:00 pm	Brief Break
2:00 – 3:00 pm	ROK Requirements KALĀKAUA BALLROOM
3:00 – 3:15 pm	Brief Break
3:15 – 4:15 pm	USFK IPL KALĀKAUA BALLROOM
4:15 – 4:30 pm	Closing Remarks KALĀKAUA BALLROOM

EMERGING TECHNOLOGIES FOR DEFENSE
CONFERENCE & EXHIBITION

SAVE THE DATE!

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

ETI | NDIA

Friday, March 7 – MCBH Kaneohe Bay – POST Field Experimentation (POST FX)

8:45 – 9:15 am

Buses Depart From the Location (Pre-Registration Required)

All attendees must wear their conference badge to board the bus. No exceptions

First bus will depart at 8:45 am and the last bus will depart at 9:15 am. Come early!

9:30 – 10:00 am

Participant Check In

MARINE CORPS BASE HAWAII, HANGAR 104

10:00 – 10:15 am

Welcome & Opening Remarks

MARINE CORPS BASE HAWAII, HANGAR 104

1:00 – 2:00 pm

Buses Return to the Location (Pre-Registration Required)

First bus will depart at 1:00 pm and the last bus will depart at 2:00 pm

The NDIA has a policy of strict compliance with federal and state antitrust laws. The antitrust laws prohibit competitors from engaging in actions that could result in an unreasonable restraint of trade. Consequently, NDIA members must avoid discussing certain topics when they are together at formal association membership, board, committee, and other meetings and in informal contacts with other industry members: prices, fees, rates, profit margins, or other terms or conditions of sale (including allowances, credit terms, and warranties); allocation of markets or customers or division of territories; or refusals to deal with or boycotts of suppliers, customers or other third parties, or topics that may lead participants not to deal with a particular supplier, customer or third party.

* The exhibit hall is a separate event to POST 2025 and is hosted exclusively by NDIA.
U.S. Indo-Pacific Command does not support or endorse the exhibit hall event.

DLA SUPPLY CHAIN ALLIANCE CONFERENCE & EXHIBITION

This year's conference promises to be one of the best, with government and industry leaders focusing on future logistics support strategies, challenges, and streamlining efforts to better support the warfighter. Join us as we host dynamic speakers from industry and defense with backgrounds in logistics and acquisition, aviation, and land and maritime. No matter if you are a small business looking to begin a working relationship with DLA or an established large business that wants to strengthen the relationship you have already developed, we look forward to your participation at this event!



REGISTER TODAY!

June 11 – 12, 2025 | Richmond, VA | [NDIA.org/DLA25](https://ndia.org/DLA25)

Poster Presentations

The Sandia Mobile Vault: Enhancing Security and Rapid Deployment

The need for secure, rapidly deployable storage solutions for sensitive materials, particularly in austere environments, is critical for the U.S. Military. Current systems do not adequately support the rapid deployment of nuclear weapons or other high-value assets in forward deployment scenarios. The Sandia Mobile Vault addresses this significant gap by providing a customizable, secure storage solution that can be deployed quickly and efficiently.

Forward Fuels

GE Vernova's co-electrolysis technology could provide liquid fuels to warfighters in the safest way possible. Producing fuel as close to the war front as possible mitigates risk of losing the fuel and will cut down on casualties caused by long and dangerous supply lines. These supply lines could be on land or on water.

Advancements in Hypersonic Technologies from the Journal of DoD Research and Engineering

This poster explores recent advancements in hypersonic technologies, focusing on vehicle design, propulsion, and materials science. It emphasizes the importance of interdisciplinary collaboration to overcome challenges and strengthen hypersonic capabilities for U.S. defense strategy in the Pacific.

Advanced Computing and Software in Defense Strategy: The Digital Transformation of Hegemony, a Game of Strategic Choices

In an era of great power competition, the convergence of artificial intelligence with defense strategy is vital for the U.S. to maintain its strategic military advantage. Hegemony AI is a collaboration between JHU APL and RAND to reimagine RAND's DoD-themed tabletop strategy board game Hegemony as a multiplayer online digital experience enabled by generative AI.

Airborne Expeditionary Renewable Energy System

The Airborne Power Generator research program is developing a tethered autonomous UAS capable of harnessing wind energy for operational energy purposes. Wind energy is largely absent from the Joint Force's operational energy mix due to the size, weight, and power constraints of traditional wind turbines. This technical approach replaces the cumbersome tower of a traditional wind turbine by leveraging advancements in autonomy, machine learning, and power electronics to deliver renewable wind energy capability in a highly mobile form.

Skydweller GEOplane uncrewed solar aircraft – Enabling USINDOPACOM's Strategic Priorities through Perpetual Flight®

Skydweller's GEOplane uncrewed solar aircraft leverages innovative technologies to achieve USINDOPACOM's strategic priorities, including: Resilient Communication/JADC2, hybrid fleet connectivity, perpetual Maritime Domain Awareness/ISR, and extreme range targeting.

Utilizing the most advanced AI, ultra-reliable autonomous systems, advanced materials, and renewable energy technologies, the GEOplane seamlessly integrates extreme range targeting and ISR with the Joint Fires Network, Naval Operational Architecture, and FutureG networks.

With its Perpetual Flight® capability to operate independently of fuel supplies to deploy advanced sensing and cyber-resilient systems, Skydweller GEOplane is a transformative platform for addressing complex and contested operational challenges.

