

Tuesday, 16 August (all times in Eastern Time, GMT-4)

- 1200-1800 **REGISTRATION OPEN** | Lower Foyer
- 1300-1900 **EXHIBITS OPEN** | Lower Foyer
- 1330-1345 **OPENING CEREMONY & WELCOME** | Plaza Ballroom B/C
 - Angie Gamble, Ph.D., Deputy Director, Training Support Analysis & Integration Directorate (TSAID), U.S. Army; iFEST 2022 Chair
- 1345-1430 **INDUSTRY KEYNOTE SESSION** | Plaza Ballroom B/C
 - Shawna Hoffman, Chief Technology Leader, Legal Strategy & Operations, Dell Technologies
 - *Moderator: Angie Gamble, Ph.D., Deputy Director, TSAID; iFEST 2022 Chair*
- 1430-1600 **PANEL | Military Education and Training** | Plaza Ballroom B/C
This panel of Department of Defense leaders who oversee core components of the U.S. and Allied military training and education systems will address the need to upskill and enhance the Total Force, and how they are taking advantage of the latest policies and technologies to enhance training and education.
 - Rear Admiral Peter Garvin, Commander, Naval Education and Training Command
 - Brigadier-General Krista Brodie, Commander Military Personnel Generation Group, Canadian Armed Forces
 - Caroline Baxter, SES, Deputy Asst. Secretary of Defense for Force Education & Training, U.S. Department of Defense
 - Kimberly Jackson, Deputy Asst. Secretary of Defense for Force Readiness, U.S. Department of Defense
 - William R. Mansell, SES, Director, Defense Support Services Center, Defense Human Resources Activity
 - Celeste Ward Gventer, Ph.D., President, Defense Security Cooperation University
 - *Moderator: Sae Schatz, Ph.D., Director, Advanced Distributed Learning (ADL) Initiative*

1600-1615 **NETWORKING BREAK & EXHIBIT TIME** | Lower Foyer | Refreshments Available

1615-1700 **CONCURRENT TUTORIAL SESSIONS**

<p>Learner Focused Design: xAPI Enabled Adaptivity and Complex Skills Development PLAZA I Judy Katz, Eduworks and Duncan Welder, IV, RISC, Inc.</p>	<p>Just In Time: AI-Driven Micro Learning for Everyone PLAZA II Alec Walker, Alan Harris, and Jerry Castanos, Growth Engine, Inc.</p>	<p>Using xAPI Coding to Track Learning Experiences in Unity with xAPI PLAZA III Art Werkenthin, RISC, Inc.</p>	<p>Learning Experience Management: The Fabric that Knits Together the Total Learning Architecture BEECH AB Sydney Heimbrock, Ph.D., SES, Ryan Twedell, Cydney Miller, Sha'Reff Rashad, and LtCol Jill Leyden, Qualtrics</p>	<p>Meeting Learners' Expectations: A Survey-Based Methodology for Quality Improvement ARBORS Alicia Sanchez, Ph.D., Judith Bayliss, Ph.D., Defense Acquisition University</p>
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1700-1800 **NETWORKING RECEPTION & EXHIBIT TIME** | Lower Foyer

- 1800-1900 **WAR ON THE ROCKS PANEL | Forming the Force: Learning in an Era of Great Power Competition** | Reception continues in the Terrace Room
 - *Moderator: Ryan Evans, Founder and CEO, War on the Rocks*

Wednesday, 17 August (all times in Eastern Time, GMT-4)

- 0700-1730 **REGISTRATION OPEN** | Lower Foyer
- 0730-0830 **CONTINENTAL BREAKFAST** | Lower Foyer
- 0800-1900 **EXHIBITS OPEN** | Lower Foyer

0830-0915

CONCURRENT ACTIVITY SESSIONS

Meeting the Challenges of Cybersecurity Education for DIB Small Businesses

PLAZA II

Ashley Hall, Ph.D., Parallax Advanced Research

Multi-Session Demonstration of Competency-Based Experiential-Learning Model for the US Army Synthetic Training Environment (STE)

PLAZA III

Kevin Owens, ARL: The University of Texas at Austin; Mike Hernandez, Eduworks; Benjamin Goldberg, Ph.D., U.S. Army DEVCOM/SC STTC Orlando

Applying Artificial Intelligence (AI) to New Distributed Learning Challenges in the Post-Pandemic Era

BEECH AB

Robert Sottolare, Ph.D., Soar Technology, Inc.; Xiangen Hu, Ph.D., University of Memphis; Evan Oster, Aptima, Inc.; Henry Phillips, Ph.D., Soar Technology, Inc.

