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# SIGNATURE EVENT

MONDAY, 1 DECEMBER • 1030 - 1200 • ROOM 330CDGH

## CONGRESSIONAL M&S CAUCUS

### MODERATOR

**VICE ADMIRAL SEAN BUCK, USN (RET.)**

President, National Training and Simulation Association (NTSA)

### PANELISTS

**REPRESENTATIVE BOBBY SCOTT**

3rd District, Virginia

**REPRESENTATIVE DARREN SOTO**

9th District, Florida

**REPRESENTATIVE JACK BERGMAN**

1st District, Michigan

NTSA and the I/ITSEC Conference 2025 are excited to host the Modeling and Simulation Congressional Caucus Special Event. All attendees and exhibitors are invited to hear first hand from our leaders in Congress who are committed to the success of our industry.

It is a great opportunity for you to interact with Congressional Members on issues of importance to you or your organization and to impress upon them the priorities of the modeling, simulation and training industry. With defense budgets and other Government budgets constantly in flux, this forum provides you a voice to advocate for the value of simulation for training in support of national security and resiliency.



### CONGRESSIONAL M&S CAUCUS MEMBERS

**BOBBY SCOTT**

CAUCUS CO-CHAIR  
3rd District, Virginia

**JACK BERGMAN**

CAUCUS CO-CHAIR  
1st District, Michigan

**JOHN RUTHERFORD**

CAUCUS CO-CHAIR  
5th District, Florida

**DARREN SOTO**

CAUCUS CO-CHAIR  
9th District, Florida

**ROBERT ADERHOLT**

4th District, Alabama

**DON BACON**

2nd District, Nebraska

**GUS BILIRAKIS**

12th District, Florida

**VERN BUCHANAN**

16th District, Florida

**KEN CALVERT**

41st District, California

**JAKE ELLZEY**

6th District, Texas

**VIRGINIA FOXX**

5th District, North Carolina

**SCOTT FRANKLIN**

18th District, Florida

**MAX FROST**

10th District, Florida

**BRETT GUTHRIE**

2nd District, Kentucky

**ERIC SORENSEN**

17th District, Illinois

**MICHAEL TURNER**

10th District, Ohio

**JOE WILSON**

2nd District, South Carolina

**ROBERT J. WITTMAN**

1st District, Virginia



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# SIGNATURE EVENT

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## SPECIAL KEYNOTE FROM THE HONORABLE ANTHONY J. TATA

### MODERATOR

#### VICE ADMIRAL SEAN BUCK, USN (RET.)

President, National Training and Simulation Association (NTSA)

### SPEAKER



#### HONORABLE ANTHONY J. TATA

Under Secretary of War  
for Personnel and Readiness

Mr. Anthony J. Tata was sworn in as the Under Secretary of War for Personnel and Readiness (USW(P&R)) on July 18, 2025. As the USW(P&R), Mr. Tata serves as the principal staff assistant and advisor to the Secretary of War for force readiness; force management; health affairs; National Guard and Reserve Component affairs; education and training; and military and civilian personnel requirements and management, including quality of life matters.

Mr. Tata is a 1981 West Point graduate who completed graduate studies in international relations at The Catholic University of America and The School of Advanced Military Studies. He also served as a National Security Fellow at Harvard University's JFK School of Government.

Mr. Tata served for 28 years in the United States Army, commanding a paratrooper battalion in the 82nd Airborne Division and an air assault brigade in the 101st Airborne Division. In addition, he was the Deputy Commanding General of the 10th Mountain Division and the Joint Task Force 76 in Afghanistan from 2006 to 2007. He also served as the Deputy Director of Joint Concept Development and Experimentation and the Joint IED Defeat Organization.

Mr. Tata's operational deployments and missions include Operation Uphold Democracy to support Haitian stability, Operation Joint Endeavor in Bosnia and Croatia, Operation Jungle Warrior in Panama, Operation Joint Guardian in Kosovo, and Operation Enduring Freedom in Afghanistan.

Upon transitioning from the military, Mr. Tata served as the Chief Operating Officer of Washington, D.C. Public Schools, Superintendent of the Wake County Public School System, and Secretary of Transportation of North Carolina. He also performed the duties of the Under Secretary of Defense for Policy from November 10, 2020, to January 15, 2021. Prior to assuming this position, he was performing the duties of the Deputy Under Secretary of Defense for Policy.

His business background includes presidency of a defense start-up company and leadership of companies in the airborne collection, infrastructure, and oil and gas industries.

He is the recipient of the Army Distinguished Service Medal, Defense Superior Service Medal, Legion of Merit, Combat Action Badge, Afghanistan Campaign Medal, Kosovo Campaign Medal, and Ranger Tab.



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# SIGNATURE EVENT

TUESDAY, 2 DECEMBER, 0830 - 0900 • HYATT WINDERMERE BALLROOM

## OPENING FIRESIDE CHAT WITH HONORABLE MICHAEL DUFFEY

UNDER SECRETARY OF DEFENSE FOR ACQUISITION AND SUSTAINMENT

### MODERATOR

#### THE HONORABLE DAVID L. NORQUIST

President and Chief Executive Officer, National Defense Industrial Association (NDIA)

**THE HONORABLE MICHAEL DUFFEY** was sworn in as the Under Secretary of Defense for Acquisition and Sustainment (USD(A&S)) on June 5, 2025. In this role, he is responsible to the Secretary of Defense for all matters pertaining to acquisition; contract administration; logistics and materiel readiness; installations and environment; operational energy; nuclear deterrence, chemical, and biological defense; the acquisition workforce; and the defense industrial base.

### SPEAKER



#### THE HONORABLE MICHAEL P. DUFFEY

Under Secretary of Defense for Acquisition and Sustainment

Over the past two decades, Mr. Duffey has served in several senior roles throughout the Department of Defense, including Deputy Chief of Staff to the Secretary of Defense, Chief of Staff to the Under Secretary of Defense for Research and Engineering, as well as multiple positions in the former Office of the Under Secretary of Defense for Acquisition, Logistics and Technology. Throughout his tenure in the Department, Mr. Duffey has led efforts to improve the application of systems engineering in the Department's development and procurement of our most complex weapon systems, established a capability to prioritize and protect critical technologies from exfiltration by our adversaries, and led teams developing critical technologies that maintain U.S. technological advantage on the battlefield.

In addition to his leadership at the Department of Defense, Mr. Duffey served as the Program Associate Director for National Security at the Office of Management and Budget (OMB), where he oversaw the entire \$1+ trillion national security budget for the United States Government, including the Departments of Defense, State, Veterans Affairs, the Office of the Director of National Intelligence, the Central Intelligence Agency, and several international economic agencies. In his role at OMB, Mr. Duffey worked with Department leadership to publish a robust 30-year shipbuilding strategy prioritizing U.S. maritime superiority, and led efforts to fund nuclear modernization and the standup of the U.S. Space Force.

Under Secretary of Defense for Acquisition and Sustainment Duffey is a graduate of the University of Wisconsin.



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# SIGNATURE EVENT

TUESDAY, 2 DECEMBER • 1030 - 1200 • HYATT WINDERMERE BALLROOM

## SENIOR LEADER PANEL

ALIGNING TRAINING, READINESS, AND ACQUISITION FOR OPERATIONAL DOMINANCE

### MODERATOR

#### VICE ADMIRAL SEAN BUCK, USN (RET.)

President, National Training and Simulation Association (NTSA)



VADM BUCK, USN (RET.)



VADM GAUCHER, USN



MAJ GEN CROPSEY, USAF



MAJ GEN SMITH, USSF

### PANELISTS

#### VICE ADMIRAL ROBERT M. GAUCHER, USN

Commander, Naval Submarine Forces; Commander, Submarine Force, U.S. Atlantic Fleet; Commander, Allied Submarine Command

#### MAJOR GENERAL LUKE C. G. CROPSEY, USAF

Program Executive Officer for Command, Control, Communications and Battle Management, Assistant Secretary of the Air Force for Acquisition, Technology and Logistics, Headquarters U.S. Air Force

#### MAJOR GENERAL JAMES E. SMITH, USSF

Commander, Space Training and Readiness Command

#### BRIGADIER GENERAL MATTHEW W. TRACY, USMC

Commanding General, Education Command & President, Marine Corps University

(STANDING IN FOR LTGEN WATSON)

#### BRIGADIER GENERAL CHRISTINE A. BEELER, USA

Capabilities Program Executive (CPE) STRI

#### BRIGADIER DAMIAN HILL

Director, General Joint Collective Training Branch (J7), Joint Operations Command, Australia



BGEN TRACY, USMC



BG BEELER, USA



BRIG HILL (AUS)

Global defense forces are navigating an era of constrained budgets, rapidly evolving threats, and unrelenting technological disruption. Militaries must sustain readiness across the full spectrum of operations—from humanitarian assistance and disaster relief to the escalating demands of near-peer competition. At the same time, emerging technologies, digital transformation, and persistent cyber risk are reshaping both opportunity and vulnerability for every nation.

Within the Department, leaders are advancing a more agile, responsive approach to delivering capability, one that aligns requirements, training, technology development more closely with the realities of modern conflict. This year's I/ITSEC Senior Leader Panel will explore how that transformation is influencing the future of training, readiness, deterrence, and force development across all Services.

Senior representatives from the U.S. Army, Navy, Air Force, Marine Corps, Space Force, the Office of the Secretary of Defense, and key international allies will examine how synthetic environments, integrated data ecosystems, and emerging technologies, from AI and digital twins to advanced LVC training, are driving modernization and accelerating warfighter readiness. The discussion may also explore how more responsive and flexible acquisition pathways are enabling Services to keep pace with rapid technological change.

Following opening perspectives, the panel will move into an interactive dialogue shaped by questions from VADM Sean Buck, USN (Ret), live audience, and advance submissions, providing a candid, senior-level view of how the Services are adapting to the demands of today's and tomorrow's operating environment. This is more than a panel; it is a direct window into the strategies and priorities shaping the future force. A rare opportunity to hear from national and international leaders on how technological innovation, integrated training, and joint readiness initiatives are ensuring the United States and its allies remain prepared to fight and win—anytime, anywhere.



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TUESDAY, 2 DECEMBER • 1400 - 1530 • ROOM 330CDGH

## CONVERSATION ON TRAINING WITH DAF LEADERS

### MODERATOR

#### **WILLIAM D. DRIES, JR., SES**

Principal Deputy Director,  
Headquarters Air Force Studies  
& Analysis, Office of the  
Secretary of the Air Force



MR. DRIES, JR., SES



LT GEN TABOR, USAF



LT GEN QUINN, USAF

### PANELISTS

#### **LIEUTENANT GENERAL DAVID H. TABOR, USAF**

Deputy Chief of Staff of Plans  
and Programs, Headquarters  
U.S. Air Force

#### **LIEUTENANT GENERAL CLARK J. QUINN, USAF**

Commander, AETC

#### **BRIGADIER GENERAL MATTHEW S. CANTORE, USSF**

Deputy Commander, STARCOSM



BRIG GEN CANTORE, USSF



MR. LAWHEAD, SES

#### **THOMAS J. LAWHEAD, SES**

Director, Operational Capability  
Requirements, Deputy  
Chief of Staff for Strategy,  
Integration and Requirements,  
Headquarters U.S. Air Force

At an inflection point, the need for a highly trained and lethal Department of the Air Force has never been greater. This panel convenes Air Force and Space Force leaders from acquisition, research & technology, and mission readiness to explore how training, simulation and education is evolving into a critical force multiplier. Attendees will gain insight into:

- How the DAF is preparing Airmen and Guardians to prevail in complex, data-driven battlespaces.
- Maximizing efficiencies through M&S to accelerate training timelines, optimize resource allocation, and deliver more capable forces faster.
- The Air Force's vision for next-generation M&S and how industry partners can help.