CANTATA

Through CANTATA, we aim to deliver a suite of data, tools, and methods to allow analysts to rapidly assess U.S. and adversary progress in technology areas and then inform decisions about how to ensure the United States develops and acquires the right capabilities.

Renewable Antimicrobial Paints for Interior Surfaces

Mold contamination in interior spaces, for example, dormitories, is not only an Air Force problem but is also seen across the entire DoD. However, scientists within the Air Force are already advancing the use of a coating technology that not only inhibits mold growth but also kills bacteria and viruses.

Subterranean Network Investigation Package: Mesh-Enabled Sensors and Robotic Mapping for Subterranean Threat Detection

The Subterranean Network Investigation Package leverages small, low-power sensors connected by a wireless mesh network and deployed by robots to detect and map hidden chemical threats in subterranean environments. By integrating advanced electrochemical and QCM-based sensing with a robust self-healing communication system, operators can remotely monitor TIC/M presence in near real-time. This approach reduces risk to personnel and enhances mission planning in complex, GPS-denied settings.

Poster Presentations (Continued)

Zero Trust: beyond Technology

Zero Trust (ZT) architectures impact every DOD system today, yet many think it is only a technology issue, but instead successful ZT deployment depends on people process and technology. This poster addresses the complete and full path required to properly and successfully implement ZT through the many other factors to develop people skills and knowledge, as well as the processes necessary for ZT within the System Development Lifecycle.

Defense Applications of Deployable, Compact Neutron Generator Sources & Instruments and Deployable, Compact Gas Analyzers

Presented are the defense applications of compact and deployable pair of instruments:

- (1) Fast and thermal neutron sources for detection, imaging, nondestructive testing
- (2) Gas analyzers for air quality & hazardous gas monitoring

Enhancing All-Hazards Energy Security and Resilience for the Warfighter with Physical and Virtual Scenario Emulation

Properly designed investment in modern distributed and heterogeneous energy systems provides enhanced energy security and resilience for the warfighter from adversarial and extreme weather threats. Distributed and heterogeneous systems that dynamically change the operation of the energy system result in increased difficulty for adversarial planning and increased opportunity for responding to consequences. Designing security and resilience into the evolving energy system requires the use of physical and virtual system emulation at mission-relevant scale and complexity.

Hybrid Renewable Energy Mobile Microgrid – decentralized, ruggedized, deployable pure sine wave power generation/storage/diesel logistics minimization. For remote Command Posts/ Rapid Island basing.

Onetide has significant expertise and knowledge in alternate energy system design and manufacture. Mobile Microgrid was first built in 2015 and has been successfully used as an alternative to diesel generators for Australian Army forward operating bases, offshore Oil and Gas operations (both island and remote location logging system), and commercial building site power.

LOGIC: Logistics and Operations Generated by Intelligent Computation

This project will develop Machine Reasoning and Augmented Human-Machine Reasoning tools to automate, predict, and optimise INDOPACOM supply chain and sustainment support (from repair schedules to equipment, resource distribution and the provision of health support) to enhance the resilience and agility of the Forces.

AI-Enhanced Model Predictive Control for Guidance of Agile Small UAS

Machine learning is used to enhance model predictive control for the guidance of novel small UAS platforms.

Precompetitive Research Thrusts to Make Needed Advances in Autonomous Air Mobility and Sensing

The Center for Autonomous Air Mobility and Sensing (CAAMS) is being proposed by the University of Colorado Boulder, Brigham Young University, Penn State University, Sinclair Community College, Texas A&M University, the University of Michigan, and Virginia Tech to address the unmet, precompetitive research needs of the aviation industry as it moves toward the design, development, and deployment of increasingly autonomous systems.

INDOPACOM Risks to AI Adoption

HiddenLayer discusses the applicable use cases for AI technology and how, when implemented, can be backdoored, hacked, prompted, etc. if not secured.

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NDIA.org/POST/ExhibitsMap





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2025 Human Systems Conference

March 11 – 12, 2025 | Arlington, VA



2025 Undersea Warfare Spring Conference

March 17 – 19, 2025 * | San Diego, CA



2025 Munition Executive Summit

March 18 – 19, 2025 | Parsippany, NJ



Spring 2025 Integrated Program Management Division Forum

March 25 – 27, 2025 | Atlanta, GA



HOSTED BY:



2025 Department of the Air Force

Modeling & Simulation Summit

6 – 9 May 2025 | Orlando, FL

ORGANIZED BY: **NTSA**



DLA Supply Chain Alliance Conference & Exhibition

June 11 – 12, 2025 | Richmond, VA



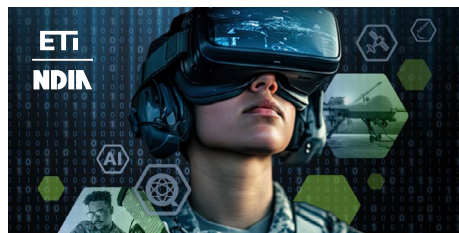
2025 CBRN Defense Conference and Exhibition

June 23 – 25, 2025 | Baltimore, MD



MODSIM World 2025

August 18 – 20, 2025 | Norfolk, VA



2025 Emerging Technologies for Defense Conference & Exhibition

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



Future Force Capabilities Conference & Exhibition

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



I/ITSEC 2025

December 1 – 4, 2025 | Orlando, FL

**All Classified | **Partially Classified*

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