MONDAY, 18 AUGUST

- 0800 1600 REGISTRATION OPEN GRANBY BALLROOM FOYER
- 1200 1600 EXHIBIT HALL OPEN GRANBY BALLROOM FOYER
- 1230 1245 WELCOME & OPENING REMARKS GRANBY BALLROOMS ABCD

Claire Hughes

2025 Conference Chair, Design Interactive, Inc.

VADM Sean Buck, USN (Ret.) President, National Training and Simulation Association (NTSA)

SCHOLARSHIP AWARDS PRESENTATION

Linda Brent, Ed.D.

Strategic Planning, NTSA; Chief Executive Officer, The Asta Group, LLC

VADM Sean Buck, USN (Ret.) President, NTSA

1245 – 1300 CONGRESSIONAL KEYNOTE ADDRESS

GRANBY BALLROOMS ABCD

The Hon. Bobby Scott (Invited) U.S. Congress, 3rd District, VA

1300 – 1430 SPECIAL EVENT: Teaching A New Dog Old Tricks – Partnering with AI for Creating Training GRANBY BALLROOMS ABCD

This roundtable explores how GenAI and LLMs can be a partner in elevating how we in the training simulation community provide tools that ensure operational readiness. The Roundtable will include experts speaking distinctive approaches to leveraging AI for readiness, covering topics like:

- GenAl as Your Co-Creator How GenAl can collaborate with training developers to design simulations faster and smarter
- Simulation: Impossible Using GenAl to generate synthetic data for rare or high-risk training scenarios
- Getting Ready for Readiness Leveraging predictive analytics to anticipate training needs, forecast learner performance, and
 proactively address skill gaps

MODERATOR

Benjamin Bell, Ph.D.

VP Advanced Capabilities, Potawatomi Business Development Corporation, Federal Group

Jamieson Gump, Ph.D.

Senior Technical Advisor for Modeling, Simulation and Analysis (EPA), Department of the Air Force (CMSO, AFRL & PEO C3BM)

James Pharmer, Ph.D.

Chief Scientist, Naval Air Warfare Center Training Systems Division

1430 – 1500 NETWORKING BREAK & DEDICATED EXHIBIT TIME

GRANBY BALLROOM FOYER



SPECIAL EVENT: Wargaming at the Crossroads: Balancing Traditional Methods and M&S 1530 - 1630 Innovation in DoD

GRANBY BALLROOMS ABCD

This panel examines the evolving tension within Department of Defense wargaming, where time-honored tabletop approaches clash with emerging modeling and simulation (M&S) technologies. Traditional wargaming-rooted in human decision-making, abstraction, and experiential learning-faces pressure to integrate computational tools promising scalability, multi-domain fidelity, and data-driven insights. Yet this fusion risks diluting the strategic intuition and adaptability that define manual methods. Experts representing both paradigms will debate critical questions:

- · Can M&S enhance traditional wargaming's pedagogical value without undermining its "design for effect" philosophy?
- · How can hybrid approaches overcome limitations in representing multi-scale operations (e.g., cross-domain, cognitive warfare)?
- · What safeguards ensure technology complements-rather than replaces-human ingenuity in scenario design and analysis?

MODERATOR

Luke DeVore

Managing Partner, Voltron Group

Sebastian Bae

Senior Game Designer, Center for Naval Analyses (CNA)

1630 - 1700 SPECIAL EVENT: One-Minute Spotlight

GRANBY BALLROOMS ABCD

In this dynamic session, presenters distill their professional essence into a single slide and 60 seconds. Presenters will introduce themselves, outline their services or capabilities, and share their conference goals. Whether you're a researcher, entrepreneur, or industry professional, this rapid-fire spotlight ensures maximum impact in minimal time.

MODERATOR

Luke DeVore

Managing Partner, Voltron Group

1700

NO HOST SOCIAL

THE GRAIN

Sebastian Loze Vice President Products Innovation, BI Simulation

CAPT Nathan Tidwell

Wargaming Operations Officer, Brute Krulak Center of Innovation & Future Warfare, Marine Corps University (MCU)

RADM James Robb Scholarship Award @ MODSIM

The NTSA RADM James Robb scholarships are being offered to prepare individuals for leadership in the Modeling & Simulation, Training, and Education communities. RADM James Robb served as the NTSA President from 2012 - 2023, a keystone achievement during his presidency has been the continued expansion of the NTSA Scholarship program. RADM Robb's continued commitment to growing the modeling and simulation technology workforce was evident through his unwavering support of these scholarships. These core programs continue to identify and credential a professional workforce and established educational programs to stimulate interest in M&S careers at all grade levels. RADM Robb believed that by investing in our future workforce, these scholarships will encourage expansion of the I/ITSEC community and promote innovation through direct investment in our community's future leaders.

