NTSA

NATIONAL TRAINING AND SIMULATION ASSOCIATION
THE VOICE OF THE TRAINING & SIMULATION COMMUNITY

AIR FORCE
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INTERSERVICE/INDUSTRY TRAINING, SIMULATION & EDUCATION CONFERENCE

OPTIMIZING TRAINING: ENSURING OPERATIONAL DOMINANCE

1 DECEMBER – 5 DECEMBER 2025

I/ITSEC 2025 PREVIEW

1 DECEMBER – 5 DECEMBER 2025 | ORLANDO, FLORIDA
WWW.IITSEC.ORG

NDIA

2025 CALL FOR PRESENTATIONS

OPTIMIZING TRAINING: ENSURING OPERATIONAL DOMINANCE

1 DECEMBER – 5 DECEMBER 2025

Orange County Convention Center
Orlando, Florida USA

ORGANIZED BY
National Training and Simulation Association
an affiliate of
National Defense Industrial Association

This is your opportunity to be a part of I/ITSEC 2025 and share your innovative solutions with the community that serves our nation's Warfighters and the service men and women of our international partners. In addition to the vast exhibit floor that showcases the best of our industry's leading-edge technical developments, I/ITSEC provides a comprehensive technical program that includes paper presentations, tutorials, professional development workshops, and special events. Through these knowledge sharing opportunities, members from government, industry, and academia are able to learn from one another and push capabilities to solve the community's most pressing challenges.

The time from training to field implementation of knowledge and skills continues to compress, with an escalating need for user-centered training solutions that optimize learning, retention, and real-time support at the point of need to ensure mission success. I/ITSEC provides the premiere venue to share advancing technologies designed to keep our Warfighters prepared against complex, dynamic, distributed threats. This year's theme "Optimizing Training: Ensuring Operational Dominance" developed by our lead service this year, the United States Department of the Air Force (USAF and USSF) puts focus on training transfer – ensuring that all training solutions are optimized to result in highly effective and efficient tactical and operational impacts. While advances in training have evolved to incorporate immersive environments, AI/ML, distributed collaborative spaces, and comprehensive digital engineering infrastructures, it is critical that the result of all training ensures mission dominance and mission success.

We call on you — modeling & simulation, training, education, and acquisition community leaders — to contribute to the I/ITSEC 2025 program by submitting an abstract to one of the program elements listed below. We look forward to receiving your best ideas as we build out the industry's leading opportunity to share the latest knowledge and results on modeling and simulation solutions for training and education.

ANNE LITTLE, PH.D.
2025 Conference Chair

KELLY HALE, PH.D.
2025 Program Chair

IMPORTANT DATES

Instructions for each step will be posted at least two weeks before the process opens.

17 JANUARY – 9 MARCH	Abstract, Tutorial, Workshop Portal Open
11 APRIL	Authors Notified of Abstract/Tutorial Review Results
15 APRIL – 27 JUNE	Paper Submissions
15 APRIL – 27 JUNE	Tutorial/Workshop Draft Submissions
11 JULY	Clearance Forms Due
NLT 8 AUGUST	Authors notified of submission review results
15 AUGUST	Submission Updates in Portal for Print Program
12 AUGUST – 6 OCTOBER	All Final Presentation Submissions
1 – 5 DECEMBER	I/ITSEC 2025

THE CONFERENCE

The Interservice/Industry Training, Simulation and Education Conference (I/ITSEC) is the world's largest modeling, simulation and training event. Held near the beginning of December in Orlando, Florida, USA, I/ITSEC consists of peer-reviewed paper presentations, tutorials, professional development workshops, special events, a commercial exhibit hall, a serious games competition, and STEM events for teachers and secondary students. I/ITSEC is organized by the National Training and Simulation Association (NTSA), which promotes international and interdisciplinary cooperation within the fields of modeling and simulation (M&S), training, education, analysis, and related disciplines at this annual meeting. The NTSA is an affiliate subsidiary of the National Defense Industrial Association (NDIA). Hence, I/ITSEC also emphasizes themes related to defense and security. I/ITSEC is an annual forum for representatives from the military, industry, and academia to connect and share knowledge. The conference draws 17,500 attendees from industry, government and academia, and features over 450 exhibits.

