

# M&S LEADERSHIP SUMMIT



February 25, 2019

Sheraton Norfolk Waterside Hotel

Norfolk, VA

[Trainingsystems.org/MSLeadership](http://Trainingsystems.org/MSLeadership)

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## 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 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) and the National Modeling & Simulation Coalition (NM&SC), in support of the Congressional Modeling and Simulation 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 2019 M&S Leadership Summit will highlight the exciting initiatives in K-12 education, formal post-secondary education and ongoing workforce development. The event will feature success stories from around the country --- from the perspectives of industry, government, schools and academia. The goal of the Summit is to provide recommendations for legislative action related to increasing the use of modeling and simulation technologies in education, and to support the current and future M&S workforce.

Members of the Congressional Modeling & Simulation Caucus will be in attendance, along with other Congressional staffers. Keynotes and panels will feature visionaries in education and workforce development, along with scalable examples of successes.

# AGENDA

## MONDAY, FEBRUARY 25, 2019

0800 – 1700 **REGISTRATION OPEN**

YORK HALL FOYER, 3<sup>RD</sup> FLOOR

0800 – 0915 **CONTINENTAL BREAKFAST**

STRATFORD HALL, 3<sup>RD</sup> FLOOR

0915 – 0920 **CALL TO ORDER**

YORK HALL, 3<sup>RD</sup> FLOOR

**Dr. Linda Brent**

Strategic Planning

National Training & Simulation Association

0920 – 0930 **OPENING REMARKS**

YORK HALL, 3<sup>RD</sup> FLOOR

**RADM James A. Robb, USN (Ret)**

National Training & Simulation Association

0930 – 1000 **KEYNOTE ADDRESS**

YORK HALL, 3<sup>RD</sup> FLOOR

**Mr. Chad Dorsey**

President and CEO

Concord Consortium

1000 – 1015 **BREAK**

1015 – 1030 **CONGRESSIONAL KEYNOTE ADDRESS**

YORK HALL, 3<sup>RD</sup> FLOOR

**The Honorable Bobby Scott**

U.S. Congress, 3rd District of Virginia

1030 – 1045 **CONGRESSIONAL KEYNOTE ADDRESS**

YORK HALL, 3<sup>RD</sup> FLOOR

**The Honorable Stephanie Murphy**

U.S. Congress, 7<sup>th</sup> District of Florida

1045 – 1100 **CONGRESSIONAL DIALOG (Q&A)**

YORK HALL, 3<sup>RD</sup> FLOOR

1100 – 1230

## **PANEL DISCUSSION – SUCCESS IN THE INTEGRATION OF MODELING AND SIMULATION IN K-12 EDUCATIONAL PROGRAMS**

(Note: Panel of Experts from industry, academia, and Government to discuss success stories and issues to be addressed)

YORK HALL, 3<sup>RD</sup> FLOOR

### **Ms. Debbie Berry**

Director  
Lockheed Martin  
Moderator

### **Dr. Joan Walker**

Assistant Provost for Research  
Pace University

### **Dr. Lisa Dieker**

Professor of Education  
University of Central Florida

### **Mr. George Cheros**

COO  
National Center for Simulation

### **Mr. Christopher Geiger**

Engineering Director and Chief Engineer  
Enterprise Sustainment Solutions  
Lockheed Martin Training and Logistics Solutions

### **Mr. Gary Artybridge**

Manager, SEEKnns  
Huntington Ingalls Industries

1230 – 1330

## **LUNCH**

STRATFORD HALL, 3<sup>RD</sup> FLOOR

1330 – 1400

## **KEYNOTE ADDRESS**

YORK HALL, 3<sup>RD</sup> FLOOR

### **Mr. John Schwartz**

Director, Enterprise Development  
edX

1400 – 1515

## **PANEL DISCUSSION MODELING AND SIMULATION AS A DISRUPTIVE TECHNOLOGY FOR WORKFORCE EDUCATION AND TRAINING**

(Note: Panel to discuss university/workforce development success stories using innovation and disruptive technologies.)

