

# Congressional M&S Leadership Summit 2024

**Fortifying Our Nation: Harnessing M&S, Generative AI  
and Advanced Tech to Safeguard Our Infrastructure**

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12 February 2024 | Sheraton Norfolk Waterside Hotel  
Norfolk, VA | [NTSA.org/MSSummit](https://NTSA.org/MSSummit)

# Contents

Agenda .....	3
Floorplan .....	5
Biographies .....	6
M&S Caucus Members .....	13
Sponsors & Exhibitors .....	14



## Who We Are

The National Training & Simulation Association (NTSA) provides the training, simulation, related support systems and training services industries a focused, formal organization to represent and promote their business interests in the market place. NTSA provides a forum to communicate the full capability and broad characteristics of all the elements of training systems and services to include associated support services. NTSA as is an affiliate of National Defense Industrial Association (NDIA). NDIA is America's trusted leader in defense and national security associations.



The Modeling & Simulation Leadership Summit is an event sponsored by the National Training and Simulation Association (NTSA) in support of the Modeling and Simulation Congressional Caucus. The purpose of the event is to bring the M&S Community of Practice together to discuss important issues related to Modeling and Simulation, and to try to reach consensus on one or two specific, actionable initiatives for the Congressional M&S Caucus to take for action.

The M&S Congressional Caucus 2024 Leadership Summit will focus on minimizing our nation's vulnerabilities by maximizing the application of modeling, simulation (M&S), generative artificial intelligence (generative AI), and other advanced

technologies. Speakers will discuss our nation's vulnerabilities relative to our infrastructure (like energy, climate, and disaster management) and our people (such as defense, education, and healthcare), and spotlight initiatives that bring technology to bear to address these vulnerabilities and enhance and secure our nation's resilience. With the input and participation with national experts, the community of practice will discuss ways in which legislation can support the application of these technologies to support our infrastructure and resilience. A report generated from this meeting will be presented to the M&S Congressional Congress with actionable recommendations for legislation in the coming budget cycles.

## Join the Conversation



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- 0730 – 1700 **Registration Open**  
PROMENADE
- 0730 – 0845 **Continental Breakfast & Exhibitor Networking**  
PROMENADE
- 0845 – 0850 **Call To Order**  
YORK HALL  
**Linda Brent, Ed.D.**  
Strategic Planning, National Training & Simulation Association (NTSA), *Chief Executive Officer*,  
The ASTA Group, LLC
- 0850 – 0900 **Opening Remarks**  
YORK HALL  
**Amy Motko**  
Chair, NTSA Executive Committee, Executive Committee and CEO & President, Carley Corporation
- 0900 – 0945 **Congressional Keynote Addresses**  
YORK HALL  
**The Hon. Bobby Scott**  
U.S. Congress, 3rd District, VA  
**The Hon. Jack Bergman**  
U.S. Congress, 1st District, MI
- 0945 – 1000 **Break & Exhibitor Networking**  
PROMENADE
- 1000 – 1030 **Keynote Address**  
YORK HALL  
**The Hon. Dimitri Kusnezov, Ph.D.**  
Under Secretary for Science and Technology, U.S. Department of Homeland Security
- 1030 – 1145 **Panel Discussion – Challenges To Our National Resiliency**  
YORK HALL  
**Amy Henninger, Ph.D.**  
Senior Advisor for Advanced Computing, U.S. Department of Homeland Security, Science & Technology Directorate  
*Moderator & Speaker*  
**Ann Dunkin**  
Chief Information Officer, U.S. Department of Energy  
**Daniel Hetteema**  
Director, Digital Engineering, Office of the Under Secretary of Defense for Engineering & Research  
**Alex Hoover**  
Science & Technology Department Head, National Maritime Intelligence Integration Office  
**Nicholas A. Shufro**  
Deputy Assistant Administrator, Risk Analysis, Planning & Information Directorate Resilience, FEMA

1145 – 1245 **Lunch & Exhibitor Networking**  
MONTICELLO

1245 – 1315 **Keynote Address**  
YORK HALL

**Col Joseph Catalino, Ph.D.**  
Reserve Deputy Command Surgeon, U.S. Transportation Command

1315 – 1445 **Panel Discussion – How Local Communities Fit Into National Planning**  
YORK HALL

**Robert Armstrong**  
Executive Director, Sentara Center for Simulation & Immersive Learning (SCSIL), Eastern Virginia Medical School  
*Moderator*

**Jordan Asher, M.D.**  
Executive Vice President & Chief Clinical Officer, Sentara Healthcare

**Paul Robinson, Ph.D.**  
Executive Director, RISE Resilience Innovations

**Kyle Spencer**  
Chief Resilience Officer, City of Norfolk

**Jessica Whitehead, Ph.D.**  
Executive Director, Institute for Coastal Adaptation & Resilience, Old Dominion University

HOSTED BY:



## 2024 Department of the Air Force **Modeling and Simulation Summit**

### **TRAINING IN A DIGITAL WORLD**

This year's theme, *Training in a Digital World*, highlights the Department of the Air Force's drive to upskill personnel through digital training. The goal of the M&S Summit is to gather Air Force and Space Force M&S experts to learn about new M&S initiatives and techniques, network across military services and with industry experts, and to hear our technological leaders' perspectives on how M&S can transition more training from the real world to digital.