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# SIGNATURE EVENT

TUESDAY, 2 DECEMBER • 1600 - 1730 • ROOM 330CDGH

## BREAKING THROUGH BARRIERS

ALIGNING AIR FORCE M&S RESEARCH, ACQUISITION, AND OPERATIONS

### MODERATOR

#### BRIGADIER GENERAL GUY WALSH, USAF (RET.)

Executive Vice President and Chief Operating Officer, National Defense Industrial Association (NDIA)



BRIG GEN WALSH, USAF (RET.)



MR. D'ANGELO, SES



MS. GENTRY, SES

### PANELISTS

#### DENNIS L. D'ANGELO, SES

Executive Director, AFLCMC

#### AMANDA GENTRY, SES

Director, Air Force Materiel Command Integrated Development Office

#### RODNEY STEVENS, SES

Program Executive Officer, PEO Training



MR. STEVENS, SES



DR. SHARMA

#### GAURAV SHARMA, SES, PH.D.

Chief Scientist, 711th Human Performance Wing, AFRL

In the rapidly evolving digital battlespace, the speed at which we can transition innovative Modeling and Simulation (M&S) solutions from industry concepts to operational capabilities is critical for the Air Force's continued dominance. This panel discussion dives into the challenges and opportunities in bringing cutting-edge M&S technologies from industry R&D to the hands of our Warfighters.

- Hear directly from Air Force leadership in R&D and acquisition on their strategies for accelerating M&S technology transition.
- Discover how AFRL, AFLCMC, and the Chief of Modeling and Simulation Office are working together to streamline processes, foster communication, and leverage emerging technology.



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WEDNESDAY, 3 DECEMBER • 0830 - 1000 • ROOM 330AB

## MARINE CORPS GENERAL OFFICER PANEL

### MODERATOR

**COLONEL WYNNDEE M. YOUNG, USMC**

Program Manager, Program Manager Training Systems, MARCORSYSCOM

### PANELISTS

**BRIGADIER GENERAL TAMARA L. CAMPBELL, USMC**

Commander, MARCORSYSCOM

**BRIGADIER GENERAL MICHAEL A. BROOKS, USMC**

Commanding General, Training Command

**BRIGADIER GENERAL MATTHEW W. TRACY, USMC**

Commanding General, Education Command & President, Marine Corps University



COL YOUNG, USMC



BGEN CAMPBELL, USMC



BGEN BROOKS, USMC



BGEN TRACY, USMC

This panel of Marine Corps General Officer will address the critical imperative of optimizing training to maintain operational dominance in a rapidly evolving threat environment. Discussions will center on innovative approaches to training methodologies, leveraging technology, and adapting curricula to meet future warfighting demands. Key topics include integrating live, virtual, and constructive training; fostering critical thinking and adaptability; and building resilient, lethal, and highly skilled Marines. The panel will explore how to best prepare Marines for the challenges of multi-domain operations and ensure continued superiority on the battlefield.



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# SIGNATURE EVENT

WEDNESDAY, 3 DECEMBER • 1030 - 1200 • ROOM 310AB

## NAVY FLAG OFFICER PANEL

### MODERATOR

#### VICE ADMIRAL SEAN BUCK, USN (RET.)

President, National Training and Simulation Association (NTSA)

### PANELISTS

#### VICE ADMIRAL ROBERT M. GAUCHER, USN

Commander, Naval Submarine Forces; Commander, Submarine Force, U.S. Atlantic Fleet; Commander, Allied Submarine Command

#### REAR ADMIRAL ANTHONY CARULLO, USN

Director, Warfighting Development

#### REAR ADMIRAL TODD EVANS, USN

Commander, NAWCAD



VADM BUCK, USN (RET.)



VADM GAUCHER, USN



RADM CARULLO, USN



RDML EVANS, USN

This event gathers Navy Flag Officers to discuss challenges in acquisition, research & technology, and mission readiness as we work to deter and engage long-term competition. A central theme will be the role of the modeling and simulation community in developing cutting-edge solutions that enhance our warfighting capabilities and ensure we remain postured to deter aggression and win the fight, when needed. Discover how the Navy will achieve this, while maintain a viable plan for funding and acquiring these capabilities.



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# SIGNATURE EVENT

WEDNESDAY, 3 DECEMBER • 1030 - 1200 • ROOM 330CDGH

## CUTTING EDGE INNOVATION – RAPIDLY ADVANCING M&S TO SUPPORT JOINT ALL-DOMAIN TRAINING

THE JOINT STAFF ACCELERATES JOINT FORCE WARFIGHTING READINESS, INCREASES LETHALITY, AND STRENGTHENS DETERRENCE GLOBALLY – M&S MUST KEEP PACE

### MODERATOR

#### MICHAEL CHANEY

Senior Advisor, Joint Staff J7

### PANELISTS

#### BRIGADIER GENERAL

#### RICHARD GOODMAN, USAF

Director, Joint Training and Exercises (J7), USINDOPACOM



MR. CHANEY



BRIG GEN GOODMAN, USAF



BG HILL, AUS



COL RUSTAD, USA

#### BRIGADIER GENERAL

#### DAMIAN HILL

Director, General Joint Collective Training Branch (J7), Joint Operations Command, Australia

#### COLONEL TIMOTHY D.

#### RUSTAD, USA

Division Chief, Joint Technology and Simulation Division, Joint Staff J7, Deputy Directorate Joint Training and Exercises

Overview: The Joint Force must be ready to conduct globally integrated, cross-functional, multi-domain operations as required by the Global Posture of the U.S. and Allies. Cutting edge innovation will support Joint Force warfighting readiness, increase lethality, and strengthen deterrence globally – M&S training capabilities must keep pace. DoD established Elite Constellation (EC) in 2024 as a multi-year campaign of events that increases the ability of the Joint Force to conduct globally integrated, cross-functional, multi-domain operations as envisioned in the Joint Warfighting Concept. EC accelerates Joint Force warfighting readiness, increases lethality, and strengthens deterrence globally – M&S must keep pace.



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# SIGNATURE EVENT

WEDNESDAY, 3 DECEMBER • 1530 - 1700 • ROOM 330CDGH

## JOINT DEVELOPMENT, EDUCATION, AND TRAINING PANEL

### TRAINING COMMANDS' PERSPECTIVES

#### MODERATOR

**WENDY WALSH, SES, ED.D.**

Chief Learning Officer, AETC



DR. WALSH



LT GEN QUINN, USAF



MAJ GEN SMITH, USSF

#### PANELISTS

**LIEUTENANT GENERAL**

**CLARK J. QUINN, USAF**

Commander, AETC

**MAJOR GENERAL JAMES E.**

**SMITH, USSF**

Commander, STARCOTM

**BRIGADIER GENERAL**

**MATTHEW W. TRACY, USMC**

Commanding General,  
Education Command &  
President, Marine Corps  
University



BGEN TRACY, USMC



CAPT STOCKTON, USN

**CAPTAIN ROBERT T.**  
**STOCKTON, USN**

NETC N5/N7

In today's dynamic and global landscape, achieving and maintaining operational dominance requires seamless Joint operations and a highly trained, ready force. This panel will delve into the critical elements of effective Joint military training and education from the perspective of experienced training commanders. This session offers an opportunity for attendees to gain firsthand knowledge from commanders at the forefront of military training, understand their priorities, and engage in a dynamic discussion about the future of Joint military education and its vital role in securing operational dominance.



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## CERTIFIED M&S PROFESSIONAL 3.0

THE DISTINCTION OF A TRUE M&S PROFESSIONAL

### MODERATOR

**IVAR OSWALT, PH.D., CMSP**

Team Lead, MS&A, The MIL Corporation

### PANELISTS

**RANDY ALLEN, PH.D., CMSP**

Chief Scientist, Lone Star

**JEFF ERICKSON, CMSP**

Senior Program Integrator, Trideum Corporation

**MARTIN GOODWIN, PH.D., CMSP**

Chief Scientist, Simulation Systems, Ellison Keller

**PAUL KELLEY-JONES, CMSP**

Lead Simulation Engineer, SE Rolls-Royce

**DENISE NICHOLSON, PH.D., CMSP**

Chief Operating Officer, Accelint - Accelerating Intelligence

**GEORGE STONE III, PH.D., CMSP**

Program Manager, QinetiQ US



CERTIFIED MODELING AND SIMULATION PROFESSIONAL



DR. OSWALT, CMSP



DR. ALLEN, CMSP



MR. ERICKSON, CMSP



DR. GOODWIN, CMSP



MR. KELLEY-JONES, CMSP



DR. NICHOLSON, CMSP



DR. STONE III, CMSP

CMSP is the only encompassing M&S professional certification. It provides differentiation, community awareness, specialized networks, and membership benefits. Its reinvention was unveiled in 2021 with CMSP 3.0. This version streamlines the processes, updates the examination, employs a Learning Management System, and is a part of creating a vibrant community of practice! All M&S practitioners seeking to enhance their credentials and to add a level of distinction to their qualifications – from Intern, Apprentice, Practitioner, and Master Levels – will find this Focus Event informative and valuable. Attendees to this event will learn the motivators behind starting CMSP, its evolution, and future plans. Then, currently certified professionals within the corporate community, will describe why they became certified, how it has impacted their careers, and why others in industry should attain this valuable designation.



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# FOCUS EVENT

MONDAY, 1 DECEMBER • 1600 - 1730 • ROOM 330EF

## 2025 I/ITSEC FELLOWS PRESENTATION

BEING ELECTED A FELLOW IS THE HIGHEST HONOR BESTOWED BY THE NTSA ON BEHALF OF THE WORLD-WIDE MS&T COMMUNITY



### MODERATOR

#### BRIAN HOLMES

President and Managing Partner, InnoVāxion Business Consulting, LLC; Chair, I/ITSEC Fellows Committee

### 2025 I/ITSEC FELLOW

#### ROBERT SOTTILARE, PH.D.

Vice President, Training & Simulation Solutions, Soar Technology, LLC – An Accelint Company



### THE I/ITSEC 2025 FELLOW

I/ITSEC is proud to announce Dr. Robert “Bob” Sottolare as the 2025 I/ITSEC Fellow. This prestigious recognition is a testament to Dr. Sottolare’s outstanding research and development contributions to distributed simulation, behavior modeling, and intelligent training and education solutions which span over four decades in government, industry, and academic roles. His work has directly impacted the quality and efficiency of Warfighter training and has been widely published in over 300 technical papers garnering nearly 3,500 citations. Dr. Sottolare is currently serving as Vice President of Training & Simulation Solutions at Soar Technology, an Accelint Company. He has served both Navy and Army simulation and training organizations over the course of a 35-year civilian career. His contributions to the MS&T community includes an impressive list of “firsts” with roles like Founding Director of the Army’s Simulation & Training Technology Center (STTC), Founding Chairman of the Board and Executive Director of the IEEE Adaptive Instructional Systems (AIS) Consortium, Founding Chair of the IEEE AIS Standards Working Group, Founding Chair of the AIS Conference, and father of the Generalized Intelligent Framework for Tutoring (GIFT), an adaptive training software architecture.