YORK HALL, 3<sup>RD</sup> FLOOR

### **Dr. Marjorie Zielke**

Director  
Center for Simulation and Synthetic Humans, University of Texas at Dallas  
Moderator

### **Mr. Ken Spero**

CEO  
Educational Leadership

### **Dr. Gail Hardinge**

Director of Joint DOD program for Transition  
William & Mary

### **Mr. Dennis Reed**

Director  
Navy Modeling and Simulation Office

### **Dr. Cynthia Foronda**

Professor  
University of Miami School of Nursing

### **Mr. James Ward**

Senior Training Developer  
Newport News Shipbuilding

1515 – 1530 **BREAK**

1530 – 1630 **STRUCTURED GROUP DISCUSSION**  
BREAKOUT ROOMS (ASSIGNMENTS BELOW)

**Working Groups:**

- K-12 Education | Facilitator: Fred Hartman (Room: Claremont, 4th Floor)
- University/Formal K12-20 Education | Facilitator: Dr. Marjorie Zielke (Room: Brandon AB, 4th Floor)
- Workforce Development/Lifelong Learning | Facilitator: Tom Mastaglio (Room: Eppington, 4th Floor)

**Discussion Focus for Small Groups:**

1. Discuss elements of success for innovation and disruptive technologies in education
2. Identify Government agencies positioned to support innovation in education/training
3. Define objective of legislation to support successful programs
4. Propose language (samples provided) that can be incorporated into legislation going forward

1630 – 1700 **OUT BRIEFS TO GROUP**  
YORK HALL, 3<sup>RD</sup> FLOOR

1700 – 1715 **CLOSING AND THE WAY AHEAD**  
YORK HALL, 3<sup>RD</sup> FLOOR

1715 – 1915 **CLOSING RECEPTION**  
YORK HALL FOYER, 3<sup>RD</sup> FLOOR

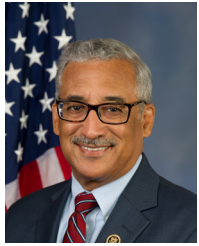
# THANK YOU TO OUR SPONSORS



**Newport News Shipbuilding**  
A Division of Huntington Ingalls Industries



# BIOGRAPHIES



## THE HONORABLE BOBBY SCOTT

*Congressman*  
3rd District of Virginia

Congressman Robert C. "Bobby" Scott is currently serving his thirteenth term

in Congress representing Virginia's Third Congressional District. Prior to serving in the House of Representatives, he served in the Virginia House of Delegates from 1978 to 1983 and in the Senate of Virginia from 1983 to 1993. Congressman Scott currently Co-Chairs the Congressional Modeling and Simulation Caucus. He is a strong supporter of our nation's military readiness as well as our troops and their safety. He is a leading advocate for improving and increasing funding for veterans' benefits and health care, especially mental health care, and was the lead sponsor in the House of Senator Jim Webb's Post-9/11 G.I. Bill that was signed into law by President George W. Bush in 2008. Congressman Scott has

routinely received an "A" from the Iraq and Afghanistan Veterans of America for his service and commitment to our veterans.

He currently serves as the Ranking Member on the Committee on Education and the Workforce, a committee he has served on since his arrival to Congress in 1993. In his capacity as the most senior Democrat on the Committee, he is leading the fight for access to quality early, secondary and higher education for all of America's children with an emphasis on solving the growing problem of student debt, closing the achievement gap and dismantling the School-to-Prison Pipeline. In 2015, he was one of the four primary negotiators of the Every Student Succeeds Act, which reauthorized the Elementary and Secondary Education Act for the first time in 13 years replacing the No Child Left Behind Act. Additionally, he is focused on ensuring that millions of Americans have the opportunity to go to work every day and know that they will be treated

fairly, paid a decent and living wage, given a safe environment in which do their jobs and provided access to affordable health care.

He 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 was born on April 30, 1947 in Washington, D.C. and grew up in Newport News, Virginia. He is a graduate of Harvard College and Boston College Law School. After graduating law school, he returned home to Newport News and practiced law from 1973 to 1991. He received an honorable discharge for his service in the Massachusetts National Guard and the United States Army Reserve.



## THE HONORABLE STEPHANIE MURPHY

*Congresswoman*  
7th District of Florida

U.S. Congresswoman Stephanie Murphy proudly represents Florida's Seventh

Congressional District in the U.S. House of Representatives. The district includes all of Seminole County and much of northern Orange County, including downtown Orlando, Maitland, Winter Park, and the University of Central Florida. She currently serves on the influential House Ways and Means Committee, where she is a

member of the Subcommittee on Trade and the Subcommittee on Worker and Family Support.

Previously, Congresswoman Murphy was a businesswoman and college instructor after serving as a national security specialist in the Office of the U.S. Secretary of Defense where she received numerous awards for her distinguished service, including the Secretary of Defense Medal for Exceptional Civilian Service. She worked on a wide range of security issues from counterterrorism to foreign military relations to strategic planning

for the department. Prior to her public service, Stephanie was a strategy consultant at Deloitte Consulting.