The 2024 DAF M&S Summit will provide a forum for shared information, ideas, and connection of M&S professionals across the DoD, industry, academia, and international partners. The three-day summit agenda includes: Eminent Keynote Speakers from Military, Government, and Industry Leaders | Distinguished Panel Discussions and Q&A sessions | Track Session Presentation Focus Areas | VIP Tour for Distinguished Visitors | M&S Industry Exhibition Hall | Classified M&S Briefing Sessions | M&S Tool Overview.

**Register Today!**

7 – 9 May 2024 | San Antonio, TX | [DAFMSS.org](https://www.dafmss.org)

ORGANIZED BY: **NTSA**

1445 – 1500 **Break & Exhibitor Networking**  
PROMENADE

1500 – 1615 **Structured Group Discussion**  
BREAKOUT ROOMS: BRANDON AB, CLAREMONT & EPPINGTON

Discussion Focus for Small Groups:

1. What are the key policy issues that drive national preparedness?
2. What are best practices using M&S that can be replicated?
3. Define objective(s) of a proposed pilot project or legislation based on the building blocks of success.

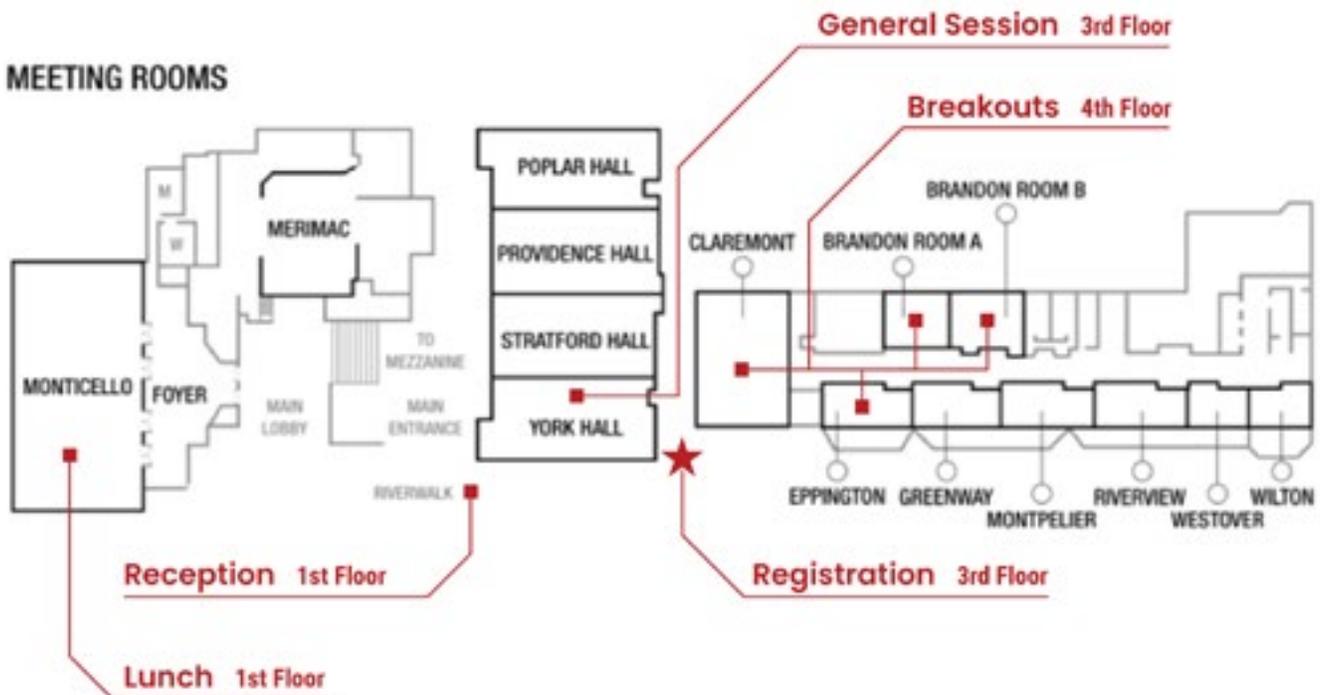
1615 – 1700 **Out Briefs to Group**  
YORK HALL

1700 – 1715 **Closing and the Way Ahead**  
YORK HALL

1715 – 1845 **Reception & Exhibitor Networking**  
PROMENADE

Sponsored By **EVMS**  
Eastern Virginia Medical School

# Floorplan



# Congressional Biographies



## The Hon. Bobby Scott

*Congressman, 3<sup>rd</sup> District, VA*

Congressman Robert C. “Bobby” Scott has represented Virginia’s third congressional district in the U.S.

House of Representatives since 1993. Prior to his service in Congress, he served in the Virginia House of Delegates from 1978 to 1983 and in the Senate of Virginia from 1983 to 1993.

During his tenure in the Virginia General Assembly, Congressman Scott successfully sponsored laws critical to Virginians in education, employment, health care, social services, economic development, crime prevention and consumer protection. His legislative successes in the General Assembly included laws that increased Virginia’s minimum wage, created the Governor’s Employment and Training Council and improved health care benefits for women, infants, and children.

His 1992 election to Congress gave Congressman Scott the distinction of being the first African-American elected to Congress from Virginia since John Mercer Langston’s election more than 100 years earlier during the Reconstruction era. Having a maternal grandfather of Filipino ancestry also gives him the distinction of being the first American with Filipino ancestry to serve as a voting member of Congress.