Name	Name
Major	Major
University	University

TUESDAY, 19 AUGUST

- 0700 1730 REGISTRATION OPEN GRANBY BALLROOM FOYER
- 0730 0830 CONTINENTAL BREAKFAST GRANBY BALLROOM FOYER
- 0830 1830 EXHIBIT HALL OPEN GRANBY BALLROOM FOYER
- 0830 0845 DAY TWO WELCOME & OPENING REMARKS GRANBY BALLROOMS ABCD Claire Hughes

2025 Conference Chair, Design Interactive, Inc.

0845 - 0915 INDUSTRY KEYNOTE ADDRESS GRANBY BALLROOMS ABCD

> Jennifer Riley, Ph.D. Director, RDT&E, Design Interactive, Inc.

0915 - 0945 GOVERNMENT KEYNOTE ADDRESS GRANBY BALLROOMS ABCD

GRANBY BALLROUMS AB

INTRODUCTION

VADM Sean Buck, USN (Ret.) President, NTSA

[Speaker]

[Role, Organization]

0945 - 1000 NETWORKING BREAK & DEDICATED EXHIBIT TIME GRANBY BALLROOM FOYER

1000 - 1130 SPECIAL EVENT: The Simulation Century – The Intelligence Community in the Simulation Century

GRANBY BALLROOMS ABCD

This is our fourteenth annual session to address the growing issue of managing the human/ machine interface as we hurtle towards the Singularity and the Metaverse. We will continue our discussion of how to achieve fluency with smarter balance between humans and machines to optimize outcomes. The Simulation Century Panel presentations this year will focus on the challenges and opportunities of implementing AI and simulation in the intelligence community.

Slouching Towards AGI

Richard Boyd CEO, UltiSim, Inc.

International Intelligence Cooperation, Recruiting and Training

Robin Lobb

Vice President, Membership, International Association for Intelligence Education (IAFIE)