Congresswoman Murphy holds a M.S. in Foreign Service from Georgetown University and a B.A. in Economics from the College of William and Mary. She lives in Winter Park, Florida, with her husband and two young children.



## NTSA LEADERSHIP

### RADM JAMES A. ROBB, USN (RET.)

*President*

National Training and Simulation Association (NTSA)

designation as a Naval Aviator, and training in the F-14 Tomcat, Admiral Robb deployed nine times across the globe accumulating over 5,000 hours and 1,000 carrier landings. Following a tour flying Russian fighters in

the Nevada desert, he commanded Fighter Squadron Fifty One, Carrier Air Wing Nine, the Navy Fighter Weapons School (TOPGUN), and Carrier Strike Group Seven. As a Flag Officer he managed all Naval Aviation Programs (N980) and was the Director of Navy Readiness (N43). Following

9/11, he joined USCENTCOM as the Director of Plans (J5) deploying to the Middle East in support of combat operations.

Retiring in 2006, he built a successful small consulting business before joining the National Training and Simulation Association as President in June 2012.



### DR. LINDA BRENT

*Chief Executive Officer*

The ASTA Group, LLC

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 EdD 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 EdD from the University of Rochester.



## GARY ARTYBRIDGE

*Manager, SEEKnns*  
Huntington Ingalls Industries

Gary R. Artybridge, Jr. is Community Relations Manager of the SEEKnns

(Shipbuilders Engaging & Educating Kids) program at Newport News Shipbuilding, a division of Huntington Ingalls Industries. He is responsible for Newport News Shipbuilding's pre-K through 12th grade STEM and

career awareness programs in the region. Artybridge began his shipbuilding career in 2011 as a nuclear engineer in the reactor services program for NIMITZ-class aircraft carriers. Prior to his current role, he served as a nuclear instructor of radiological controls training for nuclear engineers. Artybridge earned a bachelor's degree in mechanical engineering from Virginia Commonwealth

University and a master's degree in engineering management from George Washington University. He is active in the community serving on several school CTE advisory boards, the Downtown Hampton Child Development Center Programs and Curriculum Committee, and mentoring young men in the community including students at Denbigh High School.



## DEBBIE L. BERRY

*Director*  
Lockheed Martin

Debbie L. Berry, has over 33 years with Lockheed Martin. She currently manages

the Innovation Demonstration Center (IDC) in Orlando, FL.

Ms. Berry has supported the simulation and training industry, domestically and internationally, as an engineer, program manager, tradeshow manager and business development senior staff analyst. As customer engagement liaison, she is responsible for management of capabilities demonstrations, business development and strategies. She leads the Lockheed Martin Training and Logistics Solutions Military/Veterans Employee Resource Group.

Debbie is a founding member of the Women In Defense (WID) Central Florida Chapter (the first of four active Florida chapters), served as the inaugural chapter president and

currently serves as an advisor to the chapter and as Chair of the WID National Council. She served as president for the National Defense Industrial Association Central Florida Chapter and continues to serve as a director.

Debbie served in several executive committee and officer positions for the Association of the U.S. Army Sunshine Chapter, including President, and now serves on the Board of Governors.

Debbie served as Conference Chair of I/ITSEC 2001 and ITEC 2009. She is a charter member of the Modeling and Simulation Professional Certification Commission (CMSP) and an alumnus of Leadership Orlando (Class 78). She is a board member for the Central Florida Veterans Memorial Park Foundation and a member of the Go for the Greens steering committee.

Her credentials include lifetime memberships in NDIA, WID, Navy League of the United States, and the Army Aviation Association of America. In recognition of her distinguished service, Debbie has been recognized with the prestigious NDIA Silver Medal, the AUSA Sunshine Chapter Royal of the Flamingo medallion and the Noble Patron of Armor. She is the inaugural recipient of the WID CFL Debbie L. Berry Legacy Award.

Debbie received her Bachelor of Science in Engineering from the University of Florida.





