

ECOSYSTEM OF LEARNING AT I/ITSEC



Our mission is to establish, nourish, and maintain a solid foundation for launching future leaders and fostering the future workforce — for tomorrow and beyond!

Debuting with I/ITSEC 2021, our EcosySTEM of Learning focuses on strategically building interest and educational momentum through STEM initiatives. Initiatives are designed to build confidence and grow competencies by providing holistic training paths which prepare today's learners for a successful tomorrow.

Our robust program, enabled by NTSA, provides relevant learning opportunities for:

AMERICA'S STUDENTS ■ AMERICA'S TEACHERS ■ AMERICA'S WORKFORCE

OUTREACH THROUGH TOURS

- Guided tours of the I/ITSEC exhibit floor
- Virtual tours

OUTREACH THROUGH PLATFORMS

- Serious Games Showcase & Challenge
- EcosySTEM of Learning Pavilion, including Future Leaders
- Discovery Den (new presentation area in Pavilion!)

OUTREACH THROUGH WORKSHOPS

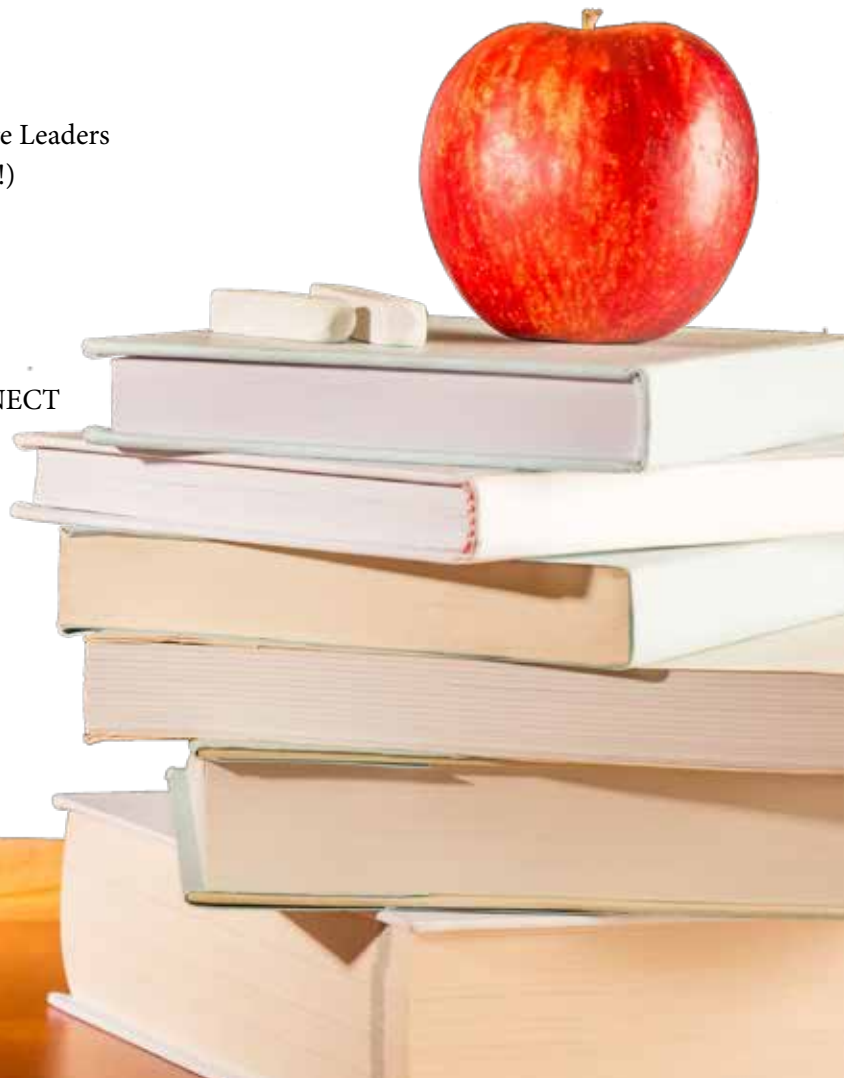
- Teacher focused
- Student focused
- Workforce focused
- Florida High Tech Corridor Council's StemCONNECT

OUTREACH THROUGH CAREER INVESTMENT

- Undergraduate Scholarships
- Postgraduate Scholarships
- Career Fair
- Continuing Education Units

INTERESTED IN SUPPORTING?