Educational Aspects of Organization Development: Learning by Doing in Technology-Enabled Interventions

ARBORS

Tonya Henderson, Ph.D., ADL Initiative and Phil Brown, Ph.D., Six Points Consulting

0915-0930

NETWORKING BREAK & EXHIBIT TIME | Lower Foyer | Refreshments Available

0930-0935

DAY TWO WELCOME | Plaza Ballroom B/C

- RADM James A. Robb, USN (Ret.), President, National Training & Simulation Association (NTSA)

0935-1015

GOVERNMENT KEYNOTE SESSION | Plaza Ballroom B/C

- Beverly Seay, Southeast Regional Director, National Security Innovation Network
- *Moderator: Frank Kelley, Vice President, Defense Acquisition University*

1015-1130

PANEL | New Paradigms of Learning: Partner and Prevail | Plaza Ballroom B/C

The panel will address the criticality of partnerships for meeting the demands of learners and employers alike, describe innovative and cutting-edge learning partnership models, and outline how the new paradigms of learning need to evolve to meet the changing needs of the world of work.

- Jason Strickland, Workforce PM – East Region, AWS Education to Workforce, Amazon Web Services
- Heather Haseley, Co-Executive Director, Learning Futures, Arizona State University
- Dan Munnerley, Co-Executive Director, Learning Futures, Arizona State University
- Tim Quine, Ph.D., Deputy Vice-Chancellor for Education, University of Exeter
- Sarah Toms, Executive Director, Wharton Interactive
- *Moderators: Nunzio Quacquarelli, Founder and CEO, QS, and Jerry (Yoram) Wind, Ph.D., Emeritus Professor of Marketing, The Wharton School*

1130-1145

NETWORKING BREAK & EXHIBIT TIME | Lower Foyer

1145-1230

CONCURRENT PRESENTATION SESSIONS

xAPI Solutions

PLAZA I

Session Chair:

USC Institute for Creative Technologies Report

PLAZA II

Integrating Immersive Technology

PLAZA III

Session Chair: Gigi Roman, NATO School Oberammergau

Shaping the Workforce through Data

BEECH AB

Session Chair:

AI-Assisted Training in Practice

ARBORS

Session Chair:

xAPI Profiles in the DoD: The Mix of the Ideal and Reality

ICT Update on DoD's Newest

Training in the Metaverse: How the DoD is Setting the Standard Victoria

Data and the Talent Marketplace

AI-Assisted Curriculum Building in Minutes

	Jonathan Poltrack, Veracity Technology Consultants, LLC	Learning Technologies Keith Brawner, Ph.D., USC Institute for Creative Technologies UARC	Claypoole, Ph.D.; Krissa Watry, Dynepic, Maj Jesse Johnson, AETC A9 Det 23, Christina Padron, Dynepic, and Margaret Merkle, AFLCMC WNS	Jason Tyszko, U.S. Chamber of Commerce Foundation	Alec Walker, Alan Harris, and Jerry Castanos, Growth Engine, Inc.
	Supporting Industry Adoption of xAPI Through Cohorts - 2014-2022 and Beyond Megan Torrance, TorranceLearning		Integrating a Spectrum of Immersive and Augmented Training Modalities in the Metaverse Cody Caddell, Claudia Escribano, Dolly Oberoi, and Ravi Garimella, C2 Technologies, Inc.	Finding the Needle in the Haystack: Quantifying the Knowledge, Skills and Abilities of the New Cyber Workforce Tom Callahan, ADL Initiative	Is AI Ready for Automated Assessment of Human Trainees? Jason Swan, University of North Texas
	Closed Network xAPI Solution Paul Miller, and Ilya Voloshin, LSI, Inc.			Training Management System – The Missing Link, J. (Jay) Bahlis, Ph.D., BNH Expert Software	
1230-1330	LUNCH & EXHIBIT TIME Terrace Room and Lower Foyer				
1330-1445	PANEL Software and Data for Learning Plaza Ballroom B/C				
	<ul style="list-style-type: none"> • Martin Dougiamas, CEO and Founder, Moodle (<i>Virtual</i>) • David Porcaro, Ph.D., Vice President Learning, General Assembly • Russ Shilling, EVP for Research, Riid Labs; Senior Advisor, EdSAFE AI Alliance • Danny Williams, Technical Account Manager, Epic Games • <i>Moderator: Ryan Changcoco, Principal, CCG</i> 				
1445-1500	NETWORKING BREAK & EXHIBIT TIME Lower Foyer				
1500-1545	CONCURRENT PRESENTATION SESSIONS				
	Optimizing Outcomes with Immersive Technology PLAZA I Session Chair:	Blended Learning in the New Normal and Metaverse PLAZA II	Design for Learners PLAZA III Session Chair: Fran Kassinger, Ph.D., U.S. Department of the Treasury and FGDLA	Upskilling Modernization BEECH AB Session Chair: Tanja Geiss, Magister Artium, NATO eAcademy	Competency Readiness ARBORS Session Chair:
	Distributed, Fully Immersive VR Medical Simulation	Blended Learning in the New Normal and Metaverse	The Holy Grail of Developing Partnerships	Virtual Reality Training for NATO Operational Equipment	Multi-Source Formative Assessment System for Competencies