## GEORGE CHEROS

*COO*

National Center for Simulation

Mr. George Cheros is currently the Chief Operating Officer of the National Center for Simulation in Orlando, Florida. He is responsible for finance and operations of this 200+ member organization that represents the Modeling and Simulation Industry. The Orlando area is the epicenter of the Modeling and Simulation for the world. For over 20 years, the confluence of industry, military and university research developed a center of excellence that is unmatched. He

also participates on a number of advisory boards associated with his position at the National Center for Simulation. Prior to joining NCS, Mr. Cheros had a thirty year career in business that began in finance and marketing positions at General Foods Corporation (Kraft Foods) in White Plains, NY. His responsibilities included manufacturing cost analysis, capital budgeting, corporate consolidations and forecasting, product development, brand management and corporate mergers/acquisitions. Subsequently, Mr. Cheros served as Financial

Manager, Division Controller and Director of Strategic Planning for Red Lobster USA (a subsidiary of General Mills Corporation at the time). He had financial responsibility for 200+ restaurants accounting for revenues of over \$500 million. Most recently, Mr. Cheros was a founding partner of consulting/venture organization that strategically partners with mid-market companies to solve complex business issues. In addition, the company participated in joint ventures with real estate developers and arranged for funding for commercial real estate transactions.



## DR. LISA DIEKER

*Professor of Education*

University of Central Florida

Lisa Dieker, is a Pegasus Professor and Lockheed Martin Eminent Scholars in the College of Community Innovation and Education at UCF. She also serves as the Co-Director of the Center for Research in

Education Simulation Training (CREST). Her research focuses on teacher education, special education, and simulation in teacher education. She has led and managed more than \$16M in grant funding and has a newly funded doctoral leadership grant to work across teacher preparation and the

integration of learning sciences. She has over 15 years of leading the field in teacher education in creating and assessing teacher performance in simulated environments and has created a new pathway of pilot work in understanding the neurophysiological state of expert teacher mind and body.



## CHAD DORSEY

*President and CEO*

Concord Consortium

Chad Dorsey is President and CEO of the Concord Consortium, which has been an innovation leader in researching and developing STEM educational technology for the past twenty years. Chad's experience ranges across the fields of science, education, and technology. In addition to overseeing a wide variety of STEM projects at the Concord Consortium,

he serves as a leader in educational technology across the field on numerous advisory groups and professional workshops. Prior to joining the Concord Consortium in 2008, Chad led teacher professional development workshops as a member of the Maine Mathematics and Science Alliance. Chad has also taught science in classrooms from middle schools through college and has guided educational reform efforts at the district-wide and whole-school levels. While

earning his B.A. in physics at St. Olaf College and his M.A. in physics at the University of Oregon, Chad conducted experimental fluid mechanics research, built software models of Antarctic ice streams, and dragged a radar sled by hand across South Cascade Glacier. He first met computers when his family hooked an Apple II to their fancy new color TV set, and he's been a shameless geek ever since.



## DR. CYNTHIA FORONDA

*Professor*

University of Miami School of Nursing

Cynthia Foronda, RN, PhD, CNE, CHSE, ANEF, is an Associate Professor of Clinical at the University of Miami School of Nursing and Health Studies. Dr. Foronda is a pediatric nurse who specializes in simulation-based education, technology, cultural humility,

and vulnerable populations. An expert in evaluating educational interventions, she is focused on fostering breakthroughs in education through the use of technology and diverse teaching methods. Dr. Foronda has published over 45 articles in peer-reviewed journals and serves on the editorial boards for Nurse Educator and Clinical Simulation

in Nursing. She is President-Elect of the International Nursing Association for Clinical Simulation and Learning (INACSL) and is a 2018 Macy Foundation Scholar. Dr. Foronda has received international recognition for her work in simulation.



## CHRISTOPHER GEIGER

*Engineering Director and Chief Engineer, Enterprise Sustainment Solutions*  
Lockheed Martin Training and Logistics Solutions

Christopher Geiger is engineering director and chief engineer of Enterprise Sustainment Solutions at Lockheed Martin's Training and Logistics Solutions (TLS) line of business. Lockheed Martin TLS specializes in Live, Virtual, and Constructive (LVC)

training solutions; F-35 training and logistics; turn-key flight training; and aerospace and defense sustainment.

He is a licensed Professional Engineering (PE), UK Chartered Engineer (CEng), chair of the Florida Professional Engineers in Industry, and a Board Leadership Fellow of the National Association of Corporate Directors. In addition, he is a senior member of the American Institute of Aeronautics

and Astronautics (AIAA) and IEEE as well as a member of the Royal Aeronautical Society. He received a master's in business administration and bachelor's degrees in electrical engineering and chemistry from the University of Florida.

Mr. Geiger resides in Orlando, FL with his wife Lisa and three children where you can often find him canoeing and hiking in the wilds of Central Florida.