The United States Department of the Air Force (USAF and USSF) will serve as the lead service for I/ITSEC 2025 in partnership with all military services.

PAPERS

The I/ITSEC 2025 Conference Committee invites you to submit previously unpublished work to be shared with the community. Prospective authors are encouraged to read through the subcommittee descriptions (see next page) and submit abstracts for papers that highlight training and educational advances that drive operational dominance. All paper presentations will be offered for Continuing Education Units (CEUs).

PAPER PROCESS

The complete three-stage process for submitting papers is detailed in the I/ITSEC Author's Handbook (available for download from the Authors section of the I/ITSEC website).

ABSTRACTS (Stage P1). Please read the subcommittee descriptions carefully to determine the track that best matches the intent of your paper to maximize your chances of being accepted. It is also vital that you submit your abstract on time. Please refer to www.iitsec.org for additional details.

PAPERS (Stage P2). If your abstract is selected, you will be assigned a bird dog who will be your liaison to the subcommittee and the champion for your paper. Your chances of having your paper accepted are significantly greater if you work closely with your bird dog. Papers are accepted for both publication in the conference proceedings and presentation at the conference. The selection process includes a Best Paper nominee from each subcommittee that will be considered for the overall conference Best Paper. Detailed instructions for completing and submitting your paper will be available on the I/ITSEC website.

PRESENTATIONS (Stage P3). If your paper is accepted, then you will be required to submit a presentation for review prior to the conference. Presentations should be designed for a 20-minute timeslot, plus five minutes for questions and answers. Detailed requirements for the presentations will be available on the I/ITSEC website.

TUTORIALS

2025 CHAIR: **CHARLES COHEN** • ccohen@cybernet.com

I/ITSEC presents a comprehensive tutorials program covering a diverse set of topics essential to the simulation, training, and education communities. Each tutorial is focused on building skills and provides an opportunity to earn CEUs. Tutorials are 90 minutes in length.

The tutorial program provides learning opportunities in two focus areas:

1) FOUNDATIONAL: Topics related to skills and knowledge required by practitioners in the I/ITSEC community. This includes topics to prepare for or maintain certification as a Certified Modeling and Simulation Professional (CMSP).

2) EMERGING and INOVATIVE: Concepts of particular interest to I/ITSEC attendees that provide skills in new and evolving technologies.

Tutorials should not include hands-on or audience participation elements other than questions at the end. Proposals that involve these activities should be submitted to Professional Development Workshops (below). Tutorials focused on specific products are not permitted.

TUTORIALS PROCESS

The complete three-stage process for submitting tutorials is detailed in the I/ITSEC Author's Handbook, available for download from the Author Information page of the I/ITSEC website (under "Get Involved").

PROPOSAL (Stage T1). As a prospective tutorial presenter, you must submit a complete tutorial proposal including an abstract, detailed outline, intended audience, any prerequisites, and targeted learning objectives. Learning objectives are critical to the Tutorial Board's selection process. The Board also assesses the degree to which proposal topics will contribute to a comprehensive tutorial curriculum encompassing the two focus areas described above.

PRESENTATIONS (Stage T2). If your abstract is selected for expansion into a complete tutorial presentation, you will be assigned a bird dog who will be your liaison to the Tutorial Board and the champion for your presentation. You must submit a complete set of presentation slides to the Tutorial Board for review.

FINAL PRESENTATIONS (Stage T3). If your presentation is selected, you will receive feedback from the Tutorial Board and will have the opportunity to submit a revised and final version of your tutorial presentation.