Real Spy Stories in Simulations

Adam Leslie

Executive Director, ASPI USA; President, Real Spy Comics

1130 – 1245 LUNCH & DEDICATED EXHIBIT TIME

GRANBY BALLROOM E & GRANBY BALLROOM FOYER

1245 - 1400	PAPER SESSION I: Human-AI Teaming in De	tense Ops
	DEFENSE	
1245 - 1310	Application of the Human Readiness Levels to Al	Intensive Systems
	Cansu Yalim Old Dominion University	Holly Handley, Ph.D. Old Dominion University
1310 - 1335	Integrating Human-AI Teaming into Modeling and Environments	Simulation for Live, Virtual, Constructive (LVC)
	Thomas Holland, Ph.D. Georgia Tech Research Institute	Elizabeth Whitaker, Ph.D. Georgia Tech Research Institute
	Larry Kim, Ph.D. Georgia Tech Research Institute	Ethan Trewhitt Georgia Tech Research Institute
	Margaret Loper, Ph.D. Georgia Tech Research Institute	Moon Kim Georgia Tech Research Institute
	Brian Martens Georgia Tech Research Institute	Clayton Hutto Georgia Tech Research Institute
1335 - 1400	Emotion-Aware Cognitive Load Management in H	uman-AI Teaming for Defense Operations
	Ancuta Margondai University of Central Florida	Sara Willox, Ph.D. University of Central Florida
	Cindy Von Ahlefeldt University of Central Florida	Mustapha Mouloua, Ph.D. University of Central Florida
1245 - 1400	PAPER SESSION I: Safety & Infrastructure Ris	k Mitigation Modeling
1245 - 1400		
1245 - 1310	INDUSTRY Augmented Virtuality and Infrared Radiation Sense	sing for HVDC Valve Monitoring
1245 - 1310	Augmented Virtuality and Infrared Radiation Sens	
1245 - 1310		Sing for HVDC Valve Monitoring Lilian Queiroz Eletronorte, Eletrobras
1245 - 1310	Augmented Virtuality and Infrared Radiation Sens Gerson Lima, Ph.D.	Lilian Queiroz
1245 – 1310	Augmented Virtuality and Infrared Radiation Sens Gerson Lima, Ph.D. Computer Graphics Works Joao Mendes de Lima	Lilian Queiroz Eletronorte, Eletrobras Jai Neto
1245 – 1310	Augmented Virtuality and Infrared Radiation Sens Gerson Lima, Ph.D. Computer Graphics Works Joao Mendes de Lima Computer Graphics Works Bruno Guilherme	Lilian Queiroz Eletronorte, Eletrobras Jai Neto Federal University of Uberlândia A. Andrade
1245 - 1310 1310 - 1335	Augmented Virtuality and Infrared Radiation Sense Gerson Lima, Ph.D. Computer Graphics Works Joao Mendes de Lima Computer Graphics Works Bruno Guilherme Computer Graphics Works Jader de Oliveira	Lilian Queiroz Eletronorte, Eletrobras Jai Neto Federal University of Uberlândia A. Andrade Federal University of Uberlândia A. Cardoso Federal University of Uberlândia
	Augmented Virtuality and Infrared Radiation Sense Gerson Lima, Ph.D. Computer Graphics Works Joao Mendes de Lima Computer Graphics Works Bruno Guilherme Computer Graphics Works Jader de Oliveira Eletronorte, Eletrobras	Lilian Queiroz Eletronorte, Eletrobras Jai Neto Federal University of Uberlândia A. Andrade Federal University of Uberlândia A. Cardoso Federal University of Uberlândia
	Augmented Virtuality and Infrared Radiation Sense Gerson Lima, Ph.D. Computer Graphics Works Joao Mendes de Lima Computer Graphics Works Bruno Guilherme Computer Graphics Works Jader de Oliveira Eletronorte, Eletrobras Analysis of Space Debris Risk to Satellites in Low COL Joseph Guzman, USA (Ret.)	Lilian Queiroz Eletronorte, Eletrobras Jai Neto Federal University of Uberlândia A. Andrade Federal University of Uberlândia A. Cardoso Federal University of Uberlândia Earth Orbit Jacob Barhak, Ph.D. Jacob Barhak Analytics
1310 - 1335	Augmented Virtuality and Infrared Radiation Sense Gerson Lima, Ph.D. Computer Graphics Works Joao Mendes de Lima Computer Graphics Works Bruno Guilherme Computer Graphics Works Jader de Oliveira Eletronorte, Eletrobras Analysis of Space Debris Risk to Satellites in Low COL Joseph Guzman, USA (Ret.) Space Cowboy ADR Reality Capture and 3D Modeling Applied to Dam	Lilian Queiroz Eletronorte, Eletrobras Jai Neto Federal University of Uberlândia A. Andrade Federal University of Uberlândia A. Cardoso Federal University of Uberlândia Earth Orbit Jacob Barhak, Ph.D. Jacob Barhak Analytics
1310 - 1335	Augmented Virtuality and Infrared Radiation Sense Gerson Lima, Ph.D. Computer Graphics Works Joao Mendes de Lima Computer Graphics Works Bruno Guilherme Computer Graphics Works Jader de Oliveira Eletronorte, Eletrobras Analysis of Space Debris Risk to Satellites in Low COL Joseph Guzman, USA (Ret.) Space Cowboy ADR Reality Capture and 3D Modeling Applied to Dam Hydroelectric Infrastructure Gerson Lima, Ph.D.	Lilian Queiroz Eletronorte, Eletrobras Jai Neto Federal University of Uberlândia A. Andrade Federal University of Uberlândia A. Cardoso Federal University of Uberlândia Earth Orbit Jacob Barhak, Ph.D. Jacob Barhak Analytics Safety Monitoring: A Digital Twin Approach for Alexandre Cardoso
1310 - 1335	Augmented Virtuality and Infrared Radiation Sense Gerson Lima, Ph.D. Computer Graphics Works Joao Mendes de Lima Computer Graphics Works Bruno Guilherme Computer Graphics Works Jader de Oliveira Eletronorte, Eletrobras Analysis of Space Debris Risk to Satellites in Low COL Joseph Guzman, USA (Ret.) Space Cowboy ADR Reality Capture and 3D Modeling Applied to Dam Hydroelectric Infrastructure Gerson Lima, Ph.D. Computer Graphics Works Joao Mendes de Lima	Lilian Queiroz Eletronorte, Eletrobras Jai Neto Federal University of Uberlândia A. Andrade Federal University of Uberlândia A. Cardoso Federal University of Uberlândia Earth Orbit Jacob Barhak, Ph.D. Jacob Barhak Analytics Safety Monitoring: A Digital Twin Approach for Alexandre Cardoso Federal University of Uberlândia Jean Garcia
1310 - 1335	Augmented Virtuality and Infrared Radiation Sense Gerson Lima, Ph.D. Computer Graphics Works Joao Mendes de Lima Computer Graphics Works Bruno Guilherme Computer Graphics Works Jader de Oliveira Eletronorte, Eletrobras Analysis of Space Debris Risk to Satellites in Low COL Joseph Guzman, USA (Ret.) Space Cowboy ADR Reality Capture and 3D Modeling Applied to Dam Hydroelectric Infrastructure Gerson Lima, Ph.D. Computer Graphics Works Joao Mendes de Lima Computer Graphics Works Joao Mendes de Lima Computer Graphics Works Joao Mendes de Lima Computer Graphics Works Jader de Oliveira	Lilian Queiroz Eletronorte, Eletrobras Jai Neto Federal University of Uberlândia A. Andrade Federal University of Uberlândia A. Cardoso Federal University of Uberlândia Earth Orbit Jacob Barhak, Ph.D. Jacob Barhak Analytics Safety Monitoring: A Digital Twin Approach for Alexandre Cardoso Federal University of Uberlândia Jean Garcia Federal University of Uberlândia Maria Cristina Vidigal de Lima