## DR. GAIL HARDINGE

*Director of Joint DOD program for Transition*  
William & Mary

Dr. Hardinge is the Executive Director of the Troops to Teachers Virginia Center, a Virginia Department of Education program funded through the Department of Defense. Dr. Hardinge has worked in K-12

education for 19 years, higher education for 15 years, and is currently a clinical faculty member at the College of William & Mary. Her professional roles have included educational psychologist, program developer and evaluator of formal and informal STEM education programs, and developer of career

planning programs for teachers. She has received more than \$12.5 million in STEM grants for public education and currently serves as a school board member and board chair for CodeRVA, Regional High School, serving thirteen Virginia school divisions.



## DENNIS REED

### *Director*

#### Navy Modeling and Simulation Office

Mr. Dennis W. Reed is the Deputy for Department of Navy (DON) Modeling and

Simulation (M&S). In this role, he leads the establishment of M&S policy and guidance; provides oversight for Naval M&S needs, requirements and technologies; and leads the development of the Naval Research, Development, Test and Evaluation (RDT&E) M&S Roadmap. Mr. Reed also leads the

Workforce Development and Education efforts for the Naval Modeling and Simulation Community. He established the School of Modeling and Simulation as part of the NAVAIR University College of Test and Evaluation, and in partnership with Old Dominion University, implemented a M&S Certificate programs and a Masters of M&S Engineering program.

Mr. Reed serves as the DON representative to the Office of the Secretary of Defense (OSD) Acquisition Modeling and Simulation Working Group (AMSWG). He is the Director of a Multi-Service (Naval, Air Force and Army) program that is developing a government owned and sustained joint enterprise architectural framework for constructing Live, Virtual, and Constructive (LVC) environments in order to support the acquisition lifecycle in a more efficient manner.



## JOHN SCHWARTZ

### *Director, Enterprise Development* edX

John Schwartz serves as edX Head of Global Business Development.

He is part of the team that drives edX's engagements with prospects and partners including Foundations, NGO's, Corporations, and Governments both

local and international. John has extensive experience in Asia and the Middle East. John's career has been focused on driving business development for companies in a variety of industries including education tech, automotive, pharmaceutical, publishing and finance. He also has experience in strategic marketing and branding with

an emphasis on experiential design. Most recently, John was a Board Member and Chief Strategist at Hudson & Cutler, a technology driven marketing and communications company. John is a graduate of Hobart and William Smith Colleges.



## KEN SPERO

### *CEO*

#### Educational Leadership

Ken Spero is CEO and co-founder of Ed Leadership Sims, whose objective is

to use computer based simulation to build resilience, leadership skills, and decision-making capacity for K-12 Administrators. ELS works directly with Districts, Graduate Schools of Education and Principal Associations all to help strengthen Leadership Pipelines and reduce Leadership Churn. He has been in the simulation field for 30 years focusing on how to capture and deploy Experience in an efficient and scalable manner to enable the adage that "Experience is the Best Teacher." Ken developed the Experience Design Process for simulation

development that enables practitioners to articulate their own experiences in a manner which can be effectively shared with others. Ken was also outside faculty teaching Experience Design and Simulation Technology in the CLO Learning Leadership doctoral program offered by the Graduate School of Education and Wharton at the University of Pennsylvania.

Earlier in his career, while working in the Corporate and Public Sector arena, Ken developed and implemented training simulations and courses in the following areas: Financial Selling, Building the Business Case, Sales Management Leadership, Strategic Management, Finance for Non-

Financial Managers, Successful Project Leadership, and Choosing the Appropriate Medium for Delivery of Organizational Development Interventions. He worked with organizations such as Xerox, Dow Chemical, Monsanto, GE, Merck/Schering Plough, the Defense Finance and Accounting Service (DFAS).

Ken earned his MBA from Columbia University and his undergraduate degree in Management Science from Case Western Reserve University.



## JAMES WARD

*Senior Training Developer*  
Newport News Shipbuilding

Mr. James H Ward Jr., M.Ed, is a Senior Training Developer for Newport News

Shipbuilding specializing in the development and implementation of Instructional Technology for industrial training. With over 15 years of experience in Instructional Technology, James looks for new challenges to provide interactive 21st Century learning to practical training.

Over the past two year James was a recipient of multiple Excellence in Action awards for on-the-job training resources which provide practical training combined with just in-time instructional videos for maintenance technicians using mobile devices. He also received recognition for the development of a multi-user Virtual Reality Training Lab for crane operators that creates fully immersive learning environments for safe practical training.