PROFESSIONAL DEVELOPMENT WORKSHOPS

2025 CHAIR: **BRIAN VOGT** • bvogt@appliedtrg.com

I/ITSEC seeks workshop proposals that offer in-depth and interactive engagement with innovative concepts, technologies and use cases exploring effective training and readiness. Workshops are half-day events. Topics should be of general interest to the I/ITSEC audience across the broad categories of training, education, human performance, and simulation. The session should provide an in-depth treatment of a topic of current relevance or an emerging capability. Submissions from individuals and organizations outside of the traditional boundaries of the defense industry are welcomed. Proposals should describe the general topic for the workshop and a high-level outline of how the workshop would be conducted. Workshops with a thematic connection to a Tutorial are also encouraged as paired events.

THE SUBCOMMITTEES

EDUCATION
2025 CHAIR: **MARRYAM CHAUDHRY**

This subcommittee seeks rigorous research papers that present significant advancements in instructional strategies, methods, technologies, and best practices that demonstrably advance learning outcomes. Submissions should detail innovative approaches across all phases of the learning lifecycle (analysis, design, development, delivery, and evaluation) with a clear focus on accelerating and optimizing learning processes. We strongly encourage papers that present robust quantitative and/or qualitative data from studies with substantial sample sizes, utilizing cutting-edge methodologies and technologies. Of particular interest are studies leveraging big data analytics to drive learning acceleration and generate large-scale datasets suitable for in-depth educational research. The Education Subcommittee welcomes empirically grounded papers that propose and evaluate continuous improvements to military, corporate, or STEM education. These should offer actionable insights supported by solid research methodologies and data analysis, with clear potential for implementation in operational contexts. Priority areas include, but are not limited to, research on enhancing individual, team, collective, joint, and coalition training. We are especially interested in papers examining the efficacy of mobile, social, blended, and adaptive learning strategies in these contexts.

EMERGING CONCEPTS & INNOVATIVE TECHNOLOGIES
2025 CHAIR: **JENIFER WHEELER**

This subcommittee seeks papers that discuss emerging and innovative technologies, methodologies, or concepts in modeling and simulation, training, and education. Papers should clearly explain how the topic advances the state of the science and has relevance within the I/ITSEC community. Of particular interest are research and development papers from DoD emerging concept programs like DARPA, IARPA, SBIR, NavalX, TReX, and AFWERX. New developments in artificial intelligence and machine learning (AI/ML), human-autonomy interaction, advanced computing and software, and integrated sensing and cyber are also of interest. Candidate papers should thoroughly describe the challenges encountered and associated creative solutions implemented to overcome them. Submissions that simply describe applications or instantiations of known fielded technologies are discouraged. Rather, this track emphasizes unique and emerging concepts that enhance the mission effectiveness of the workforce, supporting platforms, systems, components, or materials proposed to be acquired or upgraded. With a focus on leveraging new concepts and technologies each year, this subcommittee offers an opportunity for attendees to find inspiration, gain insight, and support innovation in their own domain.

HUMAN PERFORMANCE ANALYSIS & ENGINEERING
2025 CHAIR: **SCOTT JOHNSTON**

This subcommittee seeks papers that focus on the human dimension — systematically addressing individuals and teams as an integral component within workplace systems. Papers should address the application of HPAE technologies, human performance measurement and effectiveness models, methods and tools, human-computer interaction (HCI), usability/user experience (UX), decision/performance support systems, and the impact of HPAE on organizational outcomes. Specifically, the subcommittee seeks papers that present robust quantitative and/or qualitative data from studies with substantial sample sizes, utilizing cutting-edge methodologies and technologies. Of particular interest are studies describing how particular interventions such as wearable, ingestible or off-body sensors, human interfaces to extended realities (XR), human-machine teaming, personalized adaptive monitoring, predictive algorithms or decision support solutions leverage and extend the capabilities of an individual and/or a team, improve learning transfer and provide positive operational impact. Papers supported by human performance data gathered from scientifically valid experiments are especially valued.