1245 - 1400	PAPER SESSION I: Simulation in Education Design		
	TRAINING & EDUCATION		
1245 - 1310	Bridging Disciplines: Developing an Undergraduat Multidisciplinary Engineering Applications	ng Disciplines: Developing an Undergraduate Modeling and Simulation Course for sciplinary Engineering Applications	
	Mileta Tomovic Old Dominion University	Cynthia Tomovic Old Dominion University	
1310 - 1335	Project-Based Learning in Modeling and Simulation Education: Positive Trends over Three		
	Stephanie Fussell, Ph.D. Aptima, Inc.	Summer Rebensky, Ph.D. Aptima, Inc.	
	Maria Chaparro Osman, Ph.D. Aptima, Inc.	Samantha K. B. Perry, Ph.D. Samantha Perry, Ph.D.	
	William (Liam) Stalker Aptima, Inc.	Stephen McGee USAF AFMC 711 HPW/RHWOW	
1335 - 1400	Designing for Transfer: Developing a Skill-Based S Design Methodologies	Simulation Using Learning Engineering and Game	
	Jessica Johnson, Ph.D. Old Dominion University	John Shull Old Dominion University	
	Austin Connolly Old Dominion University	Hector Garcia Old Dominion University	
1400 - 1415	NETWORKING BREAK & DEDICATED EXHIBIT TI GRANBY BALLROOM FOYER	ME	
1415 - 1530	PAPER SESSION II: Decision Advantage in Mi	ilitary Operations	
	DEFENSE		
1415 - 1440	A Computer-assisted Multi-Domain Operations W	argaming Concept	
	Philip Muurmans Royal Netherlands Aerospace Centre (NLR)	Armon Toubman, Ph.D. Royal Netherlands Aerospace Centre (NLR)	
	Koen Bezemer Royal Netherlands Aerospace Centre (NLR)		
1440 - 1505	Simulating the Skies: Unleashing AI for Adaptive A	Airborne Defense	
	Robin Grimes Intuitive Research and Technology Corporation (INTUITIVE®)	William Marx, Ph.D. Intuitive Research and Technology Corporation (INTUITIVE®)	
	Connor Green Intuitive Research and Technology Corporation (INTUITIVE®)	Chanler Cantor Intuitive Research and Technology Corporation (INTUITIVE®)	
	Jeff Souder Intuitive Research and Technology Corporation (INTUITIVE®)		
1505 - 1530	Compound AI for Decision Advantage: Human Dig Operations	ital Twin Agent Teams and Populations for Military	
	Svitlana Volkova, Ph.D. Aptima, Inc.	Hsien-Te Kao Aptima, Inc.	
	Laura Cassani Aptima, Inc.	Peter Bautista Aptima, Inc.	
	Spencer Lynch Aptima, Inc.	Will Dupree, Ph.D. Aptima, Inc.	