In the 118th Congress, Congressman Scott serves as the Ranking Member of the Committee on Education and the Workforce—his fifth term as the Committee’s Democratic leader. Throughout his tenure, he has advanced legislation that improves equity in education, frees students from

the burdens of debt, protects and expands access to affordable health care, ensures workers have a safe workplace where they can earn a living wage free from discrimination, and guarantees seniors have a secure and dignified retirement. Congressman Scott also serves on the Committee on the Budget where he is a leading voice on fiscal policy.

During the 116th and 117th Congresses (2019-2023), Congressman Scott served as Chairman of what was then called the Committee on Education and Labor. As Chairman, Congressman Scott spearheaded critical parts of Congress’ response to the COVID-19 pandemic. Through several COVID-19 packages—including the American Rescue Plan Act—Congressman Scott’s efforts saved the pensions of over one million workers and retirees; reduced the number of uninsured Americans to record lows; significantly reduced child hunger across the nation; and delivered the single largest investment to K-12 schools in U.S. history to help schools reopen safely and make up for lost learning time. Notably, Congressman Scott has championed several other landmark bills in the House of Representatives—including the Every Student Succeeds Act, the Raise the Wage Act, the Protecting the Right to Organize Act, the Equity Inclusion and Enforcement Act, and the Juvenile Justice Reform Act of 2017, which included key components of Congressman Scott’s Youth PROMISE Act.

Congressman Scott has also served on the Committee on the Judiciary, and he remains a leading voice in Congress on the Constitution and reforming our nation’s criminal justice system.

During his tenure as Chairman and Ranking Member of the Committee on the Judiciary’s Subcommittee on Crime, Terrorism and Homeland Security, Congressman Scott authored several bills to improve and reform our nation’s criminal justice system. He sponsored the Death in Custody Reporting Act, which enhances transparency and accountability for law enforcement by requiring state and local law enforcement agencies to report to the U.S. Department of Justice data on how many individuals die annually in custody or during arrest. In 2010, Congressman Scott successfully led efforts in the House to pass the Fair Sentencing Act, one of the first successful reductions in a federal mandatory minimum sentence in decades that reduced the unfair sentencing disparity between crack and powder cocaine. In 2015, he worked across the aisle to sponsor the Safe, Accountable, Fair, and Effective (SAFE) Justice Act, of which several important provisions were included in the bipartisan First Step Act signed into law by President Trump in 2018.

Congressman Scott is a graduate of Harvard College and Boston College Law School. After graduating from law school, he practiced law from 1973 to 1991. As a young attorney, he founded the Peninsula Legal Aid Center to assist those who could not afford legal representation, and served as one of the youngest branch presidents of the Newport News NAACP. He received an honorable discharge for his service in the Massachusetts National Guard and the United States Army Reserve.



## The Hon. Jack Bergman

*Congressman, 1<sup>st</sup> District, MI*

Growing up in the Midwest, Jack Bergman's parents instilled in him the values that drive the

American Dream: If you work hard, never quit, and strive for excellence, you will find success. Those values are what guided him to the rank of Lt. General in the United States Marine Corps, empowered him to successfully own and operate a small business, and allowed him to enjoy a 22-year career as a commercial airline pilot.

Jack proudly represents the First District of Michigan. The boundaries contain the entire Upper Peninsula and all of northern lower Peninsula. Altogether, the district makes up about 44% of the land mass of the state of Michigan. The Bergman family roots in Michigan's Upper Peninsula stretch back to the late 1800's where his ancestors worked

as iron miners. Serving his country in uniform for 40 years, Jack has spent time all around the United States – and world. Nearly three decades ago, Jack and his wife Cindy settled in Watersmeet, on the western edge of Michigan's beautiful Upper Peninsula.

Jack is a grandfather to ten grandchildren. This has always been one of the largest factors in his service in Congress. When Jack sees what is happening in Washington, he knows that we are not doing our best at leaving our children and grandchildren a better place. From his business to his distinguished military career, and now in Congress - Jack Bergman does not accept the status-quo as an acceptable path forward. Jack is driven by his commitment to serving others. While in the military, he launched two successful startup businesses in the medical equipment field, maintaining an obligation to both his nation

and his customers simultaneously. As an entrepreneurial leader focused on mission accomplishment and customer satisfaction, Jack knows how to get things done.

Hard work and commitment made the United States the most exceptional nation in the world. Those are the principles that have guided Jack's life, and are the principles that he is bringing to Washington. He believes what most Michiganders believe: Americans know how to live their lives better than politicians or bureaucrats do. Jack's life has been dedicated to service and defending the Constitution. He is the highest ranking combat Veteran to have ever served in the U.S. House. He is shaking up the status quo in both Congress and will continue defending the United States from those who want to weaken it, both domestically and abroad.



# WHERE DO YOU STAND IN THE M&S COMMUNITY?

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*Requirements include meeting the education and work experience criteria, professional letters of recommendation, and successful completion of an online examination.*

# NTSA Leadership Biographies



## **Debbie Langelier, CEM**

*Vice President, National Training & Simulation Association (NTSA)*

Debbie Langelier is Vice President of the National Training and Simulation Association (NTSA), a nonprofit organization in Arlington, VA. Langelier oversees management of all NTSA staff and operations including membership, marketing, and events. She initiated and is responsible for maintaining a high-level security program both for NTSA and I/ITSEC.

Langelier joined NTSA in 2004 and was previously Assistant Vice President. She previously held the title of Director of Exhibits & Sponsorships, a role in which she is credited for a growth rate of more than 30 percent. In this role, she was responsible for exhibits, sponsorships, and marketing for six events, including the Interservice/Industry Training, Simulation and Education Conference (I/ITSEC), the largest training and simulation event of its kind in the world. Her expertise in marketing has let her push toward the future with a year-round digital presence.

