NTSA | NATIONAL TRAINING & SIMULATION ASSOCIATION

2022

MODELING & SIMULATION

LEADERSHIP SUMMIT

THE METAVERSE: THE FUTURE IS NOW

14 June 2022 | Rosen Centre Hotel | Orlando, FL | NTSA.org/MSSummit

TABLE OF CONTENTS

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NTSA

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.

JUN 14 MODELING & SIMULATION LEADERSHIP SUMMIT — NTSA

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.

Members of the Congressional Modeling & Simulation Caucus will be in attendance, along with other Congressional staffers. Keynotes and panels will discuss the potential policy and legislative impacts of the Metaverse and Augmented Reality/Virtual Reality (AR/VR) along with legislative challenges and proposed policy and legislative support that can be provided.

AGENDA

TUESDAY, 14 JUNE

0700 – 1600   **REGISTRATION OPEN**   Lanyards Sponsored By **I° IMPROBABLE**
REGISTRATION DESK 2

0730 – 0830   **CONTINENTAL BREAKFAST**
GRAND BALLROOM A FOYER

0830 – 0835   **CALL TO ORDER**
GRAND BALLROOMS A/B

Linda Brent, Ed.D.
Strategic Planning, National Training & Simulation Association

0835 – 0845   **OPENING REMARKS**
GRAND BALLROOMS A/B

RADM James A. Robb, USN (Ret.)
President, National Training & Simulation Association

0845 – 0905   **CONGRESSIONAL KEYNOTE ADDRESS(ES)**
GRAND BALLROOMS A/B

The Honorable Bobby Scott
U.S. Congress, 3rd District of Virginia

The Honorable Jack Bergman
U.S. Congress, 1st District of Michigan

The Honorable John Rutherford
U.S. Congress, 4th District of Florida
Invited

0905 – 0935   **KEYNOTE ADDRESS**
GRAND BALLROOMS A/B

Gen James M. "Mike" Holmes, USAF (Ret.)
Board of Advisors, Red 6

0935 – 1000   **NETWORKING BREAK**   Sponsored By **Riiid**
GRAND BALLROOM A FOYER

1000 – 1130 **PANEL DISCUSSION – WHAT IS THE METAVERSE AND WHY DO I CARE?**
GRAND BALLROOMS A/B

Bob Kleinhample, CMSP
Strategic Account Executive, Improbable U.S. Defense & National Security
Moderator

John Cunningham
Head of Government & Aerospace, Unity Technologies

Caitlin Dohrman
General Manager, Improbable U.S. Defense and National Security

Joseph Nolan
Senior Manager, Defense and Public Sector Solutions, ML Horizons (a wholly owned subsidiary of Magic Leap, Inc.)

Tim Woodard
Senior Solutions Architect, NVIDIA

1130 – 1230 **LUNCH**
GRAND BALLROOMS D/E

1230 – 1400 **PANEL DISCUSSION: WHERE CAN I FIND SUCCESS STORIES ABOUT THE METAVERSE AND AR/VR?**
GRAND BALLROOMS A/B

Danny Williams
Technical Account Manager, Epic Games
Moderator

Pamela Boyers, Ph.D.
Associate Vice Chancellor, Clinical Simulation, Assistant Professor of Surgery, University of Nebraska

Sheena Fowler
Vice President of Strategic Engagements / Business Development and Orlando Site Lead, Red 6

Amar Patel
Chief Learning Officer, CAE Healthcare

Joshua Wexler
Co-founder and Chief Executive, Fun of Pure Imagination Studios

1400 – 1425 **NETWORKING BREAK**
GRAND BALLROOM A FOYER

Sponsored By **VIRTUAL HEROES**

1425 – 1540 **STRUCTURED GROUP DISCUSSION**
BREAKOUT ROOMS: GRAND BALLROOMS A/B, SALON 20 & SALON 21

Discussion Focus for Small Groups:
1. What are the key policy issues that will drive the implementation of the metaverse?

