



DOWNLOAD  
MOBILE APP

# ECOSYSTEM OF LEARNING

## EcosySTEM OF LEARNING AT I/ITSEC

The EcosySTEM of Learning (EoL) focuses on strategically and tactically building interest and educational momentum through a wide breadth of Science, Technology, Engineering and Mathematics (STEM) initiatives. The EoL mission is to establish, nourish, and maintain a solid foundation for launching future leaders and fostering the future workforce.

Designed for agility and diversity, the EoL is built upon four major cornerstones. Each cornerstone is comprised of initiatives which provide impactful substance to the EoL architecture and to those who engage.

### OUTREACH

ENCOUNTERS THROUGH OBSERVATION,  
INTERACTION, AND IMMERSION.

- Student Tours
- Interaction with STEM focused organizations
- Path for year round engagement opportunities

### DISCOVERY DEN

PLATFORMS PROMOTING PRESENTATION SKILLS  
AND SHARING OF SUBJECT MATTER EXPERTISE.

- Informative Exhibits
- Serious Games Showcase & Challenge
- Presentation Theatre

### FOCUSED WORKSHOPS

CURRICULUM THROUGH CLASSES, SHORT  
COURSES, SEMINARS, AND MORE.

- Teacher Focused
- Student Focused
- Workforce Development

### CAREER INVESTMENT

ADVANCEMENTS WITH LONG TERM  
PROFESSIONAL GOALS IN MIND.

- Tutorials
- Professional Development Workshops
- Scholarship Program
- Career Fair
- Continuing Education Units (CEUs)
- University Collaboration



**EcosySTEM OF LEARNING BOOTHS**

**2285 – 2594**

### STEM PAVILION SPONSORS

BAE SYSTEMS

SCIENTIFIC RESEARCH CORP.

VMASC





HAVE QUESTIONS? ASK BLU!  
TEXT "HI" TO 866.653.1575  
OR  
SCAN THE QR CODE! →



# ECOSYSTEM OF LEARNING

## NTSA EcosySTEM OF LEARNING AT I/ITSEC

### Launching Future Leaders Fostering the Future Workforce

NTSA recognizes the need to maintain a strong workforce to enable the growth and development of the modeling, simulation, and training (MS&T) industry. Doing so requires strong, productive Science, Technology, Engineering and Mathematics (STEM) programs that are impactful to all phases of learning: absorption, nurturing, practicing. Disciplines applicable to current, emerging, and future requirements of MS&T are experienced through observation, interaction, and immersion.

NTSA enables a significant multidimensional STEM program platform which offers many opportunities at I/ITSEC and throughout the year. Initiatives are tailored to support (1) self-motivated learners that prefer independent learning, (2) friendly competitions, and (3) peer collaboration.

The EcosySTEM for Learning provides both physical and virtual platforms for global participation by students, teachers, and industry professionals. Experiences include observation, interaction, and situation immersion which tax the human sensory systems — which then becomes knowledge driven by curiosity and ambition.

At I/ITSEC, the EcosySTEM of Learning demonstrates applications of DoD technology through education initiatives, sample national initiatives highlighting military/community partnerships in education, benchmark outreach programs by companies to support education, undergraduate, graduate, and post graduate opportunities in STEM to support the future workforce. The program continues to adapt and incorporate the latest sciences and technologies into the many initiatives fostered with the ecosystem.

## EcosySTEM OF LEARNING SCHEDULE

### MONDAY, 2 DECEMBER

#### ROOM 331D

0800 – 1700 K-12 Teacher Training

### TUESDAY, 3 DECEMBER

#### ROOM 331C

0800 – 1700 STARBASE Teacher Training

#### ROOM 331D

0800 – 1700 K-12 Teacher Training

### WEDNESDAY, 4 DECEMBER

#### ROOM 331C

0800 – 1700 STARBASE Teacher Training

#### ROOM 331D

0800 – 1700 Problem Challenge

#### BOOTH 2395

1400 – 1530 Value Proposition of STEM in Acquisition Talent Management

#### BOOTH 2395

1600 – 1700 Problem Challenge Awards

### THURSDAY, 5 DECEMBER

#### ROOM 331C

0900 – 1000 Career Panel

#### BOOTH 2909

1300 Serious Games Showcase & Challenge Awards Ceremony

### THROUGHOUT THE CONFERENCE

**BOOTH 2285** Serious Games Showcase & Challenge

VISIT THE INFO DESK IN BOOTH 2484 FOR THE LATEST EOL LINEUP.