Langelier is a Certified Exhibit Manager and has worked in the field for over 30 years. With her background of more than a decade in customer service, creative service, and association sales management, Langelier knows what truly drives the non-profit sector and trade show industry. She knows that her talent in connecting people to people is one of the most important achievements in all organizations of which she has been a part of.



## **Amy Motko**

*Chair, National Training & Simulation Association (NTSA) Executive Committee and CEO & President, Carley Corporation*

Amy Motko is the CEO & President of Carley Corporation headquartered in Orlando, FL. She is a skilled Systems/Software Engineer and Program Manager with over thirty years' experience in a variety of maintenance/operational training systems, modeling and simulation systems, and instructional design systems for the Air Force, Navy, Army, Marine Corps, and various Government agencies.

Motko has worked in the Space/Defense Industry as a Payload Support Engineer, Systems/Software Engineer, Program

Manager, Director of Advanced Programs for Training Systems, and Vice President of Program Management. After serving as Carley Corporation's Chief Operating Officer for six years, she was promoted to President in February of 2019, and CEO in November 2021. Leading the company from \$11M in revenue to over \$45M, she also transitioned the company from private ownership to a very successful ESOP in 2019.

Motko's professional affiliations include currently serving as Chair on the National Training and Simulation Association Executive Committee, an officer on the National Center for Simulation Board of

Directors, Past President (2011-2012) and member of the National Defense Industrial Association Central Florida Chapter, Association of the United States Army Sunshine Chapter, Central Florida AAAA, and Central Florida Navy League. She also held the prestigious positions of I/ITSEC Conference Chair in 2012 and I/ITSEC Program Chair in 2010. Ms. Motko holds a Bachelor of Science degree in computer engineering from the University of Central Florida and is a Leadership Orlando Class of 1981 graduate.



## **Linda Brent, Ed.D.**

*Strategic Planning, National Training & Simulation Association (NTSA), Chief Executive Officer, The ASTA Group, LLC*

Dr. Linda Brent has developed, established, and operated government-oriented businesses for the past 25 years. She manages a staff of senior professionals engaged in all aspects of business conduct with existing and emerging DoD-focused businesses. Dr. Brent also provides support to the National Training and Simulation Association (NTSA) for Strategic Planning, the I/ITSEC Conference Committee, liaison and support to the Modeling and Simulation Congressional Caucus, and Chair of the national committee for Science,

Technology, Engineering and Mathematics (STEM) activities. She and her organization provide national, regional, and local support for initiatives around the nation on the improvement of education for our nation's children and youth. Dr. Brent brings 25 years of experience in both the defense industry and other government agencies, has made numerous presentations at state, national and international conferences, and has conducted research and published papers in the areas of training, simulation, and psychology. Additionally, she is actively involved in numerous national and international professional organizations

supporting the defense and educational solutions industry. She has held faculty and research positions at several leading universities and colleges, teaching courses in research design, human learning, training design, and human factors. She also has been a research associate for the U.S. Air Force in neural networking and adult learning/task management. Dr. Brent earned a BA and MS degree in Education/Psychology from Wittenberg University and Nazareth College of Rochester, respectively, and her Ed.D. from the University of Rochester.

# Keynote Biographies



## The Hon. Dimitri Kusnezov, Ph.D.

*Under Secretary for Science and Technology, U.S. Department of Homeland Security*

Dr. Dimitri Kusnezov was confirmed as the Under Secretary for the Science and Technology

Directorate (S&T) on September 8, 2022. As the science advisor to the Homeland Security Secretary, Dr. Kusnezov heads the research, development, innovation and testing and evaluation activities in support of the Department of Homeland Security's (DHS) operational Components and first responders across the nation. S&T is responsible for identifying operational gaps, conceptualizing art-of-the-possible solutions, and delivering operational results that improve the security and resilience of the nation.

Prior to DHS, Dr. Kusnezov was a theoretical physicist working at the U.S. Department of Energy (DOE) focusing on emerging

technologies. He served in numerous positions, including the Deputy Under Secretary for Artificial Intelligence (AI) & Technology where he led efforts to drive AI innovation and bring it into DOE missions, business and operations, including through the creation of a new AI Office.

Dr. Kusnezov has served in scientific and national security positions, including Senior Advisor to the Secretary of Energy, Chief Scientist for the National Nuclear Security Administration, Director of Advanced Simulation and Computing and the Director of the multi-billion-dollar National Security Science, Technology and Engineering programs. He created numerous programs, including for Minority Serving Institutions, international partners, private sector and philanthropic entities. He has worked across agencies to deliver major milestones such

as DOE's 10-year grand challenge for a 100 Teraflop supercomputer, and first of their kind and world's fastest supercomputers.

Prior to DOE and his pursuit of public service, Dr. Kusnezov had a long career in academia where he published more than 100 articles and edited two books. He joined Yale University faculty where he was a professor for more than a decade in Theoretical Physics and served as a visiting professor at numerous universities around the world. Before this post, Dr. Kusnezov did a brief postdoc and was an instructor at Michigan State University, following a year of research at the Institut fur Kernphysik, KFA-Julich, in Germany. He earned his MS in Physics and Ph.D. in Theoretical Nuclear Physics at Princeton University and received Bachelor of Arts degrees in physics and in pure mathematics with highest honors from UC Berkeley.