2. What are best practices that can be replicated?

3. Privacy; persistent but safe environment for national security.

4. Define objective(s) of a proposed pilot project legislation based on the building blocks of success.
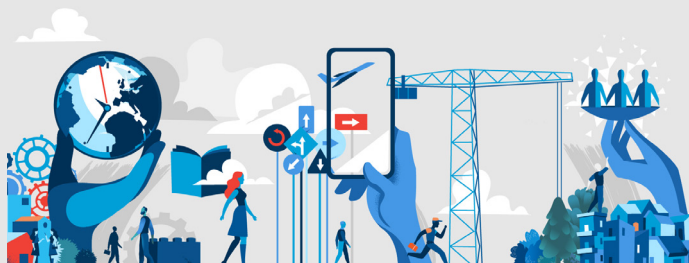
1540 – 1625   **OUT BRIEFS TO GROUP**
GRAND BALLROOMS A/B

1625 – 1640   **CLOSING AND THE WAY AHEAD**
GRAND BALLROOMS A&B

1640 – 1810   **NETWORKING RECEPTION**
GRAND BALLROOM A FOYER

Sponsored By   **SIMX**

16 – 18 August 2022 | Hilton Alexandria Mark Center | Alexandria, VA | ADLiFEST.org

REGISTER NOW

2022 Theme: New Paradigm of Learning: Partner and Prevail

In collaboration with NTSA, the Advanced Distributed Learning (ADL) Initiative is excited to announce iFEST 2022. The iFEST 2022 theme highlights the value of working together to build the DoD's future learning ecosystem. In today's connected world, projects that achieve enterprise-level interoperability and widespread adoption depend on building or attracting partnerships. Join us at iFEST 2022 to explore opportunities across agencies, and with academic, corporate, and international partners.

WHY iFEST?

iFEST is the premier conference on Distributed Learning, bringing together thought leaders, innovators, and senior officials from government, industry, and academia to share the latest challenges, innovations, and opportunities for collaboration. If you have a role or interest in education and training modernization, you'll want to be part of iFEST 2022.

Who Attends?
500+ attendees from military, government, industry, and academia.

Why Attend?
Share the latest challenges and innovations in distributed learning innovation.

NTSA
NATIONAL TRAINING & SIMULATION ASSOCIATION

Federal E-learning Science & Technology
iFEST
innovation • instruction • implementation

CONGRESSIONAL BIOGRAPHIES

THE HONORABLE JACK BERGMAN

Congressman
1st District of Michigan

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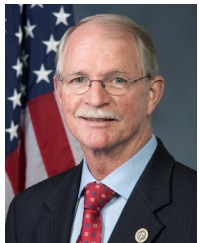
Jack proudly represents the First District of Michigan. The boundaries contain the entire Upper Peninsula and all of northern lower Peninsula. Altogether, the district makes up about 44% of the land mass of the state of Michigan. The Bergman family roots in Michigan's Upper Peninsula stretch back to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

THE HONORABLE JOHN RUTHERFORD

Congressman
4th District of Florida

John Rutherford (FL-04) is serving his third term in the U.S. House of Representatives. He sits on the House Ethics Committee and the House Appropriations Committee where he serves on three subcommittees: Homeland Security, Military Construction and Veterans Affairs, and Transportation and Housing and Urban Development.
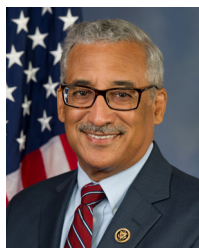
John has lived in Jacksonville, Florida since 1958, and attended Florida Junior College and Florida State University where he studied Criminology. He is a graduate of the FBI National Academy, 171st Session and the National Executive Institute. He began his career in law enforcement in 1974 as a patrolman in the Jacksonville Sheriff's Office, working his way up through the JSO where he eventually served as Director.

In 2003, 2007, and 2011, John was elected Sheriff of Duval County. For three terms and twelve years, John ran a 3,200 employee office, and due to his effective leadership, homicide and overall violent crime in Jacksonville dropped to a 40-year low. Using a model of intelligence-led and community-based policing, John and his team of law enforcement professionals dramatically improved neighborhoods and prevented crime throughout the community. He also made the mental health component of the criminal justice system a priority, reducing the recidivism rates of the mentally ill and facilitating their treatment. John also served as Chair of the Legislative Committee for Florida Sheriff's Association, where he advocated before the legislature for policies that strengthened constitutional rights, supported our law enforcement, and enhanced public safety across the state.