Dr. Sottolare is a senior IEEE member and has also served in many other leadership roles that include Chair of the Army’s Distributed Simulation Working Group, the IEEE Field Instrumentation Working Group, Technical Cooperation Program’s Training Technology Panel, Program Chair for the International Defense & Homeland Security Workshop, Chair and member of several NATO Research Task Groups, and member of the DIS Executive Committee. His contributions to I/ITSEC include his current role as Deputy Chair for the Professional Development Workshops and his work on committees, special events, panels, demonstrations, and STEM activities over many years. In addition to his mentorship, Dr. Sottolare has also volunteered his time to support the chair for the University of Central Florida’s Executive Advisory Board for the M&S Graduate Program and as a member of Florida Poly’s Curriculum Advisory Board. He has been honored with two lifetime awards for excellence in modeling & simulation from both the U.S. Army (inaugural recipient 2012) and the NTSA Governor’s Award for Lifetime Achievement in M&S. He is also the recipient of the U.S. Army Meritorious Civilian Service Award for Research Excellence (2018) and many other awards. Dr. Sottolare also holds a U.S. patent (7,525,735) for a high-resolution head mounted display (2009) for application in embedded training. He lists his most important honors as his roles as a husband, father of two, and grandfather of four.

### WHAT YOU WILL LEARN FROM THE I/ITSEC 2025 FELLOW

Dr. Sottolare’s career exemplifies the value of pioneering innovation, where bold ideas and first-of-their-kind initiatives have transformed the landscape of training and simulation. From developing AIS solutions like GIFT to launching organizations and standards that guide the field today, his work demonstrates how integrating research, practice, and policy creates enduring frameworks that improve readiness and learning outcomes and help shape the future. A collaborator by nature, he has ensured that scientific advances translate into operational solutions with real-world impact. Equally defining has been his sustained leadership and commitment to advancing human performance through technology. Across DoD, NATO, IEEE, I/ITSEC, and academic advisory roles, Dr. Sottolare has not only shaped global standards and professional practices but also dedicated himself to mentorship, professional development, and STEM outreach. His career illustrates that the true measure of achievement lies not only in innovation but also in the ability to inspire, guide, and prepare future generations. Attendees of this session will learn how to harness vision, collaboration, and service to leave a lasting impact on both their field and the people within it.



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## A JOINT SERVICE M&S CERTIFICATE FOR LEARNING PROFESSIONAL

### MODERATOR

#### WENDY WALSH, SES, ED.D.

Chief Learning Officer, AETC



DR. WALSH, SES



DR. SINCLAIR, SES



DR. ALLISON

### PANELISTS

#### JENNIFER SINCLAIR, SES, PH.D.

Deputy Commander, Force  
Readiness Command  
(FORCECOM); Chief Learning  
Officer, U.S. Coast Guard

#### MEGAN ALLISON, PH.D.

Director, Strategic Initiatives &  
Faculty Advancement (A7)

#### BENJAMIN GOLDBERG, PH.D.

Senior Scientist, U.S. Army  
DEVCOM SC



DR. GOLDBERG



MR. VIRAMONTES



MR. McDOWELL

#### HECTOR VIRAMONTES

Project Tripoli Technical Lead,  
Training & Education Command

#### PERRY McDOWELL

Faculty Associate, Naval  
Postgraduate School

Modeling and simulation (M&S) technologies offer transformative potential for learning, creating immersive experiences that mirror real-world scenarios, adjusting to learner preferences and targeting specific competency acquisition. Yet, despite the promise of M&S to accelerate competency-based learning, its full potential remains untapped. This panel will discuss successes and challenges related to technology exposure, acquisition, effectively measuring learning, and faculty development to contribute to support the successful utilization of M&S in military force development settings. Specifically, we will discuss the idea of M&S Certificate program for learning professions.



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# FOCUS EVENT

TUESDAY, 2 DECEMBER • 1400 - 1530 • ROOM 310CD

## THE FUTURE OF HEALTHCARE SIMULATION

BUILDING THE FUTURE WE NEED

### MODERATOR

#### BOB ARMSTRONG

Executive Director, Sentara Center for Healthcare Simulation and Immersive Learning, Macon & Joan Brock Virginia Health Sciences, Old Dominion University



MR. ARMSTRONG



DR. OKUDA



MS. MANOS



DR. PHRAMPUS

### PANELISTS

#### HARU OKUDA, M.D.

Associate Vice President, Office of Interprofessional Education and Practice, University of South Florida

Prior to the 2025 International Meeting on Simulation in Healthcare (IMSH), the Society for Simulation in Healthcare (SSH) held a Forum titled "Healthcare Simulation 2050: Building a Better Future Together." The Forum brought together 200 simulation stakeholders from academia, clinics, and academia to brainstorm on the capabilities they felt they would need in the next 25 years.

#### JENNIFER MANOS

Executive Director, Society for Simulation in Healthcare

This Special Event provides an overview of the findings from this Forum, presented by several breakout group leads, with data informed through analysis of the collected data.

#### PAUL PHRAMPUS, M.D.

Director, Peter M. Winter Institute for Simulation, Education, and Research (WISER), University of Pittsburgh





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TUESDAY, 2 DECEMBER • 1600 - 1730 • ROOM 310CD

## EVOLUTION OF MILITARY HEALTHCARE TRAINING – SENIOR LEADER PERSPECTIVES

ADDRESSING OPERATIONAL MEDICAL CHALLENGES WITH SIMULATION AND TRAINING

### MODERATOR

**MATTHEW HACKETT, PH.D.**

S&T Manager, U.S. Army  
DEVCOM SC



DR. HACKETT



COL KWON, USA



COL JACOBSON, USA

### PANELISTS

**COLONEL PAUL KWON, USA**

DHA Education and Training

**COLONEL ERIC JACOBSON,  
USA**

Medical Center of Excellence,  
Directorate of Simulation

**COLONEL JEREMY PAMPLIN,  
USA (RET.)**

Program Manager, DARPA  
Biological Technologies Office



COL PAMPLIN, USA (RET.)



DR. PETTITT

**BETH PETTITT, PH.D.**

Branch Chief, U.S. Army  
DEVCOM SC

The Military Healthcare System (MHS) supports the Warfighter, from the battlefield to the bedside. The MHS is evolving to address the shifting operational environment, including those related to large scale combat operations. This panel includes senior leaders from across the MHS. The panel will highlight the current landscape and challenges within military healthcare, as well as the role that training and simulation plays in addressing issues and upskilling providers. This panel will be suitable for all I/ITSEC attendees interested in learning more about the military healthcare system and the ongoing evolution of training healthcare providers. Attendees can expect to learn:

1. Current challenges facing the MHS
2. Initiatives to modernize military healthcare training
3. Future research areas critical to advancing and developing a ready medical force



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TUESDAY, 2 DECEMBER • 1600 - 1730 • ROOM 310AB

## JOINT SENIOR ENLISTED PANEL

### MODERATOR

**CHIEF MASTER SERGEANT  
KARMANN-MONIQUE POGUE,  
USSF**

Command Senior Enlisted  
Leader, STARCOM



CMSGT POGUE, USSF



SGM HOUSTON, USA



CMSGT RAINEY-FLUELLEN, USAF

### PANELISTS

**SERGEANT MAJOR CHARLES  
HOUSTON, USA**

Senior Enlisted Advisor, U.S.  
Army PEO STRI

**CHIEF MASTER SERGEANT  
CHLOE L. RAINEY-FLUELLEN,  
USAF**

Senior Enlisted Leader,  
AETC



MSGT BASAN, USMC



SMSGT CREGER, USSF



MCPO ELLIS, USN

**MASTER SERGEANT DANIEL  
BASAN, USMC**

START Program Manager,  
NAWCTSD

**SENIOR MASTER SERGEANT  
JUSTIN M. CREGER, USSF**

Senior Enlisted Leader, SYD 81,  
Space Systems Command

**MASTER CHIEF PETTY  
OFFICER MONTE ELLIS, USN**

Senior Enlisted Adviser, Aviation  
Warfare Training Products  
Branch, NAWCTSD

This Panel will convene Senior Enlisted Representatives from the Joint Force. Discussion will focus on Joint training priorities, leadership roles in strengthening training culture, and practical partnership approaches that measurably improve Readiness. Time will be allocated for audience Question and Answer (Q&A).

**Key Takeaways:** Joint Readiness Priorities: Enlisted perspectives on what "ready" looks like, clear expectations for training outcomes, repetition, and mission focus that translate to the unit level.

**Enlisted Leadership Imperatives:** How SELs shape training culture, accountability, and force development; reinforcing standards, discipline, and proficiency across formations. Partnership and Delivery: Practical partnership approaches that can improve readiness.

**Recommended Participants:** Senior Enlisted Leaders (E-7 through E-9), Command Chiefs/Sergeants Major, and Unit Training Superintendents Commanders, Operations/Training Officers, and professionals responsible for Unit-Level Readiness Government Civilians and Mission Partners supporting training integration and range operations Acquisition/Program Managers, Requirements Leads, and Engineers shaping training system capabilities Allied and Partner Nation Delegations engaged in joint/combined training Industry Executives and Technical Leads



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WEDNESDAY, 3 DECEMBER • 0830 - 1000 • ROOM 310AB

## USSF O-6 TRAINING & OPERATIONS PANEL

### MODERATOR

#### COLONEL COREY J. KLOPSTEIN, USSF

Program Executive Officer, OTTI, Space Systems Command

### PANELISTS

#### COLONEL JEREMEY COTTON, USSF

Director, Training & Force Development, Combat Forces Command

#### COLONEL AGUSTIN CARRERO, USSF

Commander of Space Delta 11, STARCOM

#### COLONEL MAXWELL FULDAUER, USSF

Chief, STARCOM Combat Credibility Division (S3C)

#### COLONEL JOSEPH POMAGER, USSF

Deputy Commander, Mission Delta 6, Combat Forces Command



COL KLOPSTEIN, USSF



COL COTTON, USSF



COL CARRERO



COL FULDAUER, USSF



COL POMAGER, USSF

This Panel convenes U.S. Space Force (USSF) Commanders to provide the Operators' Perspective on current and emerging operational demands, training readiness, and mission execution across the Space Enterprise. Panel composition includes the Space Training and Readiness Command (STARCOM) Delta 10 and Delta 11 Commanders and two Space Operations Command (SpOC) Mission Delta (MD) leaders. Discussion will center on operational risk, readiness, and the decision-quality information Commanders require from training, testing, and acquisition partners to deliver combat-credible effects.

**Key Takeaways:** Commander Priorities for Readiness: Clear, mission-focused expectations for training outcomes, exercises, and wargames that translate directly to Unit-Level proficiency and operational availability.

**Recommended Participants:** O-5/O-6 Command Teams, Senior Enlisted Leaders, and Unit/Delta Operations and Training Leadership. Requirements, Training, and Acquisition Professionals. Government Civilians and Mission Partners supporting ranges, M&S/LVC integration, and mission readiness. Industry Executives and Technical Leads seeking Commander-level guidance on operational value, transition, and sustainment.



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# FOCUS EVENT

WEDNESDAY, 3 DECEMBER • 1330 - 1500 • ROOM 310CD

## TRAINING & READINESS ACCELERATOR II (TReX II)

### MODERATOR

#### JOHN McCABE

Supervisory Contracting and Agreements Officer



MR. McCABE



BG MALONE, (RET.)



