

# 2019 NTSA Modeling & Simulation Awards and Governor's Award for Lifetime Achievement

The National Training and Simulation Association (NTSA) presented its annual Modeling & Simulation Awards, as well as the 2019 Governor's Award for Lifetime Achievement in Modeling & Simulation, during the NTSA

M&S Awards Dinner at the Hyatt Regency Orlando on Wednesday, December 4. NTSA President RADM James Robb, USN (Ret), presented awards to a diverse group of teams.



## NTSA 2019 Lifetime Achievement in Modeling & Simulation

**Dr. Randall Paul Shumaker**  
UCF School of Modeling, Simulation, & Training

Dr. Randall Shumaker is recognized for his lifetime contributions to modeling and simulation education and research; pioneering simulation for testing, exploratory development, AI, and human-robot teaming; and leading the growth and diversification of modeling and simulation at the University of Central Florida's (UCF) Institute for Simulation and Training. His visionary leadership resulted in establishing the Institute's preeminence in transdisciplinary human-centered modeling and simulation and the creation of the UCF School of Modeling, Simulation, and Training.

## Generalized Intelligent Framework for Tutoring (GIFT) Team

**Dr. Robert Sottolare, Soar Technology, Inc. and Drs. Benjamin Goldberg, Keith Brawner and Anne Sinatra, US Army Simulation & Training Technology Center**

Drs. Sottolare, Goldberg, Brawner, and Sinatra are recognized for their research and leadership in adaptive instructional system (AIS) design, and the conception and development of the Generalized Intelligent Framework for Tutoring (GIFT). They are commended for their positive impacts on both military and non-military instruction. Their labors have enhanced technologies which influence learning, performance, retention, and transfer of learning. Their revolutionary research reflects positively on themselves, their organizations, and our education and training community.

Warfare Center Training Systems Division has developed the On-Demand Hypoxia Trainer – an innovative, enhanced-capability, mask-on device to address the dangers of physiological episodes to aviation crewmen without the need for compressed gas. The team's accomplishments in the fields of aeromedical and survival training directly impact Naval Aviation readiness and are a major contribution to the safety of Naval aircrews.



## Honorable Mention for Training / Simulation

**NAWCTSD Flight Deck Crew Refresher Training Expansion Packs (TEP) Team**  
Naval Air Warfare Center Training Systems Division

The NAWCTSD Flight Deck Crew Refresher Training Expansion Packs Team delivered a novel expandable framework of mixed-reality content and delivery for carrier flight deck operations training under an accelerated Speed to Fleet timeline. The framework, which leveraged commercial and Government technologies, allows individual, team, or multi-team training, promoting task specific, team generic, and team specific skills and knowledge. TEP is a model of what a "High Velocity Learning Environment brings to our Warfighters."



## 2019 NTSA Modeling & Simulation Award Winners - Training / Simulation

**Hypoxia Training Research & Development Team**  
Naval Air Warfare Center Training Systems Division

Responding to the top safety issue of the Naval Aviation Enterprise, the Hypoxia Training Research & Development Team from the Naval Air



## 2019 NTSA Modeling & Simulation Award Winners - Education / Human Performance



**2019 NTSA Modeling & Simulation Award Winners - Training Systems Acquisition**

**L3Harris MQ-9 Blue Box HD Mission Training System Development and Production Team  
L3Harris Technologies, Link Training & Simulation**

The L3Harris MQ-9 Mission Training System team displayed engineering and procurement excellence by rapidly developing highly sophisticated training capabilities to dramatically improve the efficiency and effectiveness of MQ-9 aircrew training. By working directly with instructors, the Link team tightened requirements and development time to reduce fielding from months to weeks, while reducing the reliance on MQ-9 live-fly training and enhancing the US Air Force's ability to meet student throughput and quality goals.



**NTSA 2019 Special Recognition for Efforts in STEM Award**

**Charles F. Bartel, Jr., Moog, Inc.**

Mr. Bartel is a 45+ year practitioner of Modeling & Simulation (M&S) with precision motion control products, long serving as a Product Application Manager at Moog, Inc. He was instrumental in the formation of the Association of International Motion Engineers (AiME), which provided certification for the motion control industry. He is a career advocate of science, technology, education, and mathematics (STEM) in the M&S community lending his expertise to the 'America's Teacher's at I/ITSEC' program.



**NTSA 2019 Lifetime of Service Recognition**

**Colonel Joseph William Kittinger Jr., USAF (Ret)**

Colonel Kittinger has spent a lifetime dedicated to military service and pushing the aerospace and aeronautics limitations, helping DoD, NASA and the USAF in researching and developing many aerospace technologies that are still in use today for both commercial and military applications. His fearless determination helped the US to understand many safety issues facing pilots at high altitude, and assisted engineers and scientists in their aeronautical design and research.



**Discover the many benefits of NTSA Corporate Membership**

Corporate members of NTSA receive **early space selection and discounts on exhibit 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

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