John has been happily married to his wonderful wife Pat for forty-nine years. They enjoy their two children and six grandchildren, and they are also devoted members of Assumption Catholic Church in Jacksonville.

THE HONORABLE BOBBY SCOTT

Congressman
3rd District of Virginia

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 state legislature 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.

Congressman Scott has the distinction of being the first African-American elected to Congress from the Commonwealth of Virginia since Reconstruction and only the second African-American elected to Congress in Virginia's history. 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.

Congressman Scott currently serves as the Chairman of the Committee on Education and Labor. In this capacity, he is advancing an agenda that improves equity in education, frees students from the burdens of crippling 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.

From 2015-2018, he served as the ranking member of what was then called the Committee on Education and the Workforce and developed a strong record of working across the aisle to pass critical legislation. In 2015, he was one of the four primary authors of the Every Student Succeeds Act, which reauthorized the Elementary and Secondary Education Act for the first time in 13 years and replaced the No Child Left Behind Act. Additionally, in 2017, he worked to secure passage of legislation to reform and update our nation's career and technical education system, as well as the juvenile justice system in 2018, which were both signed

into law by President Donald Trump. The latter legislation, the Juvenile Justice Reform Act, contained core tenets of Congressman Scott's Youth Prison Reduction through Opportunities, Mentoring, Intervention, Support, and Education (Youth PROMISE) Act, which he had introduced in every Congress since 2007.

As a part of his effort to provide universal health care for all, prior to the passage of the Affordable Care Act, Congressman Scott sponsored the All Healthy Children Act, which sought to ensure that millions of uninsured children in the United States have access to a comprehensive set of health care services.

Congressman Scott also serves on the Committee on the Budget where he is a leading voice on fiscal policy and reducing the deficit. He was an ardent opponent of the 2001 and 2003 Bush-era tax cuts that were skewed towards the wealthiest Americans and contributed trillions to the national debt. He opposed the 2008 taxpayer-funded bailout of Wall Street, the 2013 Fiscal Cliff deal that permanently extended most of the Bush-era tax cuts, and President Trump's Tax Cuts and Jobs Act of 2017.

NTSA LEADERSHIP BIOGRAPHIES

RADM JAMES A. ROBB, USN (RET.)

President
National Training & Simulation Association (NTSA)

Rear Admiral Jim Robb is the President of The National Training and Simulation Association (NTSA). NTSA is a non-profit corporation that provides a portfolio of events allowing the training, simulation and gaming industries to engage national security markets. NTSA advocates the use of advanced simulation technologies, such as artificial intelligence, virtual reality and serious gaming, to support training, education and analysis. NTSA also runs the largest Training Systems Conference and Exposition in the world (IITSEC.org).

Before assuming his current position, Admiral Robb provided consulting and strategic planning services to large and small businesses in the defense market. He transitioned from the U.S. Navy in 2006, after a 34 year career in Naval Aviation where he deployed nine times across the globe and accumulated over 5,000 hours in the air and survived over 1,000 carrier landings at sea. He is a recognized expert in training and simulation, having spent much of his Navy career instructing in fighter tactics and threat simulations. His notable training tours included flying captured Russian MIG fighters against U.S. forces in the Nevada desert and command of the Navy Fighter Weapons School, also known as TOPGUN. Admiral Robb also commanded a fighter squadron, a carrier air wing and a carrier strike group.

Admiral Robb graduated from Rensselaer Polytechnic Institute with a BS in Mechanical Engineering and from the University of West Florida with a Masters Degree in Aeronautical Systems.

LINDA BRENT, ED.D.

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

Dr. 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 US 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.and colleges, teaching courses in research design, human learning, training design, and human factors. She also has been a research associate for the US 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.

SPEAKER BIOGRAPHIES

PAMELA BOYERS, PH.D.