POLICY, STANDARDS, MANAGEMENT & ACQUISITION
2025 CHAIR: **ROBERT EPSTEIN**

This subcommittee seeks papers related to policy and standards challenges associated with the acquisition, implementation, and maintenance of education, training, and simulation capabilities. This includes policy-related topics regarding training systems development and associated content, delivery, and sustainment. Papers are sought that provide insight into innovative approaches or managing requirements for acquiring, implementing, and sustaining these capabilities. Papers should provide qualitative and/or quantitative analysis of data to help substantiate outcomes; and where possible, characterize innovative processes or techniques to improve return on investment. Papers may address emerging policy, standards, or the need for policy or standards with respect to education, training, simulation, data analytics and cybersecurity. Topics of particular interest for the current year include emerging concepts in policy and standards, including Other Transaction Authority (OTA) implications to the training and simulation communities, sustainability, and outcome-focused approaches to training and simulation acquisition, development, execution and evaluation. Cyber policies dealing with the introduction of new technologies such as AI, XR and digital engineering are a valued contribution. The PSMA subcommittee also has a continuing interest in papers that address innovative intellectual property solutions that support maintenance and competition across the education, training and simulation industry.

SIMULATION
2025 CHAIR: **TARA KILCULLEN-OLIVA**

This subcommittee seeks innovative papers on the applied science of modeling and simulation, simulation architectures or techniques, as well as the exploration of synthetic entities or environments and how they apply to training, mission rehearsal, analysis, experimentation or research. Papers should present and explain concepts, theories and or applications that bring innovation to the modeling and simulation enterprise. Discussions should detail the technical challenges, past lessons, and unique and creative developments associated with developing, interacting with, and maintaining simulation systems. Topics of interest include evolving modeling and simulation technology, expanding interoperable simulation architectures, realistic human behavioral modeling, medical simulation, replication of cyber effects, and innovation in representing physical entities and behavioral actions within live, virtual, constructive, mixed reality and gaming environments.

TRAINING
2025 CHAIR: **MIKE THORPE**

This subcommittee seeks papers that discuss the application of innovative concepts, methods and technologies to create effective training solutions. Papers should present a clear problem description, state-of-the-science from current literature, analysis of current needs and training gaps, and practical application. Example topics include adaptive training, training system integration and interoperability, training applications of AI/ML, individual and collective team training, learning engineering, innovative training strategies, and competency-based training and assessment. Descriptions of implemented solutions' effectiveness supported by quantitative and/or qualitative data are encouraged. Emerging technologies of interest include extended reality (XR), semi-automated training and assessment generation, mobile training, distributed training across time and space, and training techniques that deal with rapidly changing or austere conditions. The subcommittee is interested in all phases of training system development including planning, analysis, design, development, deployment, evaluation, and lifecycle maintenance.

35th Annual
I/ITSEC POSTGRADUATE SCHOLARSHIPS

NATURE OF SCHOLARSHIP

The Interservice/Industry Training, Simulation and Education Conference (I/ITSEC) is pleased to announce the National Training & Simulation Association (NTSA) Thirty-Fifth Annual RADM Fred Lewis Postgraduate Scholarships, Ninth Annual Leonard P. Gollobin, and Third Annual Certified Modeling and Simulation Professional (CMSP)Postgraduate Scholarships. These awards are offered at a Masters level in the amount $5,000 and at a Doctoral level in the amount of $10,000. If suitable candidates for one level are not identified, funds may be combined to provide two awards at the same level of study. The scholarship recipient(s) will attend I/ITSEC 2025 (1 – 5 December 2025) at the expense of NTSA, where they will be recognized; view the latest in simulation, training, and education technologies; and meet leading figures from government, industry, and academia associated with this community.

ELIGIBILITY

The applicant must be a U.S. citizen and successfully complete undergraduate studies by the end of Spring Term 2026. The applicant also must be enrolled or accepted for a full-time masters or doctoral program at a U.S. Institution with a focus in any of the following areas:

- Engineering (Modeling, Simulation and/or Training Related; Systems Engineering)
- Operations Research/Systems Analysis/Mathematics
- Distance Learning Methodologies
- Human Factors (Psychology or Engineering)
- Instructional Design and Training Methodology
- Computer Science and/or Information Sciences

SELECTION CRITERIA

- The applicant must have a stated interest and career goal in the Modeling & Simulation, Training and/or Education Industry.
- The award will be based on student merit as determined from the submitted application documents (see "How to Apply").