## Col Joseph Catalino, Ph.D.

*Reserve Deputy Command Surgeon, U.S. Transportation Command*

Col Joseph Catalino is the Reserve Deputy Command Surgeon, United States Transportation

Command, and Joint Transportation Reserve Unit SG Director leading 43-person joint team providing expeditious patient movement supporting all combatant commands, preparing staff for global deployment to support contingency operations. He provides operational support to DoD's 24/7/365-day worldwide patient movement for inter-theater movement of 25,000+ beneficiaries.

Col Catalino commanded the 439th Aeromedical Evacuation Squadron, 439th Airlift Wing, Westover Air Reserve Base,

and the 919th Special Operations Medical Squadron, Duke Field, FL. Col Catalino led the 439 AES to "#1 in Air Force Reserve Command - 2021" and the 919 SOMDS to "#1 in Air Force Reserve Command - 2020."

Col Catalino commissioned as a Medical Service Corps (MSC) officer in 2005 after 14 years enlisted service. As a non-commissioned officer, he served as a flight-med and crewed over 100 operational aeromedical evacuation missions including numerous combat sorties during Operations Enduring Freedom and Iraqi Freedom where he provided care to numerous combat casualties. He was recognized for his management of a highly sensitive prisoner of war mission in Iraq.

Prior to his command positions, he served as the Individualized Mobilization Augmentee (IMA) to the Command Administrator, Office of the Command Surgeon, Air Force Global Strike Command; was the first Director of Operations for the 34th Aeromedical Evacuation Squadron; the Director of Programs for the 94th Aeromedical Staging Squadron; and was Deputy Administrator for the 514th Aerospace Medicine and Dental Squadron. Additionally, Col Catalino has performed staff tours at U.S. Central Command, U.S. Southern Command, and U.S. Northern Command.

# Speaker Biographies



## Amy Henninger, Ph.D.

*Senior Advisor for Advanced Computing, U.S. Department of Homeland Security, Science & Technology Directorate*

Dr. Amy Henninger serves as Senior Advisor for Advanced Computing (AC)

in the Department of Homeland Security (DHS) S&T Technology Centers, providing strategic vision and leadership to programs and policy makers in Artificial Intelligence (AI), Cybersecurity, Data Analytics, Modeling and Simulation (M&S), and Quantum Information Science.

Prior to joining DHS, Dr. Henninger's work traversed the private/public defense sector space. In the public sector, she has served in several special term appointment technology leadership positions in the DoD and IC that, cumulatively, span the RDT&E space.

Interagency personnel appointment to the Office of the Under Secretary of Defense for Research and Engineering, leading digital engineering and standards portfolio for systems engineering.

Highly Qualified Expert (HQE) Army M&S Executive, providing vision, leadership, and oversight for a \$10B M&S portfolio; and advising the Army's Senior Analyst on studies supporting operational requirements analyses.

Defense Intelligence Senior Leader Defense Intelligence Agency (DIA) Senior Advisor, leading the development of the Agency's Digital Transformation Strategy.

HQE Senior Advisor for Software and Cybersecurity, serving as the Pentagon's final technical authority in the assessment of software and cybersecurity T&E on major DoD programs for the Director, Operational T&E. She has over 200 hours training with NSA Cyber Red Teams.

In the private sector, she served at a federally funded research and development center, leading a variety of strategic technology initiatives including the development of a software assurance

primer promulgated by CISA and NSA as recommended reading. Dr. Henninger's other private sector experience includes founding a P&L center of Soar Technology, Inc., a tech startup focused on third-wave context-informed AI solutions that grew out of the AI Laboratory at the University of Michigan. Over her tenure, Dr. Henninger led research teams sponsored by DARPA and other Defense agencies, growing the office by 400%. Her private sector experience also includes co-leading the development of a distributed virtual training system used to train over 1.5M soldiers.

Dr. Henninger earned a Ph.D. in Computer Engineering with emphasis and dissertation work in AI. She has taught undergraduate classes in computer science and graduate classes in AI, authored over 80 publications, and received multiple awards for her work.



## Ann Dunkin

*Chief Information Officer, U.S. Department of Energy*

Ann Dunkin is currently the Chief Information Officer of the U.S. Department of Energy. Before

joining DOE, she was Chief Strategy and Innovation Officer for State and Local Government at Dell. Prior to joining Dell, Ms. Dunkin was the CIO for the County

of Santa Clara. Ms. Dunkin also served in the Obama Administration as the Chief Information Officer of the United States Environmental Protection Agency and as Chief Technology Officer for the Palo Alto Unified School District. She also held a variety of leadership at Hewlett Packard. Ms. Dunkin is a published author, most recently of the book *Industrial Digital Transformation*,

and sought-after speaker on the topics of technology modernization, digital services, and organizational transformation. Ms. Dunkin holds an M.S. and a B.S. in Industrial Engineering, both from the Georgia Institute of Technology. She is a licensed professional engineer in California and Washington.



## Daniel Hettema

*Director, Digital Engineering, Office of the Under Secretary of Defense for Engineering and Research*

Daniel Hettema is the Director of Digital Engineering, Modeling and Simulation within the Office of the

Under Secretary of Defense for Research and Engineering. In his role, he oversees DoD-wide strategy & policy and promotes best practices for the advancement of digital tools and techniques across the lifecycle.

Under his leadership, participation has doubled in the Community of Practice, visits to the Digital Engineering Body of Knowledge (DEBoK) have increased 30-fold, and the first-of-its-kind of DoD and Government Agency interactive collaboration event has been established.