Associate Vice Chancellor, Clinical Simulation, Assistant Professor of Surgery
University of Nebraska

My professional goals are to advance interprofessional education and collaboration to improve the outcomes of patient care. This includes improving the safety and quality of care given to patients and lowering the costs of health care by using simulated clinical environments to improve the performance of health care providers. I believe in working closely with, small, scientific, innovative businesses, industry collaborators as well the U.S. military in order to contribute to safety and quality outcomes as well as learn from their experiences, thus ensuring best practices related to the application of simulation modeling and technologies to improve the outcomes of training and patient care.

Education

The Ohio State University, Ph.D., Counseling & Education (Minor in Preventive Medicine)

The Ohio State University, M.A., Counseling & Education (Medical Education Emphasis)

Royal Masonic Hospital, State Registered Nurse

Contribution to Science

My primary contribution has been developing models of interprofessional simulation for healthcare professionals. I am driven by the question of what makes a physician and situating the need for training in the larger healthcare team. I have significant experience in the counseling of medical students and physicians and gained insight into their personality traits and stressors with the driving factors being the quality of the doctor-patient interaction.

JOHN CUNNINGHAM

Head of Government & Aerospace
Unity Technologies

John is the Head of Unity's Government & Aerospace business group for the Americas where he is focused on helping Government and Aerospace customers leverage Unity's Digital Twin and Artificial Intelligence products and services and to develop the ecosystem of integrators and creators. He is also the President of the VR/AR Association Central Florida Chapter and is a frequent speaker on immersive technologies and the Metaverse.

Throughout his 30-year career in high-tech, John has held numerous senior executive sales, operations, and general management positions with companies as Aruba Technologies, Motorola, HP, Carnegie-Mellon and the DiSTI corporation. He also served as a US Army Communications and Special Operations Office during various campaigns.

CAITLIN DOHRMAN

General Manager
Improbable U.S. Defense and National Security

Caitlin is responsible for the overall growth of Improbable's U.S. Defense and National Security business and enabling our customers' success using Improbable's synthetic environment and metaverse technology for national security challenges. Caitlin is a cross-functional technology leader with experience building products for defense and national security users, developing go-to-market strategies, and scaling high-growth businesses.

Caitlin has worked in technology for 15 years, bringing innovative solutions to bear on challenges facing U.S. Government customers. Prior to joining Improbable in 2018, Caitlin was an Enterprise Lead and Product Manager at Palantir Technologies, where she was responsible for the company's national security portfolio and helped develop the Palantir Gotham platform. Prior to Palantir, Caitlin worked at Booz Allen Hamilton and Intergraph as a systems engineer on command and control, critical infrastructure protection, and communications systems. She graduated with honors from Mississippi State University with a B.S. in Computer Engineering and Virginia Tech with a M.S. in Systems Engineering.

SHEENA FOWLER

Vice President of Strategic Engagements / Business Development and Orlando Site Lead
Red 6

Sheena Fowler is the Vice President of Strategic Engagements / Business Development and Orlando Site Lead at Red 6, the company that is revolutionizing augmented reality (AR) for military and commercial training applications worldwide.

Prior to joining Red 6, Sheena served as Vice President of Innovation and Orlando Film Commissioner spearheading the strategy for innovation, technology and entertainment economic development for the Central Florida region for more than a decade at the Orlando Economic Partnership. She was instrumental in many high-profile projects that accelerated the region's progress towards an innovation-based economy including the expansion of Red 6 to Florida, the formation of the Orlando Tech Council and the creation of Synapse Orlando.

Sheena currently serves on the VR/AR Association's Central Florida Chapter board of directors, the First Robotics Orlando Executive Advisory Board and has led state-wide organizations including Women in Film and Television – Florida and Film Florida. In 2012, she was nominated as one of the Orlando Business Journal's Women Who Mean Business, Women to Watch; in 2013 she was designated as one of OBJ's 40 Under 40; in 2018 she was inducted into the Full Sail Hall of Fame.

GEN JAMES M. "MIKE" HOLMES, USAF (RET.)

Board of Advisors
Red 6

General Mike Holmes retired from the Air Force in October 2020 after nearly 40 years of service. He is a member of the Council on Foreign Relations, an adjunct fellow at the Center for a New American Security, a member of the Air Force Studies Board, the Chairman of the Board at Red 6, the Chairman of the Board at the Air Force Historical Foundation, a senior advisor at The Roosevelt Group, and advises several defense, tech and non-profit companies and organizations.