**TEACHER FOCUSED:** Teachers inspire and educate the modeling and simulation community's future professionals. Educator training, mentorship, and experiential opportunities support development and community engagement.

**STUDENT FOCUSED:** Programming is comprised of live, online, and on-demand opportunities for students to share their own experiences, to learn about what others are doing, and to interact with professionals.

**WORKFORCE DEVELOPMENT:** Building upon networks and relationships, today's workforce continues to thrive through life-long learning.

## I/ITSEC ECOSYSTEM OF LEARNING PAVILION 2024 • CENTRAL FLORIDA STEM EDUCATION COUNCIL & I/ITSEC STEM COMMITTEE

### Exhibiting STEM Organizations

Returning this year to the STEM exhibit area are the following organizations:

- Team Orlando STEM represented by
- NAWCTSD STEM
- AFRL GRILL (Gaming Research Integration for Learning Lab)
- DoD STARBASE
- FIRST Robotics
- University of Central Florida STEM Aviation Showcase
- Astronaut Scholarship Foundation
- Larson Motorsports

### Discovery Den Presentations

The stage area of the Discovery Den will offer a full schedule of presentations showcasing various aspects of the STEM pipeline.

- Presentations by each exhibiting STEM organization in collaboration with one of their industry partners showcasing the value to industry of being involved with STEM education organizations
- Presentations by NTSA university members spotlighting their areas of research and academic programs relevant to MS&T
- A Special Event organized by USMC PM TRASYS on the "Value Proposition of STEM in Acquisition Talent Management" and featuring speakers from the Army, Navy, Air Force, and Marine Corps
- Presentations by student teams participating in the Problem Solving Workshop

### Student Poster Session

This year, we are partnering with Shenandoah University Center for Immersive Learning to host a group of students in the AR/VR degree program. The students will present their program and host either a poster session or demonstrations of their immersive reality projects. Based on the response and feedback to this pilot effort, other universities will be invited to participate in the coming years.

### EcosySTEM of Learning Information Desk

Front and center in the Discovery Den will be the Information Desk again this year providing the following:

- Assistance connecting visitors to the exhibiting STEM organizations
- Information about the Career Fair and CMSP program
- Promotion of the presentations
- Reminders to attendees to cast their Serious Games vote

### Sponsorships

In addition to the funding provided annually by the Central Florida STEM Education Council to pay for power to the STEM organization booths in the Pavilion, part of a donation UCF by KBR is targeted to be used to cover STEM Pavilion costs as well (audio equipment, power, etc.).





DOWNLOAD  
MOBILE APP

# CAREER FAIR

WEDNESDAY, 4 DECEMBER • 1300 – 1700 • ROOM 210A

## NTSA CAREER FAIR AT I/ITSEC

Job opportunities are on the rise for the defense industry – leading the way for developing cutting-edge solutions. The career fair welcomes you to be part of the fast-growing Simulation and Training community.

Meet with industry and government organizations with opportunities for new graduates and transitioning professionals at the NTSA Career Fair at I/ITSEC.

This event provides:

- An opportunity to learn more about open jobs available from government and industry partners
- Networking for businesses with subcontracting needs
- A space to learn about the government's perspective and process
- An environment to grow your network

See the Career Fair website at [IITSEC.org/CareerFair](http://IITSEC.org/CareerFair) for registration information. I/ITSEC attendees do not need to register to attend the Career Fair. Participating organizations will be added to the website as they are confirmed; please visit [IITSEC.org/CareerFair](http://IITSEC.org/CareerFair) for the most up-to-date information. If you have any questions while onsite, please visit the Career Fair on Wednesday, 4 December in Room 210A.