<p>Training for Team-Based Care Karthik Sarma, Ph.D., SimX, Inc., COL John Dorsch, 24th SOW, USAF, and Jason Ribeira, Jennifer Polson, Michael Barrie, and Ryan Ribeira, SimX</p>	<p>Badrul Khan, Ph.D., Khan's Digital World TV Show on FOX 5 Plus DC, Dolly Oberoi, C2 Technologies</p>	<p>Dina Kurzweil, Ph.D., Linda Macaulay, Ph.D., and Karen Marcellas, Ph.D., USUHS</p>	<p>Paul Thurkettle, NATO ACT and Sebastian Tampinongkol, NCIA Academy</p>	<p>Paul Thomas, Center for Curriculum Redesign, Inc., and Chris Dede, Ed.D., Harvard Graduate School of Education</p>
<p>Haptic and Virtual Reality Glove Engineering Comparison Madison Quinn and Shane Taber, Engineering & Computer Simulations, Inc.</p>		<p>Instructional Design for Second Language Learning Sandy Wagner, Defense Language Institute, <i>FGDLA Member</i></p>	<p>JobSIDE: Transforming How Employers Improve and Share Skills Data for their Most In-Demand Jobs Jason Tyszko, U.S. Chamber of Commerce Foundation</p>	<p>Shorten Time to Competency with Ready to Use Immersive Training Applications Heath Shatouhy, Immerse Learning Ltd.</p>
<p>Department of Veterans Affairs (VA) and the Department of Defense (DoD) Clinical Staff Partnership within the Virtual Medical Center Vaughn Cooper, Ph.D., Veterans Health Administration, <i>FGDLA Member</i></p>		<p>508: Computer Electronic Accommodations Peter Joseph Campion, Ph.D., DEOMI, <i>FGDLA Member</i></p>	<p>"Alexa, Will You Be My Tutor?" - Using Everyday Tech to Upskill Ann Wong, Ph.D., Qun Zhang, Ph.D., Pooja Mohaan, Alicia Sanchez, Ph.D., Shawn Miller, and Thomas Shaffner, Defense Acquisition University</p>	<p>Building a Competency Model from a Learning Record Store Just Prior to New Learning Experiences Robert Sottolare, Ph.D., Amanda Bond, Jeremiah Folsom-Kovarik, Ph.D., and Henry Phillips, Ph.D., Soar Technology, Inc.</p>

1545-1600

NETWORKING BREAK & EXHIBIT TIME | Lower Foyer | Refreshments Available

1600-1645

CONCURRENT PRESENTATION SESSIONS

<p>Transforming DL in Military Training PLAZA I Session Chair: Paul Thurkettle, NATO ACT</p>	<p>PERLS in Practice PLAZA III Session Chair: Deri Draper-Amason, Ph.D., Old Dominion University</p>	<p>xAPI Data in Action BEECH AB Session Chair: Fran Kassinger, Ph.D., U.S. Department of the Treasury and FGDLA</p>	<p>Digital Learning Science ARBORS Session Chair:</p>
<p>ADL in Exercises - Guidance in a New Annex to the NATO ADL Handbook</p>	<p>Building Self-Regulated Learning and Adaptive Training in PERLS Daniel Pfeiffer and Brian Beversdorf, Float, LLC</p>	<p>Thinking Outside the Learner Performance Box with xAPI Data</p>	<p>Digital Learning Science Tammy Bankus, Ph.D., and William Brantley, Ph.D., Office of the Navy Inspector General</p>