He completed his Air Force service leading the transformation of Air Combat Command (ACC), a global organization operating and sustaining conventional fighter, C2, ISR, Cyber, and EW forces operating from 11 Air Force Bases and more than 300 operating locations around the world. As the Air Force's Deputy Chief of Staff for Strategic Plans and Programs, he led a team that shifted Air Force strategy to respond to a new national security environment and built and defended the USAF's input to three $600B Five Year Defense Plans with the Department of Defense and U.S. Congress. As the Deputy Commander of Air Education and Training Command, he directed all aspects of USAF education and training, from basic and technical training to advanced degree programs. As the Air Force's Assistant Deputy Chief of Staff for Operations and Requirements, he coordinated global Air Force operations and requirements with the Joint Chiefs of Staff and regional military commanders. As Principal Director for Mid-East Policy in the Office of the Secretary of Defense, he formulated regional defense policy with the National Security Council and Department of State and coordinated U.S. defense relationships and activities with international partners. Before assuming his strategic roles, he commanded Air Force teams in positions of increasing complexity, responsibility, and accountability at the squadron, group, and wing level, including a year in command of Air Force forces in Afghanistan.

Mike graduated from the U.S. Naval War College National Security Strategy program with highest honors and completed both the U.S. Air Force's School for Advanced Air and Space Power Studies program and the Fighter Weapons Instructor Course. He was the Graduate of the Year in the University of Alabama's MA in History program at Maxwell AFB and received a BS in Electrical Engineering from the University of Tennessee. He is a fighter pilot with over 4,000 hours in the F-15 and T-38, including over 500 combat hours, and continues to fly general aviation aircraft.

ROBERT "BOB" KLEINHAMPLE, CMSP

Strategic Account Executive
Improbable U.S. Defense & National Security

Robert "Bob" Kleinhample is a Strategic Account Executive for Improbable U.S. Defense & National Security. In this role he leads the vision, strategy, development and knowledge sharing of transformative solutions and capabilities in the synthetic environments market.

With a focus on fostering an agile culture of innovation through research, product development, and technical excellence, Bob Kleinhample positions Improbable as a leader in the synthetic environments market serving the U.S. defense and national security community. In this role, Bob strategically shapes synthetic environment capabilities solving emergent customer problems in the area of virtual worlds demanding high scale and complexity.

Bob is an active member in the training and simulation community through his involvement and leadership in the Interservice/Industry, Training, Simulation, and Education Conference (I/ITSEC) committees, to include his current role as the I/ITSEC Next Big Thing Committee Chair which is leading the adoption of emerging technologies in the training and simulation market.

Bob is a 20 year military career veteran as a U.S. Army Field Artillery Officer and he earned his Bachelors of Science degree in Engineering Management from the United States Military Academy and his Masters of Engineering in Operations Research from the Old Dominion University.

JOSEPH "JOE" NOLAN

Senior Manager, Defense and Public Sector Solutions
ML Horizons (a wholly owned subsidiary of Magic Leap, Inc.)

Joe Nolan is a Senior Manager for ML Horizons (a wholly owned subsidiary of Magic Leap, Inc. focused on Defense and Sector Solutions) leveraging augmented and mixed reality for data visualization, and command and control applications. Before joining ML Horizons, Joe - a retired U.S. Army Colonel, served for 29 years both as an infantryman and as an FA57 Simulation Operations officer. As an FA57, Joe held assignments as a COCOM event planner, Joint software integration manager, human resource executive and Deputy Director of both the U.S. Army Modeling and Simulation Office (Army Headquarters, Pentagon) and SFC Paul Ray Smith Simulation and Training Technology Center (Army Futures Command). Joe holds a B.A. in Political Science from the University of Detroit-Mercy; a Masters in Models, Virtual Environments and Simulations from the Naval Postgraduate School; and is a U.S. Army War College Fellow to Old Dominion University's Virginia Modeling, Analysis and Simulation Center. He is married to the former LTJG Roxanne Carter (NOAA Commissioned Officer Corps) of Bloomington, Illinois, and he is the proud father of his two sons, Connor (21), a senior at Virginia Tech University and Grant (17), a senior at Nansemond River High School in Suffolk, VA.