MR. KERSEY

### PANELISTS

#### BRIGADIER GENERAL VINCE MALONE, (RET.)

Executive Director, TReX II

#### JEFF KERSEY

Program Manager, Advanced Technology International

#### MONICA ESCALANTE

Agreements Officer, Army Contracting Command-Orlando



MS. ESCALANTE



MR. McLAUGHLIN



DR. BENNETT

#### GENE McLAUGHLIN

Business Segment Director - Live Training Systems, General Dynamics Mission Systems

#### GISELE BENNETT, PH.D.

Research Engineer, MEPSS LLC

Inform how federal government agencies can launch technology advancing prototype projects utilizing the TReX II other transaction authority contracting mechanism. Inform how industry partners can participate in the TReX II consortium and compete for technology advancing opportunities to benefit military programs. Scope for TReX II includes modeling, simulation, education and training, experimental validation, readiness, and information operations.

This event provides government and industry partners an opportunity to engage with the TReX II team to learn the intricacies of the program – the processes, the speed and agility to get on contract within weeks, as well as the toolsets available.



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WEDNESDAY, 3 DECEMBER • 1530 - 1700 • ROOM 310CD

## AF MAJCOM PANEL

### MODERATOR

#### BRETT TELFORD

Deputy Director, AFAMS



MR. TELFORD



COL KEITH, USAF



COL GARNER, USAF

### PANELISTS

#### COLONEL ADAM KEITH, USAF

Chief, Flight Operations Division,  
Air Combat Command, A3T

#### COLONEL SHANE GARNER, USAF

Chief, Test and Training Division,  
Air Combat Command

#### LIEUTENANT COLONEL DAVID K. OPERCHAL, USAF

Deputy Division Chief,  
Training, Test, and Stan/Eval,  
Headquarters Air Force Global  
Strike Command



LT COL OPERCHAL, USAF



MR. JERNIGAN



MR. MILLER

#### MARK JERNIGAN

Chief, Aircrew Tactics & Training  
Division, Headquarters Air  
Mobility Command

#### JASON MILLER

AFSOC Training Systems Branch  
Chief, HQ AFSOC A3/A3TS

This panel assembles senior leaders from across multiple Major Commands (MAJCOMs) to delve into the critical challenge of optimizing training to ensure Air Force operational dominance in an increasingly complex and contested global landscape. Recognizing that readiness starts with training, these leaders will provide insights into their respective commands' unique needs and share their vision for leveraging cutting-edge technologies and innovative training methodologies to build a more lethal, agile, and resilient force.



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# FOCUS EVENT

THURSDAY, 4 DECEMBER • 0830 - 1000 • ROOM 330CDGH

## PUSH & PULL: SCIENCE & TECHNOLOGY FOR FUTURE TRAINING ENVIRONMENTS

### MODERATOR

#### JIM GUMP, PH.D.

Senior Technical Advisor,  
 Modeling Simulation and  
 Analysis, AFRL and CMSO

### PANELISTS

#### GLENN GUNZELMANN, PH.D.

Warfighter Interactions and  
 Readiness M&S Lead, AFRL

#### STEPHEN McGEE

Research Scientist, AFRL

#### JEROME RAY II

Senior Program Manager, AFSIM  
 Model Management Office,  
 AFRL



DR. GUMP



DR. GUNZELMANN



MR. MCGEE



MR. RAY

This panel emphasizes science and technology efforts at the Air Force Research Laboratory that contribute to Modeling & Simulation capabilities in support of training across the Department of the Air Force. The panel members are leading research efforts at different levels of technology maturity. They will discuss how AFRL is responding to demand signals in this research area and discuss current partnerships and opportunities for collaboration and engagement with other government organizations and industry partners. Specific topics will include the Modeling & Simulation Integration Lab (MSIL), AFSIM, and research portfolios at the 6.2 and 6.3 levels.



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THURSDAY, 4 DECEMBER • 1030 - 1200 • ROOM 330AB

## JOINT ALL-DOMAIN NON-KINETIC TRAINING - CONNECTING LIVE, VIRTUAL AND CONSTRUCTIVE ENVIRONMENTS & RANGES

CREATING A REALISTIC AND EFFECTIVE TRAINING ENVIRONMENT

### MODERATOR

#### LIEUTENANT COLONEL PAUL KUNNAS, USA

Modernization Integration and  
Technology Transition (MITT)  
Team Chief, Joint Technology  
and Simulation Division (JTSD)  
Joint Staff J-7



LTC KUNNAS, USA



COL GRAHAM, USAF



MR. KETER



DR. STRIDIRON III

### PANELISTS

#### COLONEL ANTHONY C. GRAHAM, USAF (INVITED)

Commander, AFAMS

#### RON KETER

Program Manager, J7, Joint  
Staff, Joint Live Virtual  
Constructive Modernization

#### ANDRE STRIDIRON III, ED.D.

Program Manager, INDOPACOM,  
Pacific Multi-Domain Training  
and Experimentation Capability

The panel will discuss Joint Range Network objectives; identify non-kinetic trends i.e. sUAS, best practices, and inform COAs for Non-Kinetic Training Integration and Capability Development: Space Cyber EMS Autonomous Systems.



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# FOCUS EVENT

THURSDAY, 4 DECEMBER • 1030 - 1200 • ROOM 310AB

## BLACK SWAN – THE FOUR HORSEMEN OF AI

WHEN DIME FACES ITS FINAL BATTLE

### MODERATOR

**RAY COMPTON**

Fellow, LMI

### PANELISTS

**SUSMIT JHA, PH.D.**

Program Manager, DARPA  
 Information Innovation Office

**CHANDRA DONELSON**

CDAO & Director of Data  
 Artificial Intelligence and  
 Software, U.S. Space Force

**DAVID METCALF, PH.D.**

Director, Mixed Emerging  
 Technology Integration Lab  
 (METIL), UCF Institute for  
 Simulation and Training



MR. COMPTON



DR. JHA



MS. DONELSON



DR. METCALF

What happens when AI simultaneously disrupts the Diplomatic, Informational, Military, and Economic (DIME) domains? This Black Swan event explores AI convergence across DIME, using modeling/simulation to train leaders when traditional systems fail. Picture algorithmic agents conducting diplomacy in microseconds while autonomous systems bypass human oversight entirely. The machines are rewriting the rules of power faster than we can adapt. When human decision-making becomes obsolete, how do we maintain control? The disruption isn't coming—it's here, embedded, and accelerating. For defense strategists and security professionals facing an uncertain future.



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MOBILE APP

# FOCUS EVENT

MONDAY - THURSDAY, 1 - 4 DECEMBER • EXHIBIT HALL, BOOTH 2285

## SERIOUS GAMES SHOWCASE & CHALLENGE

VISIT BOOTH 2285 TO EXPERIENCE BEST IN CLASS SERIOUS LEARNING GAMES!

### SGS&C DIRECTOR

#### JENN McNAMARA

Vice President, Strategic  
Partners and Products,  
BreakAway Games

### COMMITTEE LEADERSHIP

SGS&C INDUSTRY CHAIR

#### CLIFTON GARNER

SIMETRI

SGS&C GOVERNMENT LEAD

#### EUGENE PURSEL

USAF, STRATCOM JWAC



In Booth 2285, the Serious Games Showcase and Challenge (SGS&C) provides a casual and interactive showcase of exemplar learning games from businesses, students, and government organizations competing for awards recognizing their achievements.

Visit the booth anytime the Exhibit Hall is open to experience exciting PC, XR, and mobile learning games, meet the developers and our organizing committee members, and engage in conversations about applying serious games in your work. Use the ballot in your badge to cast your vote for the People's Choice Award by 1800 Wednesday, December 3rd.

### 2025 SGS&C FINALISTS

#### General Audience Games

- Becoming Fei by the Institute for Creative Technologies, USC
- Bin It Right! By students at IIT Kharagpur
- Conclave of Chaos by Pandamancer Games
- Cyber H20 by Virginia Digital Maritime Center
- Forensics V.I.U. by students at Utah Valley University (UVU)
- Graph Navigation by students at IIT Kharagpur
- Influent by Three Flip Studios, the 2025 SGSC Winner
- Life As A by students at National University of Singapore
- R-ECOMECH by students at FIEA and UF
- Speak Your Heart by students at Carnegie Mellon University
- Tune by Kaliens Kollektive
- Venture Valley Business Tycoon by Singleton Foundation
- Wayfinder by Benjamin Rush Independent

- Wildfire Resilience Minigame Collection by students at University of California Santa Cruz
- Year of The Cicadas by Yale School of Medicine

#### Government Audience Games

- Battleline: Taiwan Defense by Gronstedt Group
- Dragonfly 2 by Army Game Studio for Defense Acquisition University
- FutureView Accelerated Learning in an Ill-defined Military Setting by ACSILabs, Inc.
- MilExTS: Tactical Trauma Trainer by Exonicus, Inc.
- Sector Down by students at Rochester Institute of Technology
- Serve to Lead by British Army
- Surface Warfare Officer Reactive Decision Simulator (SWORDS) by students at Embry-Riddle Aeronautical University
- VHA Sexual Harassment Prevention Virtual Reality (VR) Training by Customer Value Partners (CVP) and ECS



MS. McNAMARA



MR. GARNER



MR. PURSEL



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# COMMUNITY OF INTEREST

TUESDAY, 2 DECEMBER • 1600 - 1730 • ROOM 330AB

## DIGITAL ENVIRONMENTS SUPPORTING DOD M&S, TRAINING, DIGITAL ENGINEERING

### MODERATOR

#### SEAN LITTON

Director, DAF Modeling and Simulation Execution Office



MR. LITTON



COL McCORMICK, USA



MR. BROWNING

### PANELISTS

#### COLONEL HEATH L. McCORMICK, USA

Military Director, U.S. Army AMSO

#### ANDREW BROWNING

Modeling and Simulation Technical Lead, DAF Modeling and Simulation Execution Office

#### DENNIS REED

Director, LIFT/IME, NAWCAD

#### NIKI GOERGER, PH.D.

Special Assistant to the Director for the Information Technology Laboratory, U.S. Army Engineer Research and Development Center (ERDC) and DoD HPCMP MS&A Initiative Lead



MR. REED



DR. GOERGER

This panel brings together leadership and experts from across the DoD acquisition, research, modeling & simulation, training, and infrastructure communities to discuss current capabilities, roadmap, and challenges associated with DoD Digital Environments. Discussions on current efforts to integrate environments and platforms across the DoD to provide users an available common platform to access tools, data, and compute.