Prior to working for Newport News Shipbuilding, James served as an ISTE Certified, Instructional Technology Specialist for Norfolk Public Schools. He also holds a B.S. in Education from Hampton University, and Masters in Instruction and Curriculum from Averett University.



## DR. JOAN WALKER

*Assistant Provost for Research*  
Pace University

Dr. Joan Walker is Assistant Provost for Research, Co-Director of the Faculty

Development Center and Associate Professor in the School of Education at Pace University (NY). Her research examines intersections between the cognitive and non-cognitive aspects of learning and human performance, the design and use of simulation training tools, and the development of professional

expertise. Joan's education and professional training includes a PhD in psychology from Vanderbilt University and a post-doctoral fellowship at the Vanderbilt-Northwestern-Texas-Harvard/MIT Engineering Research Center in Bioengineering Educational Technologies. Joan recently concluded a three-year rotation in the National Science Foundation's Education and Human Resources Directorate. As a program officer in the Division of Research on

Learning, she was involved with a broad spectrum of national STEM programs and initiatives including the launch of NSF's first Hispanic-Serving Institutions program. Joan has a strong commitment to broadening participation in STEM education and careers, and her research has been translated into community outreach programs that engage traditionally marginalized families in their children's public-school education.



## DR. MARJORIE ZIELKE

*Director*  
Center for Simulation and Synthetic Humans, University of Texas at Dallas

Marjorie A. Zielke, Ph.D., is Director of the Center for Modeling and

Simulation/Virtual Humans and Synthetic Societies Lab and Research Professor at the University of Texas at Dallas. Working primarily in emerging forms of simulation focused on virtual humans and learning portals, she is the UT Dallas principal investigator on several innovative simulation research projects in the medical, education and military/law enforcement sectors.

Under Dr. Zielke's direction, the Center has formed numerous research partnerships with support from the National Institutes of Health, Southwestern Medical Foundation, the Texas Department of Transportation and the National Science Foundation. The Center's projects have won first place for faculty twice at the International Meeting for Simulation in Healthcare (IMSH), the U.S. Army's Modeling and Simulation Training Team Award as part of the HINT Federation, the government category in the I/ITSEC Serious Games Competition,

and the National Training and Simulation Association (NTSA) Cross-Functional Simulation Award. Dr. Zielke's simulation for impaired drivers won the NTSA award for Education and Human Performance in 2018. Dr. Zielke served a fellowship in 2018 with the Special Operations Command. Dr. Zielke is a member of the National Modeling and Simulation Coalition (NMSC) policy committee and chair of the education committee.

# EXHIBITORS BY COMPANY

Center for Research in Simulation and Education Technology .....	2	Newport News Shipbuilding .....	3
		VMASC .....	1

## EXHIBITOR DESCRIPTIONS

### CENTER FOR RESEARCH IN SIMULATION AND EDUCATION TECHNOLOGY 2

The UCF Center for Research in Education Simulation Technology is based upon UCF's leading the field of education in simulation related to the patented work, TeachLivE. The purpose of the center is to provide an integrated structure that allows the use of UCF-developed infrastructure (software and processes) for educational experiences to expand by developing and incorporating these innovations in a broad range of societally relevant applications. The Center brings together unique, interntationally recognized research, relationships, and infrastructure that grew organically from the collaborative efforts of individual faculty members. Its focused mission is to develop core ideas, technologies and societally relevant applications.

### NEWPORT NEWS SHIPBUILDING 3

Huntington Ingalls Industries is America's largest military shipbuilding company and a provider of professional services to partners in government and industry. For more than a century, HII's Newport News and Ingalls shipbuilding divisions in Virginia and Mississippi have built more ships in more ship classes than any other U.S. naval shipbuilder. HII's Technical Solutions division provides a wide range of professional services through its Fleet Support, Mission Driven Innovative Solutions, Nuclear & Environmental, and Oil & Gas groups. Headquartered in Newport News, Virginia, HII employs more than 40,000 people operating both domestically and internationally.

Newport News Shipbuilding is the sole designer, builder and refueler of U.S. Navy aircraft carriers and one of two providers of U.S. Navy submarines. With approximately \$4 billion in revenues and more than 20,000 employees, we are the largest industrial employer in Virginia and the largest shipbuilding company in the United States.