CONDITION OF AWARD

- The scholarship must be used for education expenses (tuition, books, fees, room and board) and is subject to the established procedures/policies of the applicant's institution.
- Applicant must be enrolled full-time at the time of being awarded the scholarship.
- Applicant must be available to attend I/ITSEC.
- If the successful applicant terminates their graduate studies and there are remaining funds, the institution will retain such funds for award to another student of their choice following the above eligibility guidelines.
- The successful applicant will prepare an abstract and, if approved, a paper to be presented at I/ITSEC in the respective area of study one year after completion of the degree program or within three years of scholarship receipt, whichever occurs first.
- Those awarded the CMSP Scholarship must complete the CMSP exam within six (6) years.
- Graduate students who are fully funded with other scholarships or grants are not eligible to receive NTSA funds.
- Graduate students who are partially funded are eligible to receive NTSA funds on a case by case basis.

SELECTION PANEL/SCHOLARSHIP ADMINISTRATION

A panel consisting of individuals from academia and I/ITSEC chairs will determine the selection. Administration of the scholarship program will reside with the National Training and Simulation Association (NTSA), an affiliate of the National Defense Industrial Association (NDIA).

HOW TO APPLY

Submit the following at https://www.iitsec.org/education/career-investment/scholarships no later than 21 June 2025.

1. Statement of how the scholarship will aid student in career pursuit (not more than 500 words). The synopsis must include a description on how the scholarship fits into the applicant's planned career by incorporating the Modeling, Simulation, Training or Education field.
2. Proof of U.S. Citizenship (copy of Birth Certificate, Social Security, or Passport).
3. Personal resume to include positions, outstanding awards, publications (if any) and leadership capabilities. Ensure that your contact information (i.e. mailing address, phone, and e-mail) is included.
4. Undergraduate transcript.
5. Graduate transcript (if applicable). Official transcripts preferred.
6. Recommendations from major advisor and one professor from the aforementioned focus areas.

DIRECT INQUIRIES TO: National Training & Simulation Association I/ITSEC Scholarship Program
Reneé Despot, Director, NTSA Meetings & Operations • Phone: (703) 247-9490 • E-mail: rdespot@NTSA.org

SUBMISSION DEADLINE 21 JUNE 2025 • **AWARD ANNOUNCEMENT** 2 AUGUST 2025
FUNDS WILL BE MADE AVAILABLE TO THE STUDENT(S) FOR THE FALL 2025 TERM

ANNUAL I/ITSEC 5K RUN/WALK/ROLL

WEDNESDAY, 3 DECEMBER 2025

OCCC, South Concourse

0530   Packet Pickup

0645   Start Time

http://www.iitsec.org/attendees/planningyourstay • www.facebook.com/iitsec5k

All registered runners will receive a custom race tech shirt, finishers race medal, race bib and official timing by Milestone Race Authority, and post-race refreshments. Tax-deductible registration.

REGISTER BY 1 OCTOBER TO GET A SHIRT

END OF AUGUST – 1 OCTOBER   **$50**
(Register by 1 October to secure your shirt & medal)

2 OCTOBER – 21 NOVEMBER   **$50**
(Shirts & medals are not available)

22 NOVEMBER – 3 DECEMBER   **$65**
(Shirts & medals are not available)

DATES AND RATES SUBJECT TO CHANGE

We are excited to once again be holding the I/ITSEC 5K (3.1 miles) Run/Walk/Roll to benefit the Tunnels to Towers Foundation and the I/ITSEC STEM Initiative. Come out and have a great morning of fun while you support these two great organizations!

YOU HAVE FOUR GREAT OPTIONS TO PARTICIPATE:

❶ **TRADITIONAL 5K PARTICIPATION –** Get out there, watch the sun rise, and put some pavement miles under your feet.

❷ **SNOOZE BUTTON –** Don't do mornings (or running)? We have you covered with this option.

❸ **Virtual 5K –** Want to participate on your own time and your own location? Here is your chance! Run a distance of 5k (3.1mi) the week of I/ITSEC with a GPS enabled app (Run Keeper, Map My Run, Zombies RUN!), like us on Facebook, and tag us with #IITSEC5K.