Hettema brings extensive experience in both industry and government. In addition to the DoD, Daniel has supported both the DOE and IC.

He has held leadership roles in multiple professional organizations, holds a BS in systems engineering from George Mason University, a MS in space systems engineering from Johns Hopkins University, is an INCOSE Certified Systems Engineering Professional, and is a level four SysML modeler.

His enthusiasm for all aspects of digital engineering, modeling and simulation ensures audiences have a memorable experience.



## Alex Hoover

*Science and Technology Department Head, National Maritime Intelligence Integration Office*

Alex Hoover currently serves on a Joint Duty Assignment at the National Maritime Intelligence Integration Office (NMIO) as the Science and Technology Department Head where he is responsible for the advancement of use of emerging and underused technologies in support of Maritime Domain Awareness (MDA) as well as the defense against the threat from the use of emerging and disruptive technologies against the MDA mission.

He comes from a job as the Associate Director for Physical and Cyber Security Engineering in the Office of Science and

Engineering's (OSE) Systems Engineering and Standards Division (SESD) where he served in several roles supporting the DHS CIO, CISO, Undersecretary for Management, and Joint Requirements Council. Hoover provides strategic and policy support, oversight, direct technical work, and training and education across the enterprise and the DoD, NIST, and other government partners. In this capacity, he completed an Embassy Science Fellowship in Seoul, Korea, working for the U.S. Embassy on multinational science and technology policy and coordinating collaborative activities.

Previously, he served as a Test Area Manager for the Cybersecurity and Homeland Security Enterprise Systems

Deputy Directorate within the Office of Test and Evaluation (OTE) in the Science and Technology Directorate (S&T) of the Department of Homeland Security (DHS).

Prior to coming to DHS, Hoover was a civil servant in the Navy as a Systems Engineer for Combat Direction Systems Activity, Dam Neck, VA. He supported fleet cybersecurity analyses and served as an Operational Test Director. He was commissioned as a Surface Warfare Officer in the United States Navy in 1991, where he served in the Combat Logistics and Cruiser Destroyer Fleets on a number of assignments ranging from nuclear weapons security to Acquisition policy and support.



## Nicholas (Nick) A. Shufro

*Deputy Assistant Administrator, Risk Analysis, Planning & Information Directorate Resilience, FEMA*

Directorate (RMD) in the Federal Insurance & Mitigation Administration (FIMA).

In his capacity as the Deputy Assistant Administrator for RMD, Shufro is responsible for supporting RMD's aspiration to "build a world class organization by focusing on customer satisfaction and empowering people to drive action together." RMD's priorities include: producing flood hazard and risk data, assessing and translating risk information into action for multiple perils, and communicating risk and providing incentives to drive mitigation action for multiple perils. RMD's program portfolio includes: RiskMAP, the National Dam Safety Program, the National Earthquake Hazards

Nick Shufro currently serves as Deputy Assistant Administrator for the Risk Management

Reduction Program, the National Windstorm Impact Reduction Program, the National Building Science Program, and Hazard Mitigation Planning.

Shufro was appointed to the Senior Executive Service in September 2016 and previously served as Chief Learning Officer (CLO) in FEMA's Office of the Chief Component Human Capital Officer where he focused on Training, Education, and Professional Development (TEP) initiatives for FEMA employees, including leading Onboarding and Orientation and delivery of Mandatory, Supervisory, Management, and Leadership training (2018-2020) and as Assistant Administrator, RMD, FIMA (2016-2018). Prior to joining federal service, Shufro worked at PwC, the US Asia Environmental Partnership, United Technologies Corporation and Merrill Lynch & Co. Inc.

Shufro has more than 35 years of energy, financial, adaptation, resilience, environmental health and safety management, and performance reporting experience, working and consulting for industry, government, utilities, trade associations, and non-governmental agencies in the U.S., Latin America, Europe, and Asia.

Shufro is a graduate of The University of Michigan (Bachelor of Arts in Honors History), New York University's Stern School of Business Administration, and L'Ecole des Hautes Etudes Commerciales (Masters of Business Administration in Finance & International Business) and the Yale School of Environmental Studies (Masters of Environmental Management in Industrial Environmental Management).



## Robert Armstrong

*Executive Director, Sentara Center for Simulation and Immersive Learning (SCSIL), Eastern Virginia Medical School*

Bob Armstrong is Executive Director of the Sentara Center for Simulation and Immersive Learning at Eastern Virginia Medical School in Norfolk, VA, where he leads the 24 full-time and 115+ part-time workforce, including staff, educators,

technicians, and standardized patients. Armstrong is also the Director of Corporate Relations, focused on creating commercial outlets for EVMS generated research, development, and services. He was elected President of the Society for Simulation in Healthcare for 2020. He currently serves the Society as Chair of the Advocacy Task

Force and has been extensively involved in healthcare simulation advocacy efforts at the local, state, regional, and international levels. He is a graduate of Annapolis and the Naval Postgraduate School, and a retired Marine Corps Lieutenant Colonel.



## Jordan Asher, M.D.

*Executive Vice President and Chief Clinical Officer, Sentara Healthcare*

Dr. Jordan Asher is Executive Vice President and Chief Clinical Officer at Sentara Health. His role concentrates on creating high quality, equitable, and innovative models of care delivery as well as providing national thought leadership directed towards the future of health care.