### VMASC 1

The Virginia Modeling, Analysis and Simulation Center (VMASC) is an enterprise research center of Old Dominion University (ODU) focusing on advances in modeling and simulation, data analytics, and cybersecurity to solve real world problems. VMASC is leading through innovation and analytics the digital transformation of manufacturing and shipbuilding. The Virginia Digital Shipbuilding Program (VDSP) is housed at VMASC and with partnerships in the industry, academia, and government the VDSP is researching, developing digital shipbuilding curriculum, and establishing STEM/Digital Shipbuilding Labs to upskill the current shipbuilding and repair workforce and equip future workforce for advanced manufacturing jobs regionally, state, and nationwide. An integral part of the VDSP is outreach to regional K-16 school divisions and universities through workshops, STEM expos and curriculum development, which foster problem, based learning/inquiry paradigms. Learners navigate and engage in innovative, industry practices, digital life cycle of ships, utilize efficiency of digitizing benefits for focused solutions and are exposed to various career opportunities. Integrated digital shipbuilding provides a platform for learners of all ages to chart their course for the modern-day workforce.

# MODELING & SIMULATION CAUCUS

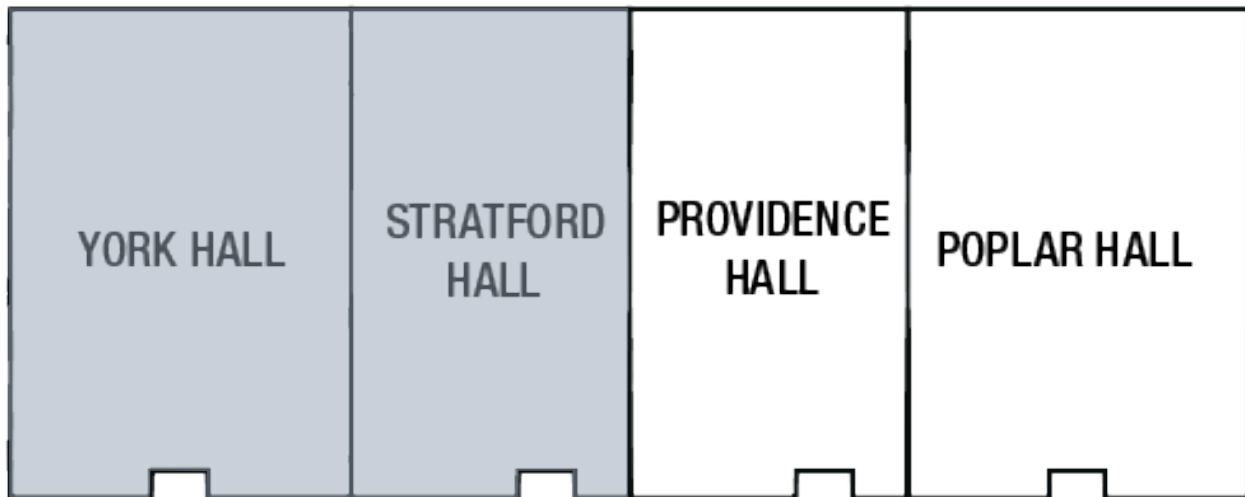
Bobby Scott*** Virginia 3 <sup>rd</sup> District	Ken Calvert* California 42 <sup>nd</sup> District	Duncan Hunter California 50 <sup>th</sup> District	Richard Shelby Alabama
Stephanie Murphy** Florida 7 <sup>th</sup> District	John Carter* Texas 31 <sup>st</sup> District	Tim Kaine Virginia	Niki Tsongas* Massachusetts 3 <sup>rd</sup> District
John Rutherford** Florida 4 <sup>th</sup> District	Steve Cohen* Tennessee 9 <sup>th</sup> District	Doug Lamborn* Colorado 5 <sup>th</sup> District	Tim Walz* Minnesota 1 <sup>st</sup> District
Scott Taylor** Virginia 2 <sup>nd</sup> District	Mike Conaway* Texas 11 <sup>th</sup> District	Ed Markey Massachusetts	Mark Warner Virginia
Robert Aderholt* Alabama 4 <sup>th</sup> District	John Cornyn Texas	Bill Nelson Florida	Elizabeth Warren Massachusetts
Gus Bilirakis* Florida 12 <sup>th</sup> District	Ted Cruz Texas	Scott Peters* California 52 <sup>nd</sup> District	Joe Wilson* South Carolina 2 <sup>nd</sup> District
Diane Black* Tennessee 6 <sup>th</sup> District	Susan Davis* California 53 <sup>rd</sup> District	Bill Posey* Florida 8 <sup>th</sup> District	Robert Wittman* Virginia 1 <sup>st</sup> District
Jim Bridenstine* Oklahoma 1 <sup>st</sup> District	Blake Farenthold Texas 7 <sup>th</sup> District	Tom Rooney* Florida 17 <sup>th</sup> District	
Mo Brooks* Alabama 5 <sup>th</sup> District	Dianne Feinstein California	Marco Rubio Florida	
Vern Buchanan* Florida 16 <sup>th</sup> District	Virginia Foxx* North Carolina 5 <sup>th</sup> District	C.A. Dutch Ruppersberger Maryland 2 <sup>nd</sup> District	