1415 – 1530	PAPER SESSION II: Training Through Immersive Simulation	
	INDUSTRY & TRAINING & EDUCATION	
1415 - 1440	Mobile eXtended Reality (XR) Training: Executing a Productive Training Effectiveness Evaluation	
	Betsy Guzmán Laxton Design Interactive, Inc.	JoAnn Archer Design Interactive, Inc.
	Rebecca Kwasinski Design Interactive, Inc.	
1440 - 1505	From Game Art to Cognitive Tr Simulation-Based Learning	aining: How 3D Asset Design Impacts Situational Awareness in
	Jessica Johnson, Ph.D. Old Dominion University	Bratislav Cvijetic Old Dominion University
	Ashley Buczkowski Old Dominion University	
1505 - 1530	Simulating Cybersecurity Resi Systems	lience in Critical Infrastructure: A Role-Based Learning Game for Water
	Gul Ayaz Old Dominion University	Rafael Diaz, Ph.D. Old Dominion University
	Katherine Smith, Ph.D. Old Dominion University	
1415 - 1530	PAPER SESSION II: Modeling	g Wellbeing & Treatment
	TRAINING & EDUCATION	
1415 - 1440	Affective State Modeling to Pr	edict Training Dropout in Soldier Academies
	Cindy von Ahlefeldt University of Central Florida	Mustapha Mouloua, Ph.D. University of Central Florida
	Ancuta Margondai University of Central Florida	
1440 - 1505	Engineering Mental Wellness:	A Digital Twin for Chronic Stress Modeling and Real-Time Intervention
	Valentina Ezcurra University of Central Florida	Anamaria Acevedo Diaz University of Central Florida
	Ancuta Margondai University of Central Florida	Emma Antanavicius University of Central Florida
	Cindy Von Ahlefeldt University of Central Florida	Nikita Islam University of Central Florida
	Sara Willox, Ph.D. University of Central Florida	Mustapha Mouloua, Ph.D. University of Central Florida
	Soraya Hani University of Central Florida	
1505 - 1530	Personalized EEG-Driven Digita with Autism Spectrum Disorde	al Twin Models for AI and VR-Based Language Therapy in Children r
	Nikita Islam University of Central Florida	Valentina Ezcurra University of Central Florida
	Ancuta Margondai University of Central Florida	Soraya Hani University of Central Florida
	Cindy Von Ahlefeldt University of Central Florida	Anamaria Acevedo Diaz University of Central Florida
	Sara Willox, Ph.D. University of Central Florida	Mustapha Mouloua, Ph.D. University of Central Florida
	Emma Antanavicius University of Central Florida	

1530 - 1600 NETWORKING BREAK & DEDICATED EXHIBIT TIME

GRANBY BALLROOM FOYER

1600 - 1630 SPECIAL EVENT: One-Minute Spotlight

GRANBY BALLROOMS ABCD

In this dynamic session, presenters distill their professional essence into a single slide and 60 seconds. Presenters will introduce themselves, outline their services or capabilities, and share their conference goals. Whether you're a researcher, entrepreneur, or industry professional, this rapid-fire spotlight ensures maximum impact in minimal time.

MODERATOR

Luke DeVore

Managing Partner, Voltron Group

1630 - 1800 OPENING RECEPTION

GRANBY BALLROOM FOYER

Welcome Remarks

Claire Hughes

2025 Conference Chair, Design Interactive, Inc.

Reception Sponsor

VMASC

WEDNESDAY, 20 AUGUST

- 0700 1500 REGISTRATION OPEN GRANBY BALLROOM FOYER
- 0730 0830 CONTINENTAL BREAKFAST GRANBY BALLROOM FOYER
- 0830 1500 EXHIBIT HALL OPEN GRANBY BALLROOM FOYER
- 0900 0915 DAY THREE WELCOME & OPENING REMARKS GRANBY BALLROOMS ABCD

Claire Hughes

2025 Conference Chair, Design Interactive, Inc.

0915 - 1015 SPECIAL EVENT: Future Visions in Medical Simulation

GRANBY BALLROOMS ABCD

As healthcare and military medicine evolve, so must the training tools for future medical professionals. This session convenes a panel of experts from research, technology, military operations, and government to discuss the transformation of medical simulation, from traditional mannequins to immersive, Al-enhanced environments. Topics include the integration of virtual, augmented, and mixed reality in training, the use of haptics for procedural accuracy, and the role of human factors in system design. The panel will also explore challenges in scaling simulation across diverse settings, share insights from real-world deployments, and highlight the importance of interdisciplinary collaboration. Attendees will gain a strategic outlook on how emerging technologies, policy changes, and evolving threats are shaping the future of medical readiness and education.