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# COMMUNITY OF INTEREST

WEDNESDAY, 3 DECEMBER • 0830 - 1000 • ROOM 330EF

## ACQUISITION TRANSFORMATION: THE CONVERGENCE OF TEST & TRAINING

AT THE INTERSECTION OF TEST AND TRAINING WE ARE SEEING PREVIOUSLY  
UNTAPPED EFFICIENCIES AND GAINS FOR OPERATIONAL READINESS

### MODERATOR

#### WHITNEY WINCHESTER

Assistant Program Manager,  
PEOSTRI-CT2; Executing Agent,  
Directed Energy Test; Executing  
Agent, Electronic Warfare  
Test; Executing Agent, Nuclear  
Environments Test



MS. WINCHESTER



MR. TRUE



COL. JOHNES, USA

### PANELISTS

#### MICHAEL TRUE

Chief, Technology Strategy &  
Management, Innovation Cell,  
Operational Test Command,  
Army Test & Evaluation  
Command



MR. CLAYTON



LCDR KARNY, USN



MR. JARRY

#### COLONEL CHRISTOPHER C. JOHNES, USA

Director, National Simulation  
Center

#### ALLEN CLAYTON

Assistant Program Manager,  
Deputy/Electronic Warfare  
Acquisitions Lead,  
Naval Aviation Training  
Systems and Ranges Program  
Office PMA-205 Live Training  
Environment

#### LIEUTENANT COMMANDER MATT KARNY, USN

Ocean Systems Group Lead  
for In Water Systems, Ocean  
Systems Group | TRID IPTL,  
Naval Aviation Training Systems  
and Ranges Program Office  
(PMA-205) Live Training  
Environment

#### TONY JARRY

Test Chief, Advanced Test and  
Training Division, AFLMC

We do not often discuss the connection between the test and evaluation (T&E) and training communities. These are often looked at as two separate domains within the greater scheme of readiness. Over the last couple of years, there has been more discussion and acceptance that many T&E events, especially large-scale, operational test events, are also training events. These large test events such as the ones performed in the Indo-Pacific Command (INDOPACOM) region allow operators to test AND train like they fight. An example of the services bringing these two domains together is the Army Transformation Initiative (ATI). Where ATI is presenting unique requirements bringing training and testing together to provide data to enable fast-paced assessments. Drawing on their experiences and the emerging service requirements, this panel of experts will discuss how these once very separate and specific domains are converging allowing for hands-on, operational test and training, the role these services and locations play, and the capabilities that enable it. They will discuss how industry partnerships are key to continuing to advance the envelop and possibilities within these large-scale test and training exercises.



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# COMMUNITY OF INTEREST

WEDNESDAY, 3 DECEMBER • 0830 - 1000 • ROOM 310CD

## ARMY LIVE TRAINING – CURRENT & FUTURE

### MODERATOR

**MAJOR DANIEL P. SPIES, USA**

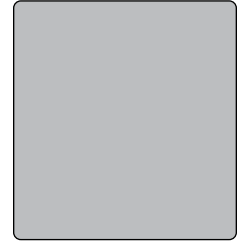
Assistant Program Manager,  
 U.S. Army PEO STRI



MAJ SPIES, USA



COL GUY, USA



MR. NICHOLS

### PANELISTS

**COLONEL JEREMY D. GUY, USA**

Chief Capability Development,  
 U.S. Army STE CFT

**GLENN T. NICHOLS**

Deputy Director, TRADOC  
 Proponent-Live (TPO-LIVE)

**JOHN T. McCABE**

Chief Contracting Officer,  
 Army Contracting Command –  
 Orlando



MR. McCABE



MS. BLEDSOE

**LIZ BLEDSOE**

Project Manager, Training  
 Devices (PM TRADE), U.S. Army  
 PEO STRI

The panel will explore how Army live training is evolving to meet tomorrow's challenges. Experts will share insights on emerging technologies, innovative training approaches, and strategies that align with modernization priorities. Attendees will engage directly with thought leaders, offering questions and perspectives that help shape the future of training. By fostering collaboration and dialogue, this session will illuminate the path forward, highlighting how the live training community can drive readiness and innovation across the Army.



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# COMMUNITY OF INTEREST

WEDNESDAY, 3 DECEMBER • 1330 - 1500 • ROOM 330AB

## HOW OPTIMIZING DIGITAL WARGAMING RESULTS INFLUENCE TRAINING & STRATEGIC INNOVATION FOR MILITARY SERVICE

### MODERATOR

#### RICARDO ESCOBAR

Chief Engineer, Next Generation Constructive, U.S. Army PEO STRI



MR. ESCOBAR



LTCOL BLACK, PH.D.,  
USMC



COL DAVID, USA



DR. COMPTON

### PANELISTS

#### LIEUTENANT COLONEL SCOTTY BLACK, PH.D, USMC

Senior Technical Research Analyst, Marine Corps Warfighting Laboratory

#### COLONEL ARNEL P. DAVID, USA

Director of the Strategic Initiatives Group, Supreme Headquarters Allied Powers Europe (SHAPE)

#### JON COMPTON, PH.D.

Chair, War Gaming Department, U.S. Naval War College

This session examines how various branches of the military are employing digital wargames as a strategic tool for fostering innovation and enhancing Warfighter readiness in the face of peer/near-peer competition. Attendees will gain insights into the specific methodologies, technologies utilized, and practical applications driving these initiatives, leading to a deeper understanding of how digital wargaming is shaping future operational capabilities. The panel will address the challenges and opportunities presented by integrating digital wargaming into existing training and development programs.



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# COMMUNITY OF INTEREST

WEDNESDAY, 3 DECEMBER • 1530 - 1700 • ROOM 310AB

## APPLICATION OF DATA SCIENCE IN NAVAL LVC TRAINING ENVIRONMENT FOR IMPROVED PERFORMANCE

DATA-DRIVEN LVC: TRAINING SMARTER. WINNING FASTER.

### MODERATOR

#### HEATHER PRIEST, PH.D.

Senior Scientific Technical Manager for LVC Training Solutions, NAWCTSD



DR. PRIEST



MS. PAGAN



MR. CHARLTON

### PANELISTS

#### JENNIFER PAGAN

LVC Strategic Planning Manager, ONR; Lead S&T Researcher, NAWCTSD

#### MICHAEL CHARLTON

Contract Tactics Instructor, EA-18G SME / Integrated Warfare Analyst, NAWDC

#### CHRISTIAN WINKLE

Senior Data Scientist, ASEC, Inc.



MR. WINKLE



MR. COOK

#### SCOTT COOK

Assistant Program Manager/E-2 SME, ASEC, Inc.

The objective of this Special Event Panel is to discuss the significant issues involving data that can benefit from the novel application of science and engineering, including automatic tagging, model development and validation, bandwidth restrictions, latency reduction, data interpretation, interoperability, and analysis. This panel will comprise participants possessing expertise in various facets within Live, Virtual, and Constructive (LVC) for training (LVCT), including Warfighter training instruction, interoperability, human performance and debrief, trend analysis, and test and evaluation (T&E). The panel moderator will provide an overview of LVCT goals and vision driven by the Naval Integrated Framework and U.S. Fleet Forces Command, and panelists will provide an overview of critical gaps upon which data science may be applied—and have significant impact upon—in their respective areas. Applications include a multidisciplinary approach including artificial intelligence (AI), machine learning, engineering, psychology, and data science.



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# COMMUNITY OF INTEREST

THURSDAY, 4 DECEMBER • 0830 - 1000 • ROOM 330AB

## COMMON SYNTHETIC ENVIRONMENT FOR NATO MULTI-DOMAIN OPERATIONS

AGILE DELIVERY OF SIMULATION CAPABILITIES FOR NATO MULTI-DOMAIN OPERATIONS.  
#GOSTANDARDS

### MODERATOR

#### WIM HUIKAMP

Chief Scientist Modelling & Simulation, TNO Defence Research (The Netherlands); Scientific Advisor, NATO M&S Group



MR. HUIKAMP



MR. SKINNER



DR. MORSE

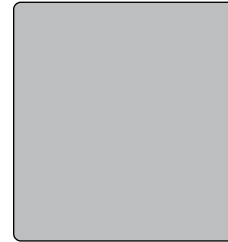
### PANELISTS

#### SIMON SKINNER

Product Policy Leader, Thales Training & Simulation (UK); Vice Chair, NATO M&S Group



MR. SMITH



LTC CUSHMAN

#### KATHERINE MORSE, PH.D.

Principal Research Engineer, Georgia Tech Research Institute (USA); SISO EXCOM Chair

#### MATT SMITH

Senior Analyst, Simulation, Training and Research Software Team, Defence Science and Technology Laboratory (UK)

#### LIEUTENANT COLONEL

#### GEORGE CUSHMAN

NATO ACT, Norfolk

Multi-Domain Operations (MDO) represents a pivotal shift in NATO's approach. At its core, MDO refers to the push for NATO to orchestrate military activities across all operating domains and environments. These actions are synchronized with non-military activities. The NATO Modelling and Simulation Group (NMSG) and its partner, the Simulation Interoperability Standards Organization (SISO), have invited representatives from R&D, industry and armed forces to discuss the vision on the use of M&S to address the challenges of MDO in a coalition context. The presenters will provide an overview of current simulation capabilities and ongoing standardization efforts.





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# PROGRAM BRIEF

WEDNESDAY, 3 DECEMBER • 0830 – 1000 • ROOM 330CDGH

## USAF PEO TRAINING: ACQUISITION UPDATE

### MODERATOR

**RODNEY STEVENS, SES**

Program Executive Officer, PEO Training

### PANELISTS

**COLONEL RICARDO JAIME, USAF**

Senior Materiel Leader, Advanced Training Capabilities Division

**COLONEL NICHOLAS FERANEC, USAF**

Senior Materiel Leader, Simulators Division

This panel provides an in-depth update on Program Executive Office Training's ongoing initiatives, industry opportunities and future vision for acquiring and delivering next-generation training systems to the Warfighter. Senior leaders and program managers will discuss key modernization efforts within the training acquisition portfolio.

Don't miss the update on JSE!

WEDNESDAY, 3 DECEMBER • 1030 – 1200 • ROOM 330AB

## PM TRASYS – ACQUISITION UPDATE

### MODERATOR

**LIEUTENANT COLONEL DAVID B. BAIN, USMC**

Deputy Program Manager, PM TRASYS, MARCORSYSCOM

### PANELISTS

**RACHAEL GERMANSKY**

Product Manager, Range Training Systems, PM TRASYS, MARCORSYSCOM

**ELIZABETH TYGART**

Product Manager, Synthetic Training Systems, PM TRASYS, MARCORSYSCOM

**ADAM EMANUEL**

Product Manager Warfighter Training Support, PM TRASYS, MARCORSYSCOM

This session will provide attendees with the latest information on the acquisition strategies and progress for our diverse range of training solutions. The presentation will cover key milestones achieved, upcoming opportunities, and insights into how our advanced simulation technologies are shaping the future of defense training. Attendees will gain a comprehensive understanding of our product roadmap and how we are meeting evolving customer needs across all domains.

WEDNESDAY, 3 DECEMBER • 1530 – 1700 • ROOM 330EF

## USSF OPERATIONAL TEST & TRAINING INFRASTRUCTURE ACQUISITION UPDATE

### MODERATOR

**COLONEL CRAIG J. HACKBARTH, USSF**

Director of Capability, OTTI, Space Systems Command

### PANELISTS

**LIEUTENANT COLONEL CURTIS BABBIE, USSF**

Physical Test & Training System Program Managers (SPM), SYD 81

**LIEUTENANT COLONEL KADE EWERT, USSF**

Infrastructure System Program Managers (SPM), SYD 81

**LIEUTENANT COLONEL JESSICA MAHONEY, USSF**

Readiness System Program Managers (SPM), SYD 81

**LIEUTENANT COLONEL SCOTT PEEPLES, USSF**

Digital Test & Training System Program Managers (SPM), SYD 81

This Panel delivers a U.S. Space Force (USSF) Operational Test and Training Infrastructure (OTTI) Acquisition Update from the System Program Managers (SPM) responsible for Infrastructure, Physical Test & Training, Readiness, and Digital Test & Training portfolios. Panelists will provide programmatic status on capability development, and integration, outline near-term decision points; and address risks, dependencies, and opportunities for Industry and Government partners.