AMAR PATEL

Chief Learning Officer
CAE Healthcare

Amar Patel is a clinician, researcher, and renowned educator with a Doctorate in Health Science from Nova Southeastern University in Fort Lauderdale, Florida, and a Master of Science in Emergency Health Services Education from the University of Maryland Baltimore County. He currently serves as chief learning officer at CAE Healthcare.

Founder and past chair of the North Carolina Simulation Collaborative, Dr. Patel is a simulation expert and much-published key opinion leader with 60+ abstracts, articles and textbook chapter publications to date. With a professional history that includes stints as a firefighter, paramedic, educator, researcher, and curriculum developer. Dr. Patel maintains over 17 certifications and is currently involved in several healthcare quality committees.

Dr. Patel has most recently held the position of executive director of WakeMed Innovations at WakeMed Health & Hospitals, having been responsible for healthcare innovation, idea generation, innovation investments, technology-based educational programs (such as patient simulation and online learning), and simulation-based research.

JOSHUA WEXLER

Co-founder and Chief Executive
Fun of Pure Imagination Studios

Mr. Wexler is the co-founder and Chief Executive of Fun of Pure Imagination Studios, a groundbreaking media and technology company focused on the next generation of storytelling. Over the last 30 years, Mr. Wexler has pioneered "transmedia" production and has created and produced content across nearly every media platform with some of the biggest brands in the world including Star Wars, Spider-Man, LEGO, The Avengers, Star-Trek, Aliens, Batman, Shrek, NASCAR, Mortal Kombat, The Justice League, and many others.

Mr. Wexler and his team have been pioneering stereoscopic imagery, virtual and mixed reality and real-time production for film, television and theme-parks for nearly two decades, re-imagining the way content is created, distributed and consumed. During the pandemic, Mr. Wexler and his team leveraged their real-time production capabilities and produced a series of award winning Covid PSAs in just five weeks from script to screen. Mr. Wexler also produced the ground-breaking, wireless (no backpack PC) free-roaming VR experience Alien: Descent as well as the Army of the Dead Mixed Reality experience for Netflix and the award winning Batman: Bat-Tec Edition AR App.

In addition to film and television development, Mr. Wexler spearheaded the team that designed, built and opened DREAMPLAY by DreamWorks, the first family entertainment center product for DreamWorks Animation Studios as well as the National Geographic Ultimate Explorer concept which recently opened in China and Mexico. These concepts have redefined what an out of home family entertainment experience can be. Prior to Pure Imagination, Mr. Wexler was a co-founder of Threshold Entertainment where he built Mortal Kombat into a $5Bil global franchise through film, television, animation and more.

DANIEL "DANNY" WILLIAMS

Technical Account Manager
Epic Games

Danny Williams has worked in the simulation and training industry for over 20 years. He is currently the Technical Account Manager for Simulation at Epic Games helping customers build training applications on Epic's Unreal Engine.

Danny started his career in simulation at BAE Systems working on the Future Combat Systems program. In 2005 he moved to the Johns Hopkins University Applied Research Lab developing training systems for the US Navy and the Department of Homeland Security. Prior to joining Epic, he worked

for 8 years at MAK Technologies where helped capture the STE Common Synthetic Environment Program.

Danny started at Epic in January of 2021 working with the Simulation team spreading awareness and adoption of the Unreal Engine in the simulation and training industry.

TIM WOODARD

Senior Solutions Architect
NVIDIA

Tim Woodard is a Senior Solutions Architect with NVIDIA's Professional Visualization group, working with Federal integrators and customers to get the most out of NVIDIA's professional visualization solutions. This includes leveraging our professional GPUs, advanced rendering

technology, virtualization, XR, AI, and Omniverse for MS&T. Tim has over 25 years of experience designing and developing software architectures for real-time simulation visual systems including medical, driving, and flight. He serves on the I/ITSEC Simulation subcommittee, has received patents for run-time simulator database generation technology, and has published

and presented papers at NVIDIA's GPU Technology Conference, I/ITSEC, IMAGE, FSEMC, ASQ, and IT²EC. Tim lives in Virginia Beach, Virginia with his wife and two boys, is a mediocre guitar player, amateur painter, and an avid homebrewer.