- Participate in Golf and the 5K Fundraisers
- Visit the EcosySTEM of Learning Pavillion



BOOTHS 3080 – 3192

ECOSYSTEM OF LEARNING AT I/ITSEC

EcosySTEM OF LEARNING

Launching Future Leader ■ 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 which 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.



AMERICA'S STUDENTS AT I/ITSEC

Provides a forum for students to share their experiences, participate in discussions with subject matter experts (SME), demonstrate technical projects, learn about highend critical technology, and more!

AMERICA'S TEACHERS AT I/ITSEC

Provides opportunities to engage in interactive discussions and events with peers, the MS&T workforce, and SMEs sharing how to trigger ambitious student minds and build curiosity.

AMERICA'S WORKFORCE AT I/ITSEC

Provides insight for both the current and the next generation workforce so they are better prepared, more confident, and knowledgeable in the latest technology developments in MS&T.



CAREER FAIR LIVE • WEDNESDAY, 1 DECEMBER • 1200-1700 • ROOM 331C
CAREER FAIR VIRTUAL • WEDNESDAY, 1 DECEMBER • (MORE DETAILS TO FOLLOW)

NTSA Career Fair at I/ITSEC

COORDINATOR

JEFFREY A. RAVER

Business Development Director,
Naval Business Unit, SAIC

Linking top talent with leading companies in the training, modeling and simulation community is what the I/ITSEC Career Days are all about. Firms across our industry are struggling to identify resources and fill positions while at the same time early career and transitioning veterans are looking for opportunities where they can make a real difference for the warfighter. During this event, a total of up to 30 companies will be available in person and online to interview candidate, answer questions, and fill jobs. Candidates will also have the opportunity to participate in workshops on topics such as resume writing, interviewing skills, and the state of the modeling and simulation industry. All candidates, both virtual and live, will have the opportunity to engage with all recruiters, both onsite and virtual. Recruiting organizations will be added to the website as they are confirmed. We look forward to seeing you.

CAREER FAIR LIVE Wednesday, 1 December • 1200 – 1700 • Room 331C

CAREER FAIR VIRTUAL Wednesday, 1 December (more details to follow)

Participating Organizations will be added as they are confirmed, please visit the I/ITSEC website for the most up to date information.





SERIOUS GAMES

SHOWCASE & CHALLENGE

The Serious Games Showcase and Challenge (SGS&C) invites you to Booth 2880 to play this year's finalist games, immerse yourself in exciting PC, XR, and mobile learning experiences, meet the developers, and cast your vote for the People's Choice Award.

Visit the SGS&C to learn how games can address your serious learning needs and experience the games first hand!

Founded in 2006, the SGS&C aims to bring awareness of the impact that games have on learning, and to provide quality exemplars. Within a casual and interactive setting, the SGS&C provides a showcase of best-in-class learning games submitted by businesses, students, and government organizations while offering the developers recognition of their achievements as finalists and award winners.

Play the games and cast your vote for the People's Choice Award by 1800 Wednesday, December 1st.

The People's Choice Award is based on votes from attendees like you. Your I/ITSEC badge includes your ballot. Be sure to visit the booth to play the games and vote!

Hear the SGS&C awards announced live on Thursday, December 2nd.

Join us at 1300 in the Innovation Showcase (Booth 2588) for the Awards Ceremony.