**Key Takeaways:** Program Status and Near-Term Opportunities: Current phase, upcoming milestones, and critical path items across Infrastructure, Physical, Readiness, and Digital lines of effort

**Integration and Interoperability Priorities:** How OTTI is aligning architectures, data, and interfaces to enable training.

**Recommended Participants:** O-5/O-6 Command Teams, Senior Enlisted Leaders, and Unit/Delta Operations and Training Leadership. Program Managers, Chief Engineers, Requirements Leads, and Professionals supporting M&S/LVC, ranges, and training systems. Government Civilians and Mission Partners engaged in acquisition planning, fielding, and sustainment. Industry Executives, Capture Leads, and Technical Directors seeking relevant guidance on integration, schedule, and operational value.



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# PROGRAM BRIEF

THURSDAY, 4 DECEMBER • 0830 – 1000 • ROOM 330EF

## NAVY VISION FROM TRAINING SYSTEMS PROGRAM MANAGERS

### MODERATOR

**MIKE MERRITT**

Acquisition Director, NAWCTSD

### PANELISTS

**CAPTAIN ROBERT BETTS, USN**

Commanding Officer, NAWCTSD and NSA Orlando

**CAPTAIN JAMES RORER, USN**

Program Director, Training Systems & Simulation Program Management Office, F-35 Joint Program Office

**CAPTAIN JAMIE ROGERS, USN**

Acting Director, Career Training Continuum PEO Manpower, Logistics, and Business Solutions

**CAPTAIN JONATHAN SCHIFFELBEIN, USN**

Program Manager, PMA 205

This panel, representing a broad spectrum of programs and capabilities vital to the Navy's training mission, offers a unique perspective. They will delve into the year's most significant program highlights and articulate their strategic vision for the future of Navy training. This is an excellent opportunity to learn directly from key decision-makers and program managers about the evolving landscape of Navy training and how it adapts to meet emerging challenges. The insights shared will be beneficial to anyone involved in or interested in the technology and strategies shaping the future of naval training.

THURSDAY, 4 DECEMBER • 1300 – 1600 • ROOM 330CDGH

## ARMY ACQUISITION UPDATE (TSIS UPDATES)

### MODERATOR

**BRIGADIER GENERAL CHRISTINE BEELER, USA**

Program Executive Officer, U.S. Army PEO STRI

### PANELISTS

**COLONEL NATASHIA COLEMAN, USA**

Project Manager, Cyber, Test and Training (PM CT2)

**JOHN GILLETTE**

Project Manager, Synthetic Environment (PM SE)

**LIZ BLEDSOE**

Project Manager, Training Devices (PM TRADE)

**DESTINY LASKI**

Acting Project Lead, Enterprise Transformation, and Integration (PL ETI)

**MICHAEL WILLOUGHBY**

Project Lead, Training Aids, Devices, Simulations (TADSS) and Simulators Support Operations

**DALE WHITTAKER**

Project Lead, International Program Office (PL IPO)

The U.S. Army Program Executive Office Simulation, Training and Instrumentation (PEO STRI), Training Simulation Industry Symposium (TSIS) updates at I/ITEC will provide the latest information regarding current and future PEO STRI business opportunities. There is an update from the June 2025 TSIS.



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# THE NEXT BIG THING

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MONDAY, 1 DECEMBER • 1230-1330 • ROOM 330CDGH

## AI FLUENCY INITIATIVE IN HIGHER EDUCATION (THE OHIO STATE UNIVERSITY)

### SPEAKER



VADM CARTER, USN (RET.)

### MODERATOR



DR. WINER

### AI Fluency in Higher Education

In this session, the audience will learn about the comprehensive approach that The Ohio State University is taking to integrate artificial intelligence across the institution, from student learning to research to day-to-day operations. Members of the training, simulation and education community will gain valuable perspectives from a 38-year U.S. Navy veteran-turned-higher education president as they seek to implement AI initiatives in their own organizations to train and educate future warfighters. Key discussion points will include:

- What are the major elements of Ohio State's AI initiative?
- What are the similarities and differences between implementing AI at a large research university and simulation training in the aviation world?
- Why do future leaders – in all fields, including the military – need to be "AI-ready"?
- What are the cultural barriers that need to be overcome in embedding AI into the educational curriculum?
- Given the near completion of the fall semester, what are some of the lessons learned, pros and cons, and best practices that Ohio State can share with colleagues across education, industry and the military?

**Speaker:** VADM Ted Carter, USN (Ret.), President, The Ohio State University



**Moderator:** Eliot Winer, Ph.D., Director, VRAC Research Center, Iowa State University



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TUESDAY, 2 DECEMBER • 1400-1530 • DESTINATION LOUNGE

## FUTURE CONCEPTS

### SPEAKERS



MS. SCHAUMANN-PHILLIPS



DR. RUTHERFORD



MR. WILSON



MR. PATTON, JR.



MS. BURNS



MR. KLEINHAMPLE

### MODERATOR



#### Beyond the Coming Cyber War

This session will be a 15-minute call to action: build resilience, run table-top exercises, eliminate single points of failure, and teach our teams (and kids) how to think creatively again. Because if we can't improvise under pressure, we've already lost. The next big thing isn't some futuristic cyber war—it's whether we can keep moving forward when the map is lost, the torches are out, and the dragon's already breathing down our necks.

**Speaker:** Andrea Schaumann-Phillips, Director, Federal Engagement, Fortress

#### The Training Singularity

By 2035, we may reach a "Training Singularity" that could upend MS&T as AI outpaces human cognition and scales exponentially, collapsing today's linear, instructor-centric model. This moderated session examines early signals such as AI agents used in planning, mission orchestration, and adversary roles at machine speed and paints a picture of a 2035 setting where students coordinate with AI in system-integrated environments. We'll explore impacts on doctrine, learning pipelines, and evaluation, highlight AI-driven post-mission debrief could look like through a 2035 scenario, and urge rebuilding frameworks now.

**Speakers:** Hart Rutherford, Ph.D., Chief Operations Officer, PLEXSYS Interface Products, Inc.; Ethan Wilson, Solution Strategy Analyst, PLEXSYS Interface Products, Inc.; and Brooks Patton, Jr., Founder & CD, Contest Highground, LLC

#### Convergence, Collaboration, and Commercialization: Shaping the Future of the Modeling, Simulation, and Training (MS&T) Market

In a world where conflict is increasingly digital, immersive, and data-driven, the defense Modeling, Simulation & Training (MS&T) market is undergoing a seismic transformation. Emerging technologies will accelerate convergence across traditionally siloed communities. Geopolitical shifts and surges in international defense spending spotlight the need for tech that boosts interoperability and joint operations against evolving threats. Meanwhile, the rise of new business models and evolving buying behavior stand to change the trajectory of tech commercialization and adoption. Whether you're a defense contractor, tech innovator, or government user or acquisition professional, discover how to position your organization at the forefront of this rapidly evolving landscape.

**Speaker:** Sam Burns, Director, Aerospace, Defense, & Government Practice, Oliver Wyman

**Moderator:** Bob Kleinhample, CMSP, Chief Executive Officer, PioneerSim



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# THE NEXT BIG THING

WEDNESDAY, 3 DECEMBER • 1030-1200 • DESTINATION LOUNGE

## SPATIAL COMPUTING AND WORLD MODELING

### SPEAKERS



MR. WOODARD



MR. McCLENDON



MR. CASTELLAR

### MODERATOR



MR. DE FIGUEIREDO

#### The Future of MS&T and AI World Foundation Models

The MS&T visual simulation community has traditionally used standard 3D graphics pipelines in an effort to provide realism, driven by manual content workflows and human-defined shading algorithms. In spite of decades of technological development, and with significant improvements along the way, real-time graphics still fall far short of fully reaching real-world fidelity. As AI rapidly matures, new methods are set to enable significantly higher levels of realism than has ever been possible using traditional graphics methods, both for visible and non-visible spectrum visual simulation applications. This talk will discuss the current state of the art for AI world foundation models and where the technology is likely moving in the next few years.

**Speaker:** Tim Woodard, Sr. Solutions Architect, NVIDIA

#### Helping AI Understand Geography to Create a Machine-Readable World

AI may have read every book in existence, but it does not yet understand geography. This is changing rapidly with advances in geospatial AI, creating opportunities that span both the commercial and government worlds. In this fireside chat, Brian McClendon, CTO of Niantic Spatial and Javier Castellar, Co-Founder and Chief Strategy Officer of Aechelon Technology, discuss the role of digital twins and geospatial AI in simulation and training, as well as the role of geospatial AI models to help people and machines understand and interact with the physical world. Brian, a pioneer of digital mapping who first attended I/ITSEC for the private launch of SGI's Infinite Reality in 1995, is working closely with Javier and Aechelon on a groundbreaking new initiative that will integrate best-of-class technology solutions to create a live digital twin of the Earth.

**Speakers:** Brian McClendon, Niantic Spatial, Inc. and Javier Castellar, Chief Strategy Officer, Aechelon Technology



**Moderator:** Gastao De Figueiredo, VP, GTM Operations, D-Wave Quantum, Inc.



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WEDNESDAY, 3 DECEMBER • 1330-1500 • DESTINATION LOUNGE

## HUMAN/MACHINE TEAMING

### SPEAKERS



DR. LUM



MR. MEIL



MR. RUTHS



DR. STENSRUD

### MODERATOR

#### Human-Animal Teaming as a Model for Effective Human-AI Robot Teams

Dr. Lum will discuss traditional human team research foundations and how that does (and more importantly) does not translate to human- autonomous robot teaming. She will then discuss her current research examining how humans and animals work together, from the unique challenges of communicating with each other to harnessing animals' unique abilities. Dr. Lum will then dive into how we can learn about creating successful human-autonomous robot connections by modeling human-animal team dynamics.

Human-animal teams have long utilized a unique dynamic to accomplish their missions. Unlike human-human teams, human-animal teams have to work together without the benefit of a common natural language so they instead must rely heavily on other communication and environmental cues in order to understand what each wants and needs from the other. The reason that we use animals, especially dogs, is because their sensory abilities (especially their olfaction) are far superior to that of any human counterpart. Similarly, we use robot entities because of their ability to go into places we can't (such as Mars and other space missions), because of their information processing power, amongst other skills. This falls into the notion of "what's next" as I will use the TED style talk format to discuss our specific human-animal team model. Instead of trying to make AI robot team members more human-like, as we often do, we propose to examine and use the human-animal team model to create a more effective human-robot team dynamic.

**Speaker:** Heather Lum, Ph.D., Arizona State University



#### Crossing the Valley: Composable Intelligence and the Model Control Plane

Mission environments demand AI models from diverse sources (open-source, proprietary, commercial, and government) to work together seamlessly. But without orchestration, these models remain fragmented, creating brittle, unscalable interfaces between capability and mission. This TEDx style talk introduces "Composable Intelligence," a framework enabled by AI model control planes and model of model orchestration. It provides the connective layer to validate, monitor, secure, and govern heterogeneous models across their lifecycle. The embedding of dynamic lifecycle management and adversarial protection into the infrastructure accelerates the transition from prototype to persistent deployment. This supports bridging the valley of death between experimentation and mission adoption across training and simulation environments.