\* denotes member of the Congressional M&S Caucus | \*\* Caucus Co-Chair | \*\*\* Caucus Chair



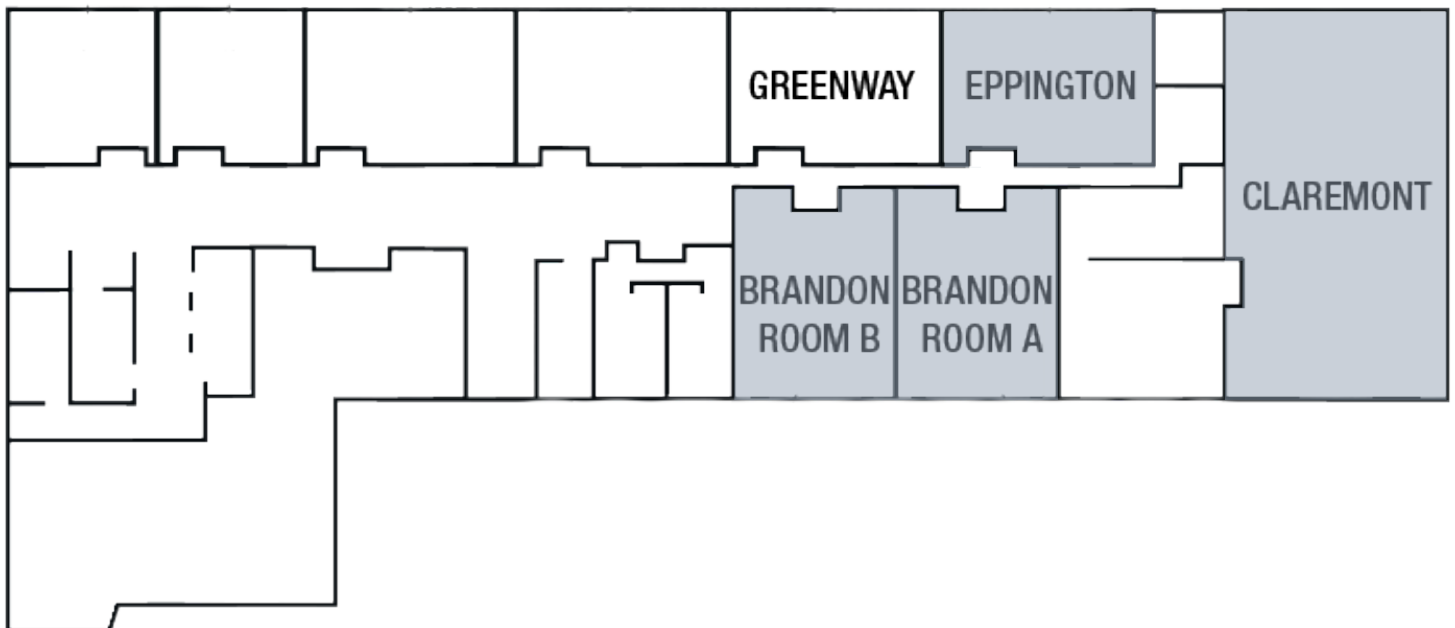
# VENUE MAP

## 3RD FLOOR



## GRANDE PROMENADE

## 4TH FLOOR





# 2019 SCHEDULE OF EVENTS

TRAININGSYSTEMS.ORG

## **MODSIM World 2019**

**April 22–24, 2019**

Norfolk, VA

## **2019 Simulation & Training Community Forum**

**May 7, 2019**

Fairborn (Dayton), OH

## **ITEC 2019**

**May 14–16, 2019**

Stockholm, Sweden

## **Training & Simulation Industry Symposium (TSIS) 2019**

**June 12–13, 2019**

Orlando, FL

## **Capitol Hill M&S Expo**

**July 10, 2019**

Washington, DC

## **iFest 2019**

**August 26–28, 2019**

Alexandria, VA

## **Interservice/Industry Training, Simulation & Education Conference (I/ITSEC) 2019**

**December 2–6, 2019**

Orlando, FL