❹ **NOT INTERESTED IN RUNNING?** Make a donation instead which will go miles in supporting our great charities.

Only in-person participants receive a shirt and medal. Shirt sizes are not guaranteed.
Snooze and Virtual participants do not receive a shirt or medal.

Email Shannon Burch for Sponsorship information at **sburch@NTSA.org**

CHARITIES THE 5K WILL SUPPORT

TUNNEL TO TOWERS: Tunnel to Towers helps America's heroes by providing mortgage-free homes to Gold Star and fallen first responder families with young children and by building custom-designed smart homes for catastrophically injured veterans and first responders. Tunnel to Towers is also committed to eradicating veteran homelessness and aiding the victims of major U.S. disasters.

NTSA EcosySTEM OF LEARNING AT I/ITSEC

I/ITSEC STEM: The I/ITSEC STEM Initiative is a non-profit, 501c3 organization founded and maintained by the National Training and Simulation Association to support and promote activities encouraging students interests and pursuits of Science, Technology, Engineering, and Mathematics. For more information on this ongoing program, please visit the Education / STEM section on the I/ITSEC home page.

WE WILL RETURN IN 2025!

Earle L. Denton Memorial
GOLF TOURNAMENT

Organized by Central Florida Chapter NDIA
Sunday, 30 November **OR** Monday, 1 December 2025

Shingle Creek
G O L F   C L U B

9939 Universal Blvd, Orlando, FL 32819
407-996-9933 • www.shinglecreekgolf.com

DEADLINES

Golf On-Line Registration	TBD
Sponsorship	TBD

TOURNAMENT TIME

Sunday	1100 Registration	1230 Shotgun
Monday	0630 Registration	0730 Shotgun

POINT OF CONTACT
Debbie Berry   407-748-3807 • debbie.berry@lmco.com

FORMAT
Captain's Choice / Scramble

PAIRINGS & REQUESTS
Final assignments and pairings will be made by the tournament coordinator. Priority is based upon receipt of payment.

NOTE: To guarantee requested pairings, all golfers (two, three or four) MUST be entered during a single login session. Golfers registering separately MUST clearly specify pairing requests under comments. The tournament coordinator will attempt to honor all requests.

CANCELLATIONS
Must be received via email to debbie.berry@lmco.com by close of business TBD to receive 50% refund. No refunds thereafter. Substitute golfers are permitted.

ON−LINE REGISTRATION
• Register and/or select sponsorship at https://www.iitsec.org/attend/registration-fees
• Register one to four players per login.

FEES

$130 per player *(green fees, range balls, cart, lunch)*

Coordinate club rentals directly with the pro shop.

SPONSORSHIPS

Details available at **iitsec.org**

Select hole, beverage cart, putting contest or a sponsorship package.

Fees start as low as $500.

SPONSORS

Send your logos via email to debbie.berry@lmco.com no later than TBD. Do not bring your own sign.

*Scholarships and additional qualified initiatives supported through tournament proceeds. For a full list of initiatives (STEM, etc.), contact Central Florida Chapter NDIA.

DATES AND RATES SUBJECT TO CHANGE

SERIOUS GAMES
SHOWCASE & CHALLENGE

ENTER YOUR SERIOUS GAME TO COMPETE FOR PRESTIGIOUS AWARDS

SUBMISSIONS OPEN SUMMER 2025

AIR FORCE
USSF
NAVY
USMC
25
ARMY
INDUSTRY

SHOWCASE YOUR SERIOUS GAME TO
EDUCATION & TRAINING LEADERS AS PART OF
I/ITSEC 2025 IN ORLANDO, FL

X @SGSCHALLENGE   f SGSCHALLENGE   in SERIOUS-GAMES-SHOWCASE-CHALLENGE

WWW.IITSEC.ORG

INTERSERVICE/INDUSTRY TRAINING SIMULATION & EDUCATION CONFERENCE

WWW.SGSCHALLENGE.ORG