PARTICIPATING ORGANIZATIONS ARE LISTED ONLINE AT  
[IITSEC.org/CareerFair](http://IITSEC.org/CareerFair) and onsite at the Discovery Den Info Desk in Booth 2484.





# SERIOUS GAMES

## SHOWCASE & CHALLENGE

Since 2006, the Serious Games Showcase and Challenge (SGS&C) has been bringing awareness of the impact that games have on personnel development. SGS&C provides annual best-in-class exemplars in a showcase of learning games submitted by businesses, students, and government organizations competing for prestigious awards.

The SGS&C invites you to Booth 2285 to play this year's finalist games, immerse yourself in exciting learning experiences, meet the developers, and cast your People's Choice Award vote.

### Visit the SGS&C at Booth 2285

Learn how games could play in your learning solutions! Join the SGS&C finalists and organizing team in our casual and interactive setting to discuss and experience serious games first hand.

### Play the games and cast your vote

The People's Choice Award is based on votes from attendees like you. Your I/ITSEC badge includes your ballot.

Be sure to play the games and vote by 1800 on Wednesday, December 4th!


### Hear the SGS&C awards announced live

Join us *Thursday, December 5<sup>th</sup>* at 1300 in the Innovation Showcase (Booth 2909) for the Awards Ceremony announcing:


- Best General Audience Serious Game
- Best Government Audience Serious Game
- Best Student-developed Serious Game
- Serious Game Innovation Award
- Students' Choice Award
- People's Choice Award

### Recognize our generous sponsors

- ARA Virtual Heroes Division
- Engineering & Computer Simulations, Inc.
- VMASC
- Mass Virtual
- Hatalom Corporation
- HP
- BreakAway Games
- Box
- National Training and Simulation Association

 serious-games-show-case-challenge

 @sgschallenge

 sgchallenge



WWW.SGSCALLENGE.ORG

For more information: [sgschallenge@gmail.com](mailto:sgschallenge@gmail.com) or **Jenn McNamara**: [jmcnamara@breakawaygames.com](mailto:jmcnamara@breakawaygames.com)







DOWNLOAD  
MOBILE APP

# SCHOLARSHIPS

## 34th ANNUAL RADM FRED LEWIS POSTGRADUATE SCHOLARSHIP RECIPIENTS

The Annual **RADM Fred Lewis I/ITSEC Postgraduate Scholarships** are offered to stimulate student interest and university participation in preparing individuals for leadership in the Modeling & Simulation, Training, and Education communities. RADM Fred Lewis served as the NTSA President from 1995 – 2012 and initiated important core programs to identify and credential a professional workforce and established educational programs to stimulate interest in M&S careers at all grade levels. RADM Lewis knew by investing in our future workforce, these scholarships will encourage expansion of the I/ITSEC community and promote innovation through direct investment in our community's future leaders.



**Paul Brown**  
Western Governors University  
Computer Science and/or  
Information Sciences



**Christine Kwon**  
Carnegie Mellon University  
Computer Science and/or  
Information Sciences



**William (Liam) Stalker**  
Wright State University  
Human Factors



**Sara Florkey**  
Florida Southern College  
I/O Psychology



**Logan Lane**  
Virginia Tech  
Computer Science and/or  
Information Sciences



**Genna Telschow**  
University of Central Florida  
Human Factors



**Javier Garza**  
The George Washington  
University  
Engineering



**Sabina Patel**  
Embry-Riddle Aeronautical  
University  
Human Factors

## 8th ANNUAL LEONARD P. GOLLOBIN POSTGRADUATE SCHOLARSHIP RECIPIENTS

The **Leonard P. Gollobin Graduate Scholarship** program was generously bequeathed by Mr. Gollobin to direct students developing their technical talents into the defense industry. Throughout his career, Mr. Gollobin led scientific initiatives that improved our defense systems and strategically shaped our military capabilities. NTSA administers this scholarship with the intent to provide financial support for those seeking advanced degrees and a path to leverage their commitment to strengthen our nation's security. The awards are offered at a Masters level in the amount \$5,000, and at a Doctoral level in the amount \$10,000.



