



THE 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
- 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

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.



TEACHER FOCUSED: The modeling and simulation depends on a pool of talented engineers, computer scientists, and behavioral scientists, among other professionals.

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 participate in discussions with professionals.

WORKFORCE DEVELOPMENT: Building upon networks and relationships, today's workforce continues to thrive, experience another step in life-long learning.



WEDNESDAY, 30 NOVEMBER • 1200-1700 • ROOM W110AB

NTSA CAREER FAIR AT I/ITSEC

PARTICIPATING COMPANIES

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 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, will have the opportunity to engage with all recruiters. Recruiting organizations will be added to the website as they are confirmed.

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



MONDAY, 28 NOVEMBER

ROOM 1

0830 – 1700 K-12 Teacher Training

TUESDAY, 29 NOVEMBER

ROOM 1

0900 – 1600 STARBASE Teacher Training

ROOM 2

0900 – 1600 STARBASE Teacher Training

ROOM TBD

1230 – 1300 Teacher Mentorship Meet and Greet

1300 – 1400 Intro to Modeling and Simulation for Teacher
Mentorship Program

WEDNESDAY, 30 NOVEMBER

ROOM 1

0900 – 1600 STARBASE Teacher Training

ROOM 2

0900 – 1600 STARBASE Teacher Training

THURSDAY, 1 DECEMBER

ROOM 1

0830 – 0915 Student Problem Challenge Launch

0930 – 1030 Career Panel

1030 – 1200 Student Problem Challenge

ROOM 2

1030 – 1200 Student Problem Challenge

**QR
CODE**

**DISCOVER DEN, BOOTH XXXX-XXXX, FOR
THE LATEST PRESENT THEATRE LINE-UP.**

SCHOLARSHIPS

33RD 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.



Joseph Bakhtiar
Georgia Institute of Technology
OPERATIONS RESEARCH/SYSTEMS
ANALYSIS/MATHEMATICS



Crystal Fausett
Embry-Riddle Aeronautical
University
HUMAN FACTORS



Paige Lawton
Embry-Riddle Aeronautical
University
HUMAN FACTORS



Christopher Campanelli
University of Central Florida
ENGINEERING



Ryan Hilger
Colorado State University
ENGINEERING



Feena Phakasoum
University of San Diego
CYBER SECURITY



Daniel Colvett
University of Alabama in Huntsville
ENGINEERING



Cory Ilo
Virginia Tech
ENGINEERING



Maxwell Stolarenko
University of Central Florida
ENGINEERING

7TH 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.



Sydney Begerowski
Clemson University
HUMAN FACTORS



Dillon Hill
University of California, Davis
INSTRUCTIONAL DESIGN AND
TRAINING METHODOLOGY



Chase Burciaga
Texas A&M George HW Bush
School of Government and Public
Service
ENGINEERING



Kenzie Hurley
Clemson University
I/O PSYCHOLOGY



Nathan Colvin
Old Dominion University
INTERNATIONAL RELATIONS



Betta Lyon Delsordo
Georgia Institute of Technology
COMPUTER SCIENCE/INFORMATION
SCIENCES



Cherrise Ficke
Florida Institute of Technology
HUMAN FACTORS



Briana Sobel
University of Central Florida
HUMAN FACTORS



Allison Garibaldi
University of Central Florida
HUMAN FACTORS

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:

- **Georgia Institute of Technology**, Atlanta, GA
- **Texas A&M University**, College Station, TX
- **University of Colorado Colorado Springs**, Colorado Springs, Colorado

NTSA CMSP SCHOLARSHIP AT I/ITSEC



Tyler Kleinsasser
SD School of Mines and Technology
ENGINEERING

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. The award is offered at the Masters level in the amount \$5,000.

For more information about the CMSP program,
visit www.NTSA.org/CMSP.

IMPORTANT DATES FOR 2023

**(DON'T
DELAY!)**

When to Apply Applications must be postmarked by 23 June 2023.

How to Apply

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

Award Announcement 4 August 2023

POSTGRADUATE 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 2023).

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

Award Amounts Available for Fall 2023

\$10,000 (Doctoral Candidates)

\$5,000 (Masters Candidates)

Be our guest at I/ITSEC

27 November – 1 December 2023

**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.