	Major Tohmas Ax and Major Niclas Ljung, Swedish Armed Forces, Aaron Presnall, Ph.D., Jefferson Institute, Paul Thurkettle, NATO ACT		Jennifer Murphy, Ph.D., Quantum Improvements Consulting	
	Supporting Digital Transformation through Long-Term Faculty Development Programmes - A Case Study of the e-Instructor Certification Programme Marcin Jozwiak, NATO DEEP eAcademy	Incorporating PERLS in the Enterprise Course Catalog Brian Beversdorf and Daniel Pfeiffer, Float, LLC	Don't Just Give Me "All the Data" - xAPI and Training Effectiveness Evaluation Jason Haag, Veracity Technology Consultants	Towards a Model of Learning Engineering: The Pilot Process in the Air University Global College of PME Rob Nyland, Ph.D., Global College of PME, Air University
	Developing Airmen and Guardians with Games for Enhanced Readiness (DAGGER) Matthew Correia, DAF-AETC-Air University-Eaker Center, Robert Farrell, II, Ph.D., Air University, David Benson, Ph.D., School of Advanced Air and Space Studies			

1645-1700 **NETWORKING BREAK & EXHIBIT TIME** | Lower Foyer

1700-1730 **Ignite! PRESENTATIONS** | Plaza Ballroom B/C

- **The Case for Doubling Down on Open Edtech Infrastructure for the Future**
Martin Dougiamas, CEO and Founder, Moodle (*Virtual*)
- **JEDx: Modernizing America's Jobs and Employment Data**
Jason Tyszko, Vice President, U.S. Chamber of Commerce Foundation
- **JAIC: Joint Artificial Intelligence Center**
Will Roberts, Acquisition Chief, JAIC (Invited)
- **J-NEXT: Strategically Re-balancing Joint-Combined SOF Education Across the Learning Continuum**
Amie Lonas, Ph.D., Provost and Bethany Fidermutz, Ph.D., Education Consultant, Joint Special Operations University
- *Moderator: Aaron Presnall, Ph.D., President, Jefferson Institute*

1730-1900 **PROFESSIONAL NETWORKING & POSTER RECEPTION** | Lower Foyer

Attendees may vote for People's Choice Awards for Best Narrative and Best Design.

- *Master of Ceremonies: Paul Thurkettle, Section Head, Training Technologies, NATO ACT*

Thursday, 18 August (all times in Eastern Time, GMT-4)

0700-1200 **REGISTRATION OPEN** | Lower Foyer

0730-0830 **CONTINENTAL BREAKFAST** | Lower Foyer

0800-1200 **EXHIBITS OPEN** | Lower Foyer

0830-0915

CONCURRENT ACTIVITY SESSIONS

<p>Microelectronics Workforce Development – A Learning Partnership Case Study PLAZA I David Rude, Ph.D., and Edie Williams, Ph.D., Parallax Advanced Research</p>	<p>How a Human-Centered Approach to Learning and Development Enables Personalized Learning at Scale PLAZA II Sydney Heimbrock, Ph.D., SES, Ryan Twedell, Cydney Miller, Sha'Reff Rashad, and LtCol Jill Leyden, Qualtrics</p>	<p>Learning Assessment through Concept Mapping PLAZA III Brian Moon, Perigean Technologies</p>	<p>Uncovering the Technology Challenges of Moving Toward a Modern, Total Learning Architecture-Centric Ecosystem BEECH AB Tammy Rutherford, and Chris Tompkins, Rustici Software</p>	<p>DISCOVER NSA Innovative Orientation ARBORS Bridget Hilder, Department of Defense</p>
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0915-0930