**Michelle Aros**  
Embry-Riddle Aeronautical  
University  
Human Factors



**Corey Kado**  
Florida Polytechnic University  
Human Factors



**Rory Bogan**  
The George Washington  
University  
Engineering



**Kristen Schmidt**  
University of Central Florida  
Human Factors



**Jonathan Harbin**  
American Public University  
Computer Science and/or  
Information Sciences



**Rohana Swihart**  
Prescott College  
Instructional Design and Training  
Methodology



**Sean Hinkle**  
University of Central Florida  
Human Factors





HAVE QUESTIONS? ASK BLU!  
TEXT "HI" TO 866.653.1575  
OR  
SCAN THE QR CODE! →



# SCHOLARSHIPS

## BARBARA McDANIEL UNDERGRADUATE SCHOLARSHIP

NTSA manages the **Annual Barbara McDaniel Undergraduate Scholarship** program, implemented in 2019. The scholarship does not follow the postgraduate scholarship submission process. The NTSA scholarship committee pre-selects three academic institutions and those three institutions select up to two students for a combined award of \$10,000. Barbara began her career as an educator prior to joining NTSA in 1993, as such these awards honor her life-long passion in the education of our youth. NTSA understands the importance of students pursuing Modeling & Simulation degrees and how vital it is to the modeling, simulation, and training (MS&T) industry. These scholarship awards will keep the MS&T workforce pipeline filled, starting at the Undergraduate level.

In its fifth year, NTSA awarded \$10,000 to each of three universities:

- **Kent State University**, Kent, OH
- **North Carolina Agricultural and Technical State University**, Greensboro, NC
- **University at Buffalo**, Buffalo, NY

## NTSA CMSP SCHOLARSHIP AT I/ITSEC



**Rodney (Adam) Wade**  
Auburn University  
Engineering

NTSA manages the **Annual Certified Modeling and Simulation Professional (CMSP) Postgraduate Scholarship**, implemented in 2022, at the Masters level in the amount of \$5,000. The Certified Modeling & Simulation Professional (CMSP) certification program was created in 2002 to provide the Modeling & Simulation (M&S) industry with its own professional certification that remains valid for four years before recertification is required. The CMSP designation recognizes professionals with extensive experience and expertise in M&S.

For more information about the CMSP program, visit [www.NTSA.org/CMSP](http://www.NTSA.org/CMSP).

## IMPORTANT DATES FOR 2025

**When to Apply** Applications must be submitted by 21 June 2025.

**DON'T  
DELAY!**

### How to Apply

See <https://www.iitsec.org/education/career-investment/scholarships> for complete application details.

**Award Announcement** 2 August 2025

## POSTGRADUATE SCHOLARSHIPS

Looking for Future Leaders in the Simulation, Training and Education community? Learn more about the I/ITSEC community at [www.iitsec.org](http://www.iitsec.org).

### Eligibility

U.S. Citizens • Full-time Masters or Doctoral students (complete undergraduate work by Spring 2026.)  
See Study Disciplines at <https://www.iitsec.org/education/career-investment/scholarships>

**Award Amounts** Available for Fall 2025  
\$10,000 (Doctoral Candidates)  
\$5,000 (Masters Candidates)  
Be our guest at I/ITSEC  
1 – 5 December 2025

### Direct Further Inquiries To

I/ITSEC Scholarship Program  
Reneé Despot, Director, NTSA Meetings & Operations  
(703) 247-9490 or [rdespot@NTSA.org](mailto:rdespot@NTSA.org)

### Scholarship Chair

Janet Spruill, Aptima, Inc.

### I/ITSEC 2025 Scholarship Deputy Chair

Jim Threlfall, Tipping Point Solutions, Inc.