Dr. Asher is dedicated to championing population health, quality, fostering clinical effectiveness, and further cultivating a culture of excellence in the delivery of clinical services across the continuum of care that serves both individuals and communities on their journey of health and

wellness. He oversees system-wide Clinical Quality and Safety, Clinical Effectiveness, the Clinical Integrated Networks (Sentara Quality Care Network and Sentara Accountable Care Organization), the High-Performance Design process, Health Equity and clinical cultural competency, Nursing, Academic relationships and residency training, Innovation, Research, and Clinical Performance Improvement initiatives.

Before joining Sentara Health, Jordan served as Chief Clinical Officer for Ascension Care Management (ACM), a subsidiary of Ascension that focused on population health strategies and value-based care/payment models. Prior to ACM, Jordan was Physician Executive for Saint Thomas Health in

Nashville, where he led the implementation and design of physician alignment strategies. In addition, Dr. Asher served as the Assistant Dean for the Nashville campus at the University of Tennessee Health Sciences Center. In this role, he forged a partnership between Saint Thomas Health and the university to establish graduate medical residency programs in several areas including internal medicine, ob/gyn, family medicine, general surgery, and emergency medicine. He also served as Medical Director for a large private practice, incorporating multiple specialties while practicing internal medicine specializing in hypertension.



## Paul Robinson, Ph.D.

*Executive Director, RISE Resilience Innovations*

Dr. Paul Robinson is the Executive Director of RISE, a new nonprofit organization formed as part of the Commonwealth's application for the National Disaster Resilience Competition. The goal of the organization is to encourage private sector innovation in response to sea level rise by facilitating collaboration between businesses and local governments.

Robinson also serves as Senior Advisor of the Government and Aerospace sectors at Focus Investment Banking, where he specializes in energy Production &

Distribution, Government, Aerospace & Defense, Healthcare and Life Sciences, Information Technology, among others.

An innovator and community leader, Robinson also serves as the President and CEO, AeroTech Research, and is the Chairman and CEO of TDAS, the commercialization entity for AeroTech's Turbulence Detection and Avoidance Systems. TDAS provides licensing and engineering support for all systems, operations, and maintenance products. Prior to this, Robinson served as Principal

Engineer, Lockheed Martin Aeronautics/ NASA, and was also the Chairman of the U.S. Foundation for ISU.

Robinson holds eight patents for his innovations, including the wake vortex detection and reporting system; transmission, receipt, combination, sorting, reporting, and presentation of vehicle specific environmental conditions and hazards information utilizing a ground station; and thermal anemometer aircraft airspeed gust component transducer, among others. Robinson also won a National Disaster Resilience Competition grant for his initiative, RISE.



### Kyle Spencer

*Chief Resilience Officer, City of Norfolk*

Kyle Spencer has been the City of Norfolk's Chief Resilience Officer for the past two years and served as the Deputy Resilience Officer prior to this role since 2018. He has spent the last 15 years working to make Norfolk a more resilient city both as a consultant

and as a technology leader with the city prior to working in the Resilience Office. Spencer's primary focus is implementing the City's Resilience Strategy by managing complex water management, environmental, urban planning, and smart cities projects. While with the City, Spencer has been collaborating with regional partners on resilience innovations to support research

projects with universities and developing business solutions in the resilience sector by turning Norfolk into a coastal community laboratory. His work in resilience has been featured in the Wall Street Journal, Washington Post, on NPR's Market Place, and the Weather Channel. Spencer is a certified GIS Professional, and Certified Floodplain Manager.



### Jessica Whitehead, Ph.D.

*Executive Director, Institute for Coastal Adaptation and Resilience, Old Dominion University*

Dr. Jessica Whitehead is the Joan P. Brock Endowed Executive Director of the Institute for Coastal Adaptation and Resilience (ICAR) at Old Dominion University. A nationally recognized expert in climate adaptation and using climate information for resilience policy, Dr. Whitehead served the U.S. Global Change Research Program as the chapter lead author for the Northeast

Chapter of the Fifth U.S. National Climate Assessment, released in November 2023. Within the Commonwealth, she is a member of the Virginia Coastal Resilience Technical Advisory Committee. Previously, Dr. Whitehead was the first state Chief Resilience Officer for North Carolina, based in the NC Office of Recovery and Resiliency, and the first coastal climate extension specialist with NC Sea Grant, the South Carolina Sea Grant Consortium, and the Carolinas Integrated Sciences and

Assessments (CISA) Program. She earned her Doctor of Philosophy in geography and Master of Science in meteorology from The Pennsylvania State University and a Bachelor of Science in physics with a concentration in meteorology from the College of Charleston. Her work helping coastal communities in the Carolinas adapt to climate change has been featured in podcasts, books, newspapers, television, and public radio, including the Washington Post, the New York Times, and The Weather Channel.

# M&S Caucus Members

<b>Bobby Scott*</b> 3rd District, Virginia	<b>Gus Bilirakis</b> 12th District, Florida	<b>Jenn Kiggans</b> 2nd District, Virginia	<b>Darren Soto</b> 9th District, Florida
<b>Jack Bergman*</b> 1st District, Michigan	<b>Vern Buchanan</b> 16th District, Florida	<b>Doug Lamborn</b> 5th District, Colorado	<b>Michael Turner</b> 10th District, Ohio
<b>John Rutherford*</b> 4th District, Florida	<b>Ken Calvert</b> 42nd District, California	<b>Scott Peters</b> 52nd District, California	<b>Joe Wilson</b> 2nd District, South Carolina
<b>Eric Sorensen*</b> 17th District, Illinois	<b>Virginia Foxx</b> 5th District, North Carolina	<b>Bill Posey</b> 8th District, Florida	<b>Robert Wittman</b> 1st District, Virginia
<b>Robert Aderholt</b> 4th District, Alabama	<b>Brett Guthrie</b> 2nd District, Kentucky	<b>C.A. Dutch Ruppersberger</b> 2nd District, Maryland	

\* Denotes Caucus Co-Chair

# Sponsors & Exhibitors



## EVMS

Located in Norfolk, Eastern Virginia Medical School is an academic health center dedicated to achieving excellence in medical and health professions education, research, and patient care. Adhering to the highest ethical standards, we will strive to improve the health of our community and to be recognized as a national center of intellectual and clinical strength in medicine and Health Professions.