MODERATOR Frank Karluk

Madison Quinn

Research Lead, Engineering & Computer Solutions

CMSgt Adam K. Reading, USAF (Ret.) Director of Simulation Sales, North American Rescue

Account Executive, DLH Corporation JoAnn Archer

Deputy Director, Design Interactive, Inc.

Cheryl Lockhart

Senior Military Advisor, SimX VR

1015 – 1030 NETWORKING BREAK & DEDICATED EXHIBIT TIME

GRANBY BALLROOM FOYER



1030 - 1145	PAPER SESSION III: AI-Driven Military Training	
	DEFENSE	
1030 - 1055	A Digital Engineering and Al-Driven Approach to Addressing Training Data Shortfalls	
	Anne Little, Ph.D. SAIC	Patricia Bockelman, Ph.D. SAIC
1055 - 1120	Headset-free Immersive Flight Simulators for Improved Training Throughout	
	Christopher Barsi Brelyon, Inc.	Vincent Gio Davis Brelyon, Inc.
	Alok Mehta Brelyon, Inc.	Barmak Heshmat Brelyon, Inc.
1120 - 1145	Adaptive Simulation-Based Training for Military Decision-Making: Leveraging IoT-Derived and Emotional Feedback	
	Anamaria Acevedo Diaz University of Central Florida	Sara Willox, Ph.D. University of Central Florida
	Valentina Ezcurra University of Central Florida	Soraya Hani University of Central Florida
	Ancuta Margondai University of Central Florida	Emma Antanavicius University of Central Florida
	Cindy Von Ahlefeldt University of Central Florida	Mustapha Mouloua, Ph.D. University of Central Florida
1030 - 1145	PAPER SESSION III: Operational Readiness &	Simulation for Security
	INDUSTRY & DEFENSE	
1030 - 1055	Forging the Future of M&S: The Integrated Digital Framework	Maturity Pathway (IDMP) and User Story
	Darryl Draper-Amason, Ph.D. Old Dominion University	Thomas Irwin, Ph.D.
1055 - 1120	Novel Architecture for Naval Cyber-Kinetic Training	
	Omar Hasan, Ph.D. Dignitas Technologies	Jeremy Richarde Dignitas Technologies
	Derek Crane Dignitas Technologies	
1120 - 1145	Contested Homeland Environment Cinication (Chico)	
	Keith Ladd, USA (Ret.) Applied Training Solutions, LLC	Schawn Thropp Applied Training Solutions, LLC
	Joseph Nolan, USA (Ret.) Applied Training Solutions, LLC	

1030 - 1145	PAPER SESSION II: Application of Immersive VR Environments for Training	
	TRAINING & EDUCATION	
1030 - 1055	⁵⁵ Comparison between 360-degree and Digital Immersive VR-based Training Environments for Cleanroom Safety and Fabrication Procedures	
	Jordan Junior Atta Nuako Norfolk State University	Michael Kozhevnikov, Ph.D. Norfolk State University
	Steve Adjetey Adjei Norfolk State University	
1055 – 1120	Immersive Virtual Reality-based Training E	nvironment to Perform the Photolithography Process
	Sandra Eddie Norfolk State University	Michael Kozhevnikov, Ph.D. Norfolk State University
	Dickson Afful Norfolk State University	
1120 - 1145	Comparing Flow, Enjoyment, and Stress Responses in Desktop and Immersive Virtual Reality (Environments	
	Maria Kozhevnikov, Ph.D. Harvard Medical School	Michael Kozhevnikov, Ph.D. Norfolk State University
	Angelica Mah National University of Singapore	
1030 - 1145	SPECIAL EVENT: STEM Event GRANBY BALLROOM FOYER	
	beginning to formulate their dreams for the future. Du	ity to contribute directly to the school experience of youth who are ring the MODSIM STEM event, local high school students will get the ts will rotate through hands-on M&S demonstrations provided in the
1145 - 1300	LUNCH & DEDICATED EXHIBIT TIME GRANBY BALLROOM E & GRANBY BALLROOM	/ FOYER
1300 - 1415	PAPER SESSION IV: Space & Radar Sim	nulation
	DEFENSE	
1300 - 1325	Electromagnetic Environment Simulation: Addressing Operational Training Gaps in Space	
	Michael Buttram Information Systems Laboratories	Brendan Fisher Information Systems Laboratories
	Sandeep Gogineni, Ph.D. Information Systems Laboratories	
1325 - 1350	GPU-Accelerated Radar Simulation for Larg Algorithm Development	ge-Scale Machine Learning Dataset Generation and
	Andrew Willis, Ph.D. Vulcan Ventura	Braden Feshami Quantum Ventura, Inc.
	Srini Vasan Vulcan Ventura	
1350 - 1415	Advanced Analytics for Space-enabled Kill	-webs (AASK)
	David Hillstrom, Ph.D. Infinity Labs, LLC	