**Speakers:** Jay Meil, Chief Data Scientist, SAIC



#### Building the Nervous System for Manned-Unmanned Teaming

The integration of human operators and autonomous systems is becoming increasingly prevalent in modern defense operations. However, there are still significant gaps in operator confidence and planning effectiveness when using these systems. Low confidence and poor deployment can lead to wasted potential or, even worse, serious risks to man and machine. As militaries adopt these technologies, how can the simulation and training community enhance the warfighter's ability to collaborate with these systems and trust in their effectiveness?

In this presentation, we will explore how continuous simulation—integrated at every phase of the warfighter's planning process, from receiving the warning order to conducting mission rehearsals—can bridge this gap. By empowering warfighters to build confidence in autonomous solutions and explore optimal deployment strategies, we can enhance their operational effectiveness.

Join us as we uncover how optimizing human-machine collaboration with simulation can help warfighters win the wars of tomorrow.

**Speaker:** Weston Ruths, Senior Software Product Manager, Anduril

**Moderator:** Brian Stensrud, Ph.D., Technical Fellow, CAE USA



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# THE NEXT BIG THING

WEDNESDAY, 3 DECEMBER • 1530-1630 • DESTINATION LOUNGE

## QUANTUM COMPUTING

SPEAKER



MR. LANTING

MODERATOR

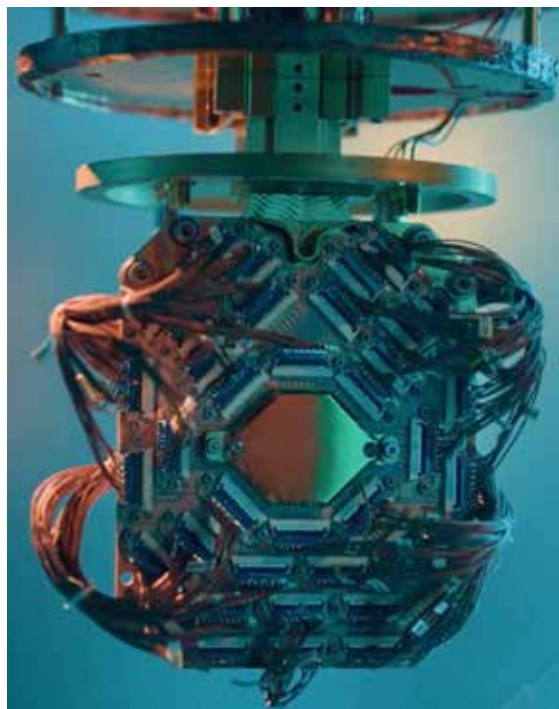


MR. DE FIGUEIREDO

### Applying Quantum Annealing Technology

Quantum computing harnesses quantum dynamics to deliver powerful new computational tools for solving hard problems. In this presentation we will discuss how technologies such as quantum annealing provide breakthrough capability to tackle complex combinatorial optimization problems. This capability can help power large scale simulations and use cases in logistics, personnel scheduling, and enhancing generative AI models. We will discuss exciting customer applications that are made possible by the largest quantum processors in the world. We will also discuss the evolution of this technology and our development roadmap.

**Speaker:** Trevor Lanting, Chief Development Officer, D-Wave Quantum, Inc.



**Moderator:** Gastao De Figueiredo, VP, GTM Operations, D-Wave Quantum, Inc.



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WEDNESDAY, 3 DECEMBER • 1630-1700 • DESTINATION LOUNGE

## TRAINING ROBOTS

SPEAKER



MR. SORRENTI

MODERATOR



DR. BENNETT



### Why Training Robots in Games Could Be the Smartest Idea in Tech

Robotics has long been constrained by slow, costly, and risky real-world training. Teaching a machine to assemble a product, or navigate a disaster zone can take months of painstaking trial and error.

But what if robots could play before they work? By harnessing game engines like Unity, Unreal, and NVIDIA Omniverse, we can now create photorealistic training grounds where robots learn the way children do—through trial, error, and repetition at superhuman speed.

This simulation-first revolution is transforming robotics as profoundly as the shift from analog to digital. From battlefields and rescue operations, leading teams are already using synthetic environments to train smarter, safer, and faster machines.

Explore how game technology is giving robots a “childhood,” why this shift is driving market growth, and what opportunities—and risks—await those ready to build the next generation of embodied intelligence.

**Speaker:** Mike Sorrenti, President and Founder, Game Pill, Inc.

**Moderator:** Winston Bennett, Ph.D., Modeling and Simulation Engineer Senior Principal Support, SAIC



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# THE NEXT BIG THING

THURSDAY, 4 DECEMBER • 0830-1000 • DESTINATION LOUNGE

## WEARABLES AND HUMAN SENSORS

### SPEAKERS



LTCOL BEY



DR. BAIR



BG COOLEY, USA (RET.)



MR. BRUNI



DR. DUHON

### MODERATOR



### Integrating Wearables into Simulator Training for Human Cognitive and Stress Assessment

The cognitive load on our warfighters has increased significantly. With not just more complex environments to handle, our warfighters have more systems, more screens to look at, more information to integrate before a decision can be made. Artificial Intelligence is also not a panacea. If not implemented well, AI can actually further increase the cognitive load of our people.

How do we train the brains of our people better, how do we assess their cognitive growth objectively, and leave it less to chance and subjectivity? How do we help them on work and off work, manage their sleep and stress like a high performance athlete?

In my presentation I will talk about how the Republic of Singapore Air Force is tackling this issue using commercial off the shelf wearables and other modern techniques so that we can screen more accurately, tailor training to individuals, and help them to maximise their own potential. Our market surveys show few vendors offer integrated solutions that match simulators with human performance measures, and hence the need for co-developed solutions.

**Speaker:** LtCol David Bey, Organizational Architect, Republic of Singapore Air Force

### NeuroTech on the Frontlines: EEG-Enabled Solution Redefining Warfighter Performance, Resilience and Optimization

The next battlespace advantage won't just be armor or firepower, it will be cognitive clarity. Once chained to hospital labs, EEG is breaking free, woven directly into smart uniforms and apparel that move, breathe, and think with the Warfighter. These next-gen fabrics capture brain signals in real time, in training environments, on patrol, in the cockpit, under fire, delivering instant, actionable insights on mental acuity, optimal performance and fatigue. It's battlefield neuroanalytics at the speed of mission, meeting the Warfighter where they are, turning garments into a sensor and every decision into an informed one. The future of force readiness isn't coming, it's being worn.

**Speaker:** Amy Bair, Ph.D., Advisory Board Member, Nuream and BG Rob Cooley, USA (Ret.), Chief Executive Officer, Nuream



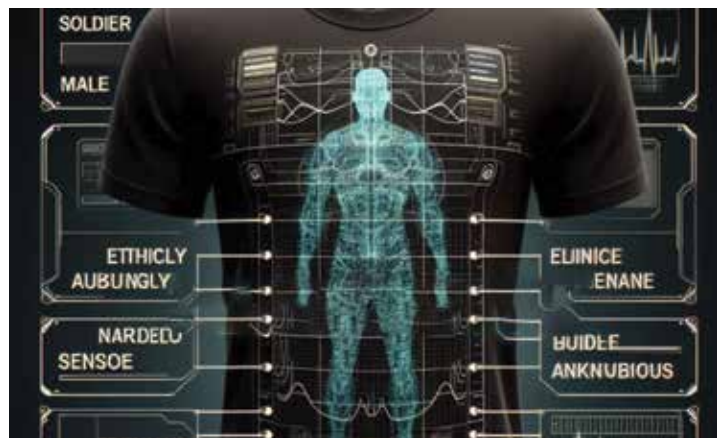
### Human-AI Teams That Train With You: Embodied Agents for Performance and Readiness

This talk introduces Cognosomatics, a visionary leap in human-AI teaming where embodied agents serve not as instructors or tools, but as adaptive, biosymbiotic teammates. Designed for the training and operational ecosystems of 2030, cognosomatic agents fuse physiological sensing, cognitive modeling, agentic AI, and robotic augmentation into a closed-loop system that continuously co-evolves with the human. These agents don't just observe performance; they sense stress, predict intent, and act in synchrony with the learner to optimize performance, resilience, and mission readiness across training and operational contexts.

By integrating cutting-edge technologies projected to mature by the end of the decade, such as LLM-driven agentic AI, digital twins of human state, multimodal neurophysiological sensing, and bi-directional human-machine interfaces, cognosomatics transforms training into an embodied, lifelong process of human-machine fusion. In doing so, it offers a scalable, personalized alternative to traditional simulation paradigms, extending adaptive training into live operational augmentation.

This presentation challenges the I/ITSEC community to envision a future where warfighters do not train alone or with static systems, but with AI teammates who grow, learn, and fight alongside them. The approach directly addresses the demands of multi-domain, high-intensity operations by enabling training that is persistent, personalized, emotionally intelligent, and operationally embedded. Cognosomatics is not a tweak to the status quo; it's a blueprint for the next generation of mission-ready human-machine ecosystems.

**Speaker:** Sylvain Bruni, Principal Engineer & Division Director, Aptima, Inc.



**Moderator:** Alethea Duhon, Ph.D., Director, Modeling, Simulation, and Training, KBR



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### INTERNATIONAL PAVILION

International attendees can meet and connect with counterparts from around the world. Limited private meeting space is available on a first-come, first-served basis to our international participants and may be scheduled at the International Pavilion's Welcome Desk. Additional information about the many international activities throughout I/ITSEC is readily available in the International Pavilion.

International registrants should register at the dedicated international check-in station positioned near the main registration desk in the lower level of the South Concourse. International conference attendees' meeting bags will be available for pick-up at the main registration desk this year.

### ROOM S310E-H

### INTERNATIONAL PAVILION HOURS OF OPERATION

Monday, 1 December	0800 – 1800
Tuesday, 2 December	1200 – 1800
Wednesday, 3 December	0800 – 1500
Thursday, 4 December	0800 – 1500



WEDNESDAY, 3 DECEMBER • 1000 – 1130 • INNOVATION SHOWCASE ONE, BOOTH 2801

## BEST FROM AROUND THE GLOBE



Best from Around the Globe features the Best Paper awardees of MODSIM World and IT<sup>2</sup>EC. Each of the winners was selected by a committee and criteria specific to the particular global conference focus and theme. Come hear the award winners offer their outstanding presentations from these prestigious international conferences.

#### IT<sup>2</sup>EC 2025 BEST PAPER

**ACCELERATING NAVY READINESS WITH MOBILE VIRTUAL REALITY (VR) AND HANDHELD GAMING PC SIMULATIONS IN THE FLEET**

Anders Gronstedt, Ph.D., The Gronstedt Group, Denver, CO

#### MODSIM WORLD 2025 BEST PAPER

**ENGINEERING MENTAL WELLNESS: A DIGITAL TWIN FOR CHRONIC STRESS MODELING AND REAL-TIME INTERVENTION**

Valentina Ezcurra, University of Central Florida, Orlando, FL

#### AUSTRALASIA SIMULATION CONGRESS 2025 BEST OVERALL PAPER AWARD AND BEST STUDENT PAPER AWARD

**GAMIFYING TRAFFIC INCIDENT RESPONSE: A SIMULATION-BASED TRAINING MODEL FROM THE DUBAI POLICE ACADEMY**

Major Ahmad Alsuwaidi, Dubai Police Academy, Dubai, United Arab Emirates

To view session descriptions, please view the Digital Program at [IITSEC.org/Agenda/Agenda-Details](https://www.iitsec.org/Agenda/Agenda-Details).  
The most up-to-date session information is available on the mobile app.