## ZEROEYES

ZeroEyes delivers a proactive A.I. gun detection solution that integrates into existing digital security cameras to stop mass shootings by reducing response times, providing situational awareness and delivering clarity to first responders – ultimately saving lives. It's been awarded the SAFETY Act Designation from the Department of Homeland Security.



## VMASC

The Virginia Modeling, Analysis, and Simulation Center (VMASC), established in 1997, is a multidisciplinary secure applied research facility of Old Dominion University, located in Suffolk, VA, which has recently evolved into an Applied Research Innovation Center. VMASC has expanded its scope beyond addressing defense and national security issues and has diversified into areas such as medical modeling, transportation, maritime, cybersecurity, autonomy, STEM education & more. VMASC is continuing to broaden its focus to encompass mission and systems integration, as well as research in education and training focused on advanced technologies. With a team of over 100 research faculty and staff, VMASC supports ODU's research mission through innovation and workforce development, while pioneering the integration of digital technologies into everyday practice through digital transformation.

### Discover the many benefits of NTSA corporate membership

Corporate members of NTSA receive early space selection and discounts on exhibits space at I/ITSEC. Whether you are a large or small company, there is an NTSA membership option for you.

### Corporate Membership Options

#### Sustaining

- \$5,000 in dues
- First choice of booth space (during I/ITSEC)
- 10% discount on booth space for I/ITSEC (Maximum discount = \$5,000)
- Seat on Executive Committee and Invitation to M&S Awards Dinner
- Additional exposure at I/ITSEC

#### Regular

- \$1,250 to \$3,750 in dues (depending on # of employees involved in training and/or M&S)
- Second round of booth space selection (in early to mid-February)
- 5% discount on booth space for I/ITSEC (Maximum discount = dues amount paid)

#### Associate

- \$500 in dues; designed for smaller companies
- Third round of booth space selection (in late February)
- No discount on booth space for I/ITSEC

### All corporate members of NTSA receive these core benefits:

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Visit [NTSA.org/Membership](http://NTSA.org/Membership), Contact Carol Dwyer At [Cdwyer@NTSA.org](mailto:Cdwyer@NTSA.org)





# NTSA 2024 EVENTS



The National Training and Simulation Association brings government, academia, and industry together to develop new training and simulation solutions. By organizing a variety of industry forums and association-sponsored events, NTSA provides the Modeling & Simulation community with a means of communicating the full capabilities and characteristics of training systems and mission planning while promoting their business interests in the marketplace.

## **Congressional M&S Leadership Summit | 12 February | Norfolk, VA**

This summit brings the modeling and simulation community together to discuss important M&S issues that are then relayed to the Congressional M&S Caucus to take action.



## **IT<sup>2</sup>EC | 9 – 11 April | ExCeL London**

Held in different European locations, this conference presents a unique overview of the industry's latest innovations as well as the opportunity to discuss developments and exchange ideas about future requirement for military training, education, and simulation.

## **Simulation & Training Community Forum | 24 April | Dayton, OH**

STCF features program updates from various branches of the AFLCMC Simulators Program Office.



## **DAF M&S Summit | 7 – 9 May | San Antonio, TX**

The goal of the M&S Summit is to gather Air Force and Space Force M&S experts to learn about new M&S initiatives and techniques, network across military services and with industry experts, and to hear our technological leaders' perspectives on how M&S can transition more training from the real world to digital.

## **MODSIM World | 20 – 22 May | Norfolk, VA**

This multi-disciplinary conference enables the exchange of modeling and simulation knowledge, research, and technology.

## **Training & Simulation Industry Symposium | 12 – 13 June | Orlando, FL**

TSIS gives industry the opportunity to network and interact with procurement officials for training and simulation products and services from the Army, Marine Corps, Navy, and Air Force.



## **Capitol Hill Modeling & Simulation Expo | July | Washington, DC**

Modeling and simulation demonstrations from around the country are brought to the nation's capital at this expo.

## **Interservice/Industry Training, Simulation and Education Conference | 2 – 6 December | Orlando, FL**

I/ITSEC is the world's largest modeling, simulation, and training show and consists of peer-reviewed paper presentations, tutorials, special events, professional workshops, STEM events, cyber pavilion, a serious games competition, and a commercial exhibit hall with over 550 exhibitors.

## **NTSA Webinar Series**

These complimentary webinars cover a vast range of topics of importance to the modeling and simulation community.



## **Tech Grove Connect Webinar Series**

Held in partnership with the Central Florida Tech Bridge and hosted by NTSA, Tech Grove Connect is an interactive opportunity to explore hot training topics from defense industry partners and Navy experts.

FOR MORE INFORMATION, VISIT [NTSA.ORG](https://www.ntsaa.org)

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