THANK YOU TO OUR SPONSORS! NTSA

ARA VIRTUAL HEROES DIVISION

At the Virtual Heroes Division of Applied Research Associates we create immersive, 3D interactive learning solutions and high-fidelity synthetic virtual environments. Our goal is to create realistic, detailed training, entertainment, and educational solutions to improve your safety, security, and way of life.

IMPROBABLE U.S. DEFENSE & NATIONAL SECURITY

Based in Washington, DC, Improbable U.S. Defense & National Security is a subsidiary of the London-based technology company Improbable, dedicated to giving the U.S. and their allies a strategic advantage in an era of constant competition.

Synthetic environments powered by our Skyral Development Platform are transforming planning, training, and decision making across the defense and national security community, and helping users understand the complex challenges they face before delivering a swift, fully integrated response.

RIIID LABS, INC.

Riiid is a leading pioneer in AI solutions for education and training, named among the 100 Most Innovative AI Startups by CB Insights in 2021. Riiid leverages the power of AI, delivering personalized instruction for all learners with the aim of democratizing quality education anywhere. Riiid's proprietary AI technology, based on novel deep learning algorithms, analyzes user data and content, predicts scores and behavior, and recommends personalized learning items in real-time to help users unleash their learning potential. As a leading force in AI technology, Riiid has published research papers at top AI conferences including NeurIPS and AAAI. Riiid's technology is content-agnostic, highly scalable, and thus applicable to a wide range of domains. Riiid fills the void for new approaches to education and training with the only verified AIEd technology and business, providing solutions for government, K-12, postsecondary and corporate.
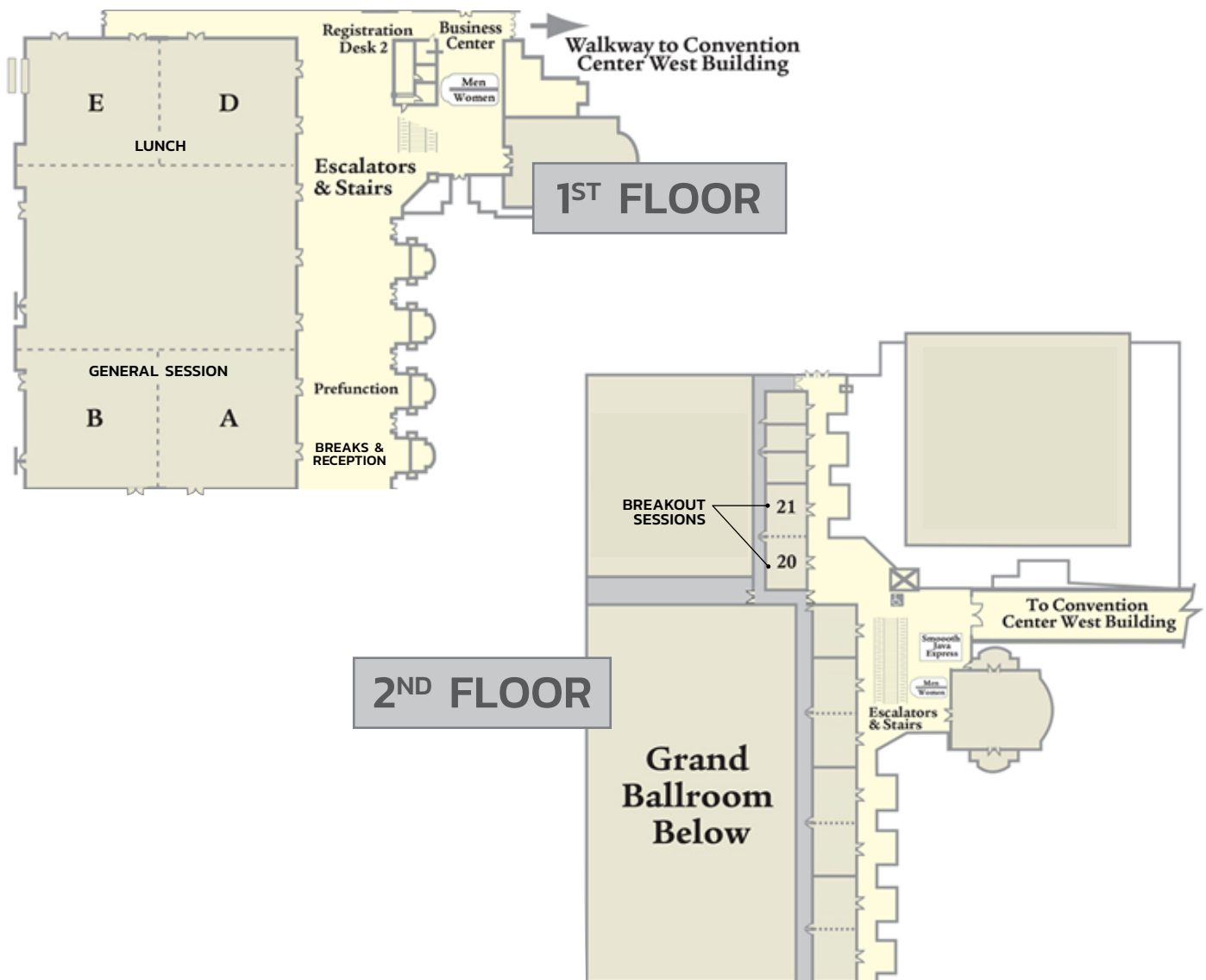
SIMX