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**EXHIBIT HALL**

**CYBER PAVILION**

**BOOTH 2369**

**2025 NTSA CYBER PAVILION at I/ITSEC** provides events and engagements with Cyber, Electromagnetic, Wargaming, and Information Warfare leaders, developers and educators. Corporate sponsorship enables these areas:

- **Communication** about opportunities that span Cyberspace and Electromagnetic Warfare operations from the Tactical through Operational and Strategic levels; Integration support for policy makers and staffs, EW/Cyber/SIGINT operations; Information Warfare challenges, understanding about Mis/Dis-Information Campaigns, and Multi- Domain Operations
- **Understanding** of current Defense Department service perspectives: U.S. Army Cyber Command, Army Cyber Center of Excellence, USAF (16th AF IW Command), Navy (U.S. Fleet Cyber Command) and Marines (USMC Force Cyber Command), Coast Guard (USCG Cyber Command); Department of Homeland Security (Cybersecurity and Infrastructure Security Agency CISA), International Partners perspectives
- **Education** about Academic opportunities, studies and workforce development and model & tool development
- **Presentations and Demonstrations** of applications, training, and technology approaches in development or in use to support operational organizations

As the capabilities enabling training and simulation support for cyber, electromagnetic, wargaming and information warfare areas continue to evolve and expand across the U.S. Government and military services, the Cyber Pavilion serves as NTSA's enabling platform at I/ITSEC for professional dialog, networking, cooperation, and discovery of solutions to address the challenges presented by Cyberspace for Information Warfare and Multi-Domain Operations. Events and attendees span U.S. Government, Department of Defense, Department of Homeland Security, International Partner Nations, Industry and Academia. Senior leaders from many organizations will attend and speak at the Pavilion. Sponsorship delivers better understanding of current capabilities and assists in communicating the needs across organizations and services. Support the proven success of the Cyber Pavilion and the pursuit of solutions at I/ITSEC.

**NOTABLE ATTENDEES • NETWORKING CONTACTS  
ALL AT THE CYBER PAVILION:**

**DISCUSSIONS ON CURRENT TOPICS**

- The Future of Cyber Ranges: From Lab Exercises to Operational Rehearsal
- Countering the Drone Threat – EW in M&S
- Cyber, Logistics, and Sustainment
- Information Warfare and the effect on the Battlefield
- Cyber Effects on the Modern Battlefield
- Modern Wargaming and Cyber
- Cyber, Information Warfare, EW – in M&S
- AI – Impact in M&S and the Battlefield
- And many more topics!

**2 DECEMBER**

- 1215 – 1300 Cybersecurity Campaign Demo by Cypire
- 1315 – 1430 Panel: AI's Impact in M&S and the Battlefield
- 1430 – 1530 Panel: Advancing the Future of Electronic Warfare
- 1530 – 1700 Panel: Countering the Drone Threat

**3 DECEMBER**

- 0945 – 1100 Panel: Cyber Effects on the Modern Battlefield
- 1115 – 1230 Cyber Range Training Demo by Command Post Technologies
- 1300 – 1400 CyberBOSS/CyberSTRIKE Demo by Dignitas Technologies
- 1415 – 1530 CJADC2 SoS M&S by BAE Systems
- 1545 – 1700 Panel: Cyber, Information Warfare, EW in M&S



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## INNOVATION SHOWCASE ONE

Exhibit Hall – South Hall • Booth 2801

Presentations within the Innovation Showcase are led by cutting-edge exhibiting companies and government agencies that are knowledgeable on the various subject matter within the M&S Industry. Be sure to stop by one of the 30-minute sessions to hear what is new and exciting in M&S! Check the onsite schedule for any changes or updates to the Innovation Showcase schedule.

AS OF 10 NOVEMBER 2025

MONDAY, 1 DECEMBER		
1500 – 1530	Schemata, Inc.	Spatially Intelligent Training Systems: Where AI Meets the Physical World
1545 – 1615	Hologlight USA Inc. (Holo-Light GmbH)	XR Streaming for Defense: Secure, Scalable, Future-Proof
1630 – 1700	Adaptive Immersion	Mass Critical Incident Analysis for Dangerous Jobs VR Training
1715 – 1745	EXO Insights Corp	Mission-Speed Readiness: How BioTwin Transforms Human Data into Operational Advantage
TUESDAY, 2 DECEMBER		
1230 – 1300	Vrgineers, Inc.	Mixed Reality Training Advancement
1315 – 1345	QuaternAR a.s.	QAROS: Turning Existing 3D App into XR App Easily
1400 – 1430	HTC America, Inc.	Next-Level Prototyping with Mobile Private 5G: Speed, Security, Scale
1445 – 1515	dSPACE Inc.	From Concept to Validation: How to Move from Modeling to Real-Time Testing
1530 – 1600	C2 Technologies, Inc.	Adapt2Learn: AI Personalized Learning
1615 – 1645	AGENIUM It & Systems	Terra Vista 2025
1700 – 1730	BadVR, Inc.	Extended Reality AI for Training and Operations
WEDNESDAY, 3 DECEMBER		
1000 – 1130		<b>Best from Around the Globe Presentations</b>
1230 – 1300	Design Interactive	Nexora: Your Digital Competency Companion
1315 – 1345	Extreme Simulations	Project: PDR25 (Preventable Death Rate 25%) TCCC manikin
1400 – 1430	Antaris	Enhancing Operational Impact Using Full Mission Virtualization
1445 – 1515	Emergency Response Simulations	Preparing for Military-Assisted Response to Natural and Man-Made Disasters
1530 – 1600	309 SWEG/EDDGE	Interactive Simulation Environment for Evaluating Counter Unmanned Aerial Systems (C-UAS) Technologies Against Drone Swarm Attacks
1615 – 1645	Training Bridge	Wound Cell – Simulation training with biofeedback to correct the high failure rate during initial wound compression. Training that corrects common failure point in current TCCC and Pro-longed Field Care training programs.
THURSDAY, 4 DECEMBER		
1000 – 1030	Explotrain with A.U. Fire	Blast Wave and Immediate/Sustained Injury Simulation Live Demonstration
1045 – 1115	Quantum3D, Inc.	HALP – HAVELSAN Adaptive Learning Platform: Shaping the Future of Training and Readiness
1130 – 1200	Dalcomm Tech LLC	Innovations in Comms Headsets and PTT Devices
1215 – 1245	LEVATO	Digital Wargaming & Decision Analytics Demonstration
1300 – 1330	Whirlwind3D LLC	(1) Increasing audio realism in simulations, and (2) Improving “Fair Fight” balance for Line of Sight plus advanced radio signal propagation and degradation



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# SPECIAL EVENTS EXHIBIT HALL

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## INNOVATION SHOWCASE TWO

Exhibit Hall – South Hall • Booth 3001

Presentations within the Innovation Showcase are led by cutting-edge exhibiting companies and government agencies that are knowledgeable on the various subject matter within the M&S Industry. Be sure to stop by one of the 30-minute sessions to hear what is new and exciting in M&S! Check the onsite schedule for any changes or updates to the Innovation Showcase schedule.

AS OF 10 NOVEMBER 2025

MONDAY, 1 DECEMBER		
1500 – 1530	Design Interactive	Virtual Maintenance Assistance
1545 – 1615	Unhinged LLC	Unhinged Modular Wall System
1630 – 1700	Matrix pro Sims	Commanding the Future: Using Generative AI to Drive Wargaming through Natural Language Interaction
1715 – 1745	Serious Simulations	Instrumentation for Drone Attacks and Defense in Live Force-on-Force training
TUESDAY, 2 DECEMBER		
1230 – 1300	Unity Technologies and Click Bond	Immersive Maintenance Training: Where Simplicity Meets Reliability
1315 – 1345	The Weather Company	Command the Weather. Command the Mission.
1400 – 1430	DiSTI Corporation	Training Without Boundaries: Redefining Readiness with Mixed-Reality
1445 – 1515	Dynamic Graphics Inc.	Automated 3D Scene Generation for Strategic Analysis: Viewshed Modeling, Dynamic Line-of-Sight Evaluation, & Advanced Spatial Insights
1530 – 1600	VSTEP Simulation	Bridging the Gap: Remote Operation Simulation Training
1615 – 1645	Kongsberg Maritime Simulation	Use Cases for Kongsberg K-Sim Simulators, Training, Research for Autonomy and Crane, Offshore and Naval Functionality
1700 – 1730	Nutanix	Unifying Cloud, Edge, and Data Center for the Mission
WEDNESDAY, 3 DECEMBER		
1000 – 1130	Varjo Technologies	Extended Reality (XR) Flight Simulation - Force Multiplier for Training
1130 – 1200	BetaFlix Inc	BetaFlix Integrated Training System: B-52 Fuel Systems Trainer
1230 – 1300	Intelligent Video Solutions	Enhancing Training Effectiveness with VALT Video Technology
1315 – 1345	Blue Marble Geographics	Geospatial Applications of AI for Object Detection in Remotely Sensed Imagery
1400 – 1430	Optios Inc	Optios'Neuroedge – A Neuroadaptive System Designed to Enhance Human Learning and Accelerate Skill Acquisition
1445 – 1515	Moth + Flame	Ready for the Future: Immersive Training Across the Warfighter Lifecycle
1530 – 1600	Speedgoat Inc.	From Digital Twin to Live Readiness: Real-Time HIL in Action
1615 – 1645	Laerdal Medical	Beyond the Scenario: Building Real-World Readiness Through Simulation
THURSDAY, 4 DECEMBER		
1000 – 1030	Ternion Corporation	Intergrating Unreal Engine Games Directly into Constructive Simulation
1045 – 1115	Blackshark.ai	AI-powered, Mission-ready and Large-scale 3D Terrain Generation from Any Sensor Data
1130 – 1200	Panasonic Projector & Display Americas	Meet the How Panasonic & Igloo's new TAA-Compliant Immersive Room Solution is creating shared immersive experiences for simulated trainings, after-action reviews (AARs), immersive meetings, and other use cases.
1215 – 1245	Guardiaris	Accelerating UAS Innovation through Synthetic Environments



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# EXHIBITORS

AS OF 4 NOVEMBER 2025

NTSA Sustaining Member • NTSA Regular Member • NTSA Associate Member

112Cyber	697	<b>BadVR</b>	<b>466</b>	DART Range Simulation Training	380
<b>2 Circle Inc.</b>	<b>527</b>	<b>BAE Systems</b>	<b>1649</b>	<b>David Clark Company Incorporated</b>	<b>432</b>
<b>3D perception</b>	<b>1201</b>	<b>BAE Systems One Arc</b>	<b>1649</b>	<b>Dedicated Computing</b>	<b>1815</b>
<b>4C Strategies</b>	<b>1727</b>	<b>Bagira / Bagira Systems</b>	<b>734</b>	<b>Defense Maritime Solutions</b>	<b>959</b>
19 AF/FTCoE Det 24	249	<b>Barco, Inc.</b>	<b>1421</b>	<b>Delaware Resource Group of Oklahoma, LLC</b>	<b>663</b>
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