1300 - 1415	PAPER SESSION IV: Simulation & AI for Complex Decision Making	
	INDUSTRY	
1300 - 1325	Tabu Search with Reinforcement Learning for Location Problems	
	Kuidong Li William & Mary	Rex Kincaid, Ph.D. William & Mary
	Lydia Wallis William & Mary	
1325 - 1350	1350 Combining Ink, Water, and Cardboard - Using Al Solutions and Curated Data Sets to Make Solutions for Advanced Data Problem Sets in Magic: The Gathering and Beyond	
	Andrew Hollis Emerging Technology Support, LLC	Samantha Sessions Luke Fallis
	Christopher Samulski	
1350 - 1415	- 1415 Simulation-Based Optimization of Synthetic Blood Production and Deployment in Emergency Resource-Limited Clinical Settings	
	Soraya Hani University of Central Florida	Anamaria Acevedo Diaz University of Central Florida
	Ancuta Margondai University of Central Florida	Emma Antanavicius University of Central Florida
	Cindy Von Ahlefeldt University of Central Florida	Nikita Islam University of Central Florida
	Sara Willox, Ph.D. University of Central Florida	Mustapha Mouloua, Ph.D. University of Central Florida
	Valentina Ezcurra University of Central Florida	
1300 - 1415	PAPER SESSION IV: AI & Adaptive Learning in	Training Systems
	TRAINING & EDUCATION	
1300 - 1325	5 Cognitive Task Analysis in the Age of Al	
	Jessica M. Johnson, Ph.D. Old Dominion University	
1325 - 1350	Optimizing Learning with AI: Individual and Organi	zational Benefits
	Amy Smith, Ph.D. Blank Slate Technologies	
1350 - 1415	Retrofitting Simulation Systems with Adaptive Learning to Personalize Training	
	Thomas Lenz Dignitas Technologies	Michael Cambata Dignitas Technologies
1415 - 1430	NETWORKING BREAK & DEDICATED EXHIBIT TH GRANBY BALLROOM FOYER	ME

1430 - 1600 SPECIAL EVENT: Peering Over The Horizon – How Immersive, Spatial and AI Technologies Are on the Brink of Reshaping Industrial Production

GRANBY BALLROOMS ABCD

From drug development through agriculture and ship building, immersive, spatial and AI technologies are helping accelerate new discoveries and fundamentally changing the way companies are building, deploying, and marketing their products. This panel will explore how these technologies are used today, and the strategies teams are using to overcome the technological and institutional challenges that threaten adoption. The impact of technologies such as the next generation of wearable AR glasses, neurosymbolic AI and the use of digital twins will be discussed. Attendees will leave with a clear understanding of how these technologies are changing development at Fortune 50 companies and how these lessons can be leveraged at their own organizations.

MODERATOR

Claire Hughes

Portfolio Manager, Design Interactive, Inc.

Adam Clinkenbeard

Title TBD, Thermo Fisher Scientific

1600

CLOSING REMARKS & ADJOURN GRANBY BALLROOMS ABCD

Claire Hughes

2025 Conference Chair, Design Interactive, Inc.

Vance Souders

2026 Conference Chair

Colleen Graham

Chief of AI & Innovation, Newport News Shipbuilding