SimX brings virtual reality to medical simulation training. With its completely immersive environments, SimX is used to train military personnel, EMS professionals, physicians, nurses, and other allied health professionals in a variety of military, medical, and emergency scenarios. Furthermore, the platform allows medical teams to replace expensive manikins with a low-cost wireless VR headset and an incredibly flexible virtual patient.

M&S CAUCUS

Bobby Scott* Virginia 3rd District	Gus Bilirakis Florida 12th District	Doug Lamborn Colorado 5th District	Darren Soto Florida
Stephanie Murphy* Florida 7th District	Mo Brooks Alabama 5th District	Alan Lowenthal California	Michael Turner Ohio
John Rutherford* Florida 4th District	Vern Buchanan Florida 16th District	Bill Posey Florida 8th District	Joe Wilson South Carolina 2nd District
Jack Bergman* Michigan 1st District	Ken Calvert California 42nd District	Lucille Roybal-Allard California	Robert Wittman Virginia 1st District
Robert Aderholt Alabama 4th District	Virginia Foxx North Carolina 5th District	C.A. Dutch Ruppersberger Maryland 2nd District	
Denotes Caucus Co–Chair			

VENUE MAP

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:

- Reduced registration fees for all employees for all NTSA & NDIA events
- Member listing with hyperlink on the NTSA website
- NTSA's monthly e-newsletters
- National Defense, NDIA's award-winning magazine
- Opportunity to participate in various NTSA and I/ITSEC initiatives

VISIT NTSA.ORG/MEMBERSHIP, CONTACT CAROL DWYER AT CDWYER@NTSA.ORG

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Certified Modeling and Simulation Professional

CMSP

THE DISTINCTION OF A TRUE M&S PROFESSIONAL

EARNING THE CMSP DESIGNATION WILL GIVE YOU:

- **RECOGNITION** from the M&S community as a leader in the profession
- **VALIDATION** of your skills, knowledge, experience, and expertise
- **OPPORTUNITIES** for professional advancement and career growth

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

For more information, please visit **NSTA.org/CMSP** or contact Carol Dwyer at **cdwyer@NTSA.org**

NTSA 2022 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.

M&S Leadership Summit: The Metaverse | June 14
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.

Training & Simulation Industry Symposium | June 15 – 16
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.

iFEST | August 16 – 18
In collaboration with the Advanced Distributed Learning (ADL) Initiative, iFEST provides unique opportunities for military, government, industry, and academia professionals to share the latest in distributed learning innovations.

Interservice/Industry Training, Simulation and Education Conference (I/ITSEC) | November 28 – December 2
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, these are not your typical webinars. Tech Grove Connect is an interactive opportunity to explore hot training topics from defense industry partners and Navy experts.

FOR MORE INFORMATION, VISIT
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