- Best Business-developed Serious Game
- Best Government-developed Serious Game
- Best Student-developed Serious Game
- Best XR Serious Game
- Innovation Award
- People's Choice Award

**Check out the
Finalist Games
BOOTH 2880**

**2021 Serious Games
Showcase & Challenge**

For more information:


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 [sgschallenge](https://www.facebook.com/sgschallenge)

 [@sgschallenge](https://twitter.com/sgschallenge)

 [sgschallenge.com](https://www.sgschallenge.com)

 [serious-games-show-
case-challenge](https://www.linkedin.com/company/serious-games-showcase-challenge)

31ST ANNUAL RADM FRED LEWIS POSTGRADUATE SCHOLARSHIP RECIPIENTS

In honor of RADM Fred Lewis, the former President of NTSA, these scholarships are offered to stimulate student interest and university participation in preparing individuals for leadership in the Modeling & Simulation, Training, and Education communities. By investing in our future workforce, the scholarships encourage expansion of the I/ITSEC community and promote innovation through direct investment in our community's future leaders. The awards are offered at a Masters level in the amount \$5,000, and at a Doctoral level in the amount \$10,000.



Nicholas Armendariz
University of Central Florida
Modeling, Simulation & Training



Kendall Carmody
Florida Institute of Technology
Aviation Human Factors



Alex Renner
Iowa State University
Mechanical Engineering & HCI



Grace Waldfogle
University of Central Florida
Human Factors & Psychology



Edwin Michael Bearss
The University of Alabama in Huntsville
Modeling & Simulation



Elaine Choy
Embry-Riddle Aeronautical University
Human Factors



Hannah Solini
Clemson University
Applied Psychology



Tiffany Bisbey
Rice University
I/O Psychology



Tyree Cowell
Carnegie Mellon University
Education Technology and Applied Learning Science



Joshua Stewart
Virginia Tech
Power Electronics

BARBARA MCDANIEL UNDERGRADUATE SCHOLARSHIP

NTSA continues the **Barbara McDaniel Undergraduate Scholarship** program this year to acknowledge the substantial contributions of a long-time I/ITSEC leader. Mrs. McDaniel, the recipient of the I/ITSEC 2017 Lifetime Achievement Award, tirelessly supported all aspects of I/ITSEC since 1993. She began her career as an educator, so these awards will 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 new scholarship awards will keep the MS&T workforce pipeline filled, now starting at the Undergraduate level.

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

- **The DAVE School**, Orlando, Florida
- **George Mason University**, Fairfax, Virginia
- **Old Dominion University (ODU)**, Norfolk, Virginia

5TH ANNUAL LEONARD P. GOLLOBIN POSTGRADUATE SCHOLARSHIP RECIPIENTS



Daryn Dever
University of Central Florida
Modeling & Simulation



Megan Wiedbusch
University of Central Florida
Education in Learning Sciences

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.

IMPORTANT DATES FOR 2022

When to Apply Applications must be postmarked by 24 June 2022. (Don't Delay!)

How to Apply See <http://www.iitsec.org/education/students-and-teachers/scholarships> for complete application details.

Award Announcement 5 August 2022

See Study Disciplines at <http://www.iitsec.org/education/students-and-teachers/scholarships>

Award Amounts Available for Fall 2022
\$10,000 (Doctoral Candidates)
\$5,000 (Masters Candidates)
Be our guest at I/ITSEC 28 Nov – 2 Dec 2022

Direct Further Inquiries and Provide Submissions

I/ITSEC Scholarship Program
c/o The National Training and Simulation Association
2101 Wilson Boulevard, Suite 700
Arlington, VA 22201
(703) 247-9490 or rdespot@NTSA.org

Scholarship Chair
Janet Spruill, Aptima, Inc.

POST GRADUATE SCHOLARSHIPS

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

Eligibility U.S. Citizens • Full-time Masters or Doctoral students (complete undergraduate work by Spring 2022).



NOTES