NETWORKING BREAK & EXHIBIT TIME | Lower Foyer | Refreshments Available

0930-1015

CONCURRENT PRESENTATION SESSIONS

<p>Holistic Focus on Military Readiness PLAZA I Session Chair: Gigi Roman, NATO School Oberammergau</p>	<p>The Need for Civil Service Classification and Education Credentials Modernization PLAZA III</p>	<p>Last Word on SCORM PLAZA III Session Chair:</p>	<p>Augmented Reality in Practice BEECH AB Session Chair:</p>	<p>Insights into the Future of DL ARBORS Session Chair: Shawn Miller, Defense Acquisition University (DAU)</p>
<p>Confluence of Learning Practice and Policy LT Nicholas Armendariz, Naval Aerospace Medical Institute</p>	<p>The Need for Civil Service Classification and Education Credentials Modernization Rob Seidner, edX/2U</p>	<p>Understanding Your Internal Stakeholders Needs: What to Ask Technology Vendors about eLearning Standards Chris Tompkins, Rustici Software</p>	<p>Multi-Session Demonstration of Competency-Based Experiential-Learning Model for the US Army Synthetic Training Environment (STE) Kevin Owens, ARL: The University of Texas at Austin, Mike Hernandez, Eduworks, Benjamin Goldberg, Ph.D., US Army DEVCOM/SC STTC Orlando</p>	<p>Designing and Navigating E-Learning into Communities that Need Training Assistance Locally Kevin Monaghan, E-Content Consulting, Danielle Mathis-Lee, FHWA, Tom Tatem, PTG, Intl</p>
<p>Top Trending Topics at the 2022 Army University Learning Symposium and</p>		<p>Death to SCORM: Ditching Outdated Standards and Making Room for</p>	<p>Scaling AR Delivery Capability Across the Military to Enable Multi-Skilled Warfighters</p>	<p>Using the ‘Red Pill’ to Conceptualize Training Optimization; Insights on Future</p>

	<p>their Implications for Military Readiness</p> <p>Keith Beurskens, DM, Office of the Provost, Army University</p>	<p>Metaverse Interoperability</p> <p>Krissa Watry and Victoria Claypoole, Ph.D., Dynepic, Margaret Merkle, AFLCMC WNS, Christina Padron, Dynepic</p>	<p>Matthew Wren, BUNDLAR, LLC</p>	<p>Learning Ecosystems from ‘The Matrix’</p> <p>Regan Patrick, Ph.D., CAE</p>
				<p>Accelerate Your Technology Transformation with a Future-Fit Workforce</p> <p>Max Miller Wessel, SAP, and Matthias Ledwon, SAP America</p>
1015-1020	5-MINUTE BREAK			
1020-1045	<p>ADL GLOBAL COMMUNITY: STRONGER TOGETHER Plaza Ballroom B/C</p> <ul style="list-style-type: none"> Aaron Presnall, Ph.D., President, Jefferson Institute 			
1045-1130	<p>ADL IN CRISIS: REPORT FROM THE FRONT LINE Plaza Ballroom B/C</p> <ul style="list-style-type: none"> Col. Maksym Tyshchenko, Ph.D., ADL Partnership Director, National Defence University of Ukraine <i>Moderator: Aaron Presnall, Ph.D., President, Jefferson Institute</i> 			
1130-1200	<p>CLOSING SESSION Plaza Ballroom B/C</p> <ul style="list-style-type: none"> Angie Gamble, Ph.D., Deputy Director, TSAID, U.S. Army; iFEST 2022 Chair Introduction of iFEST 2023 Chair 			

Posters by Topic Area

ANNUAL TIMELY TOPIC - NEW PARADIGM OF LEARNING: PARTNER AND PREVAIL

- Joint Special Operations University J-NEXT: Achieving Intellectual Overmatch Through Joint-Combined SOF-Peculiar Education**
Bethany Fidermutz, Ph.D. and Amie Lonas, Ph.D., Joint Special Operations University
- Learning Engineering At A Glance**
Jim Goodell, QIP; Sae Schatz, Ph.D., ADL Initiative; and Aaron Kessler, Ph.D., MIT
- Using a Light-Weight Tutoring Architecture and COTS Software to Quickly Translate Three Tutors into Ukrainian**
Frank Ritter, Ph.D. and Sarah Stager, Ph.D., Penn State; Ashley McDermott, Ph.D., WellBalance

LEARNING DATA

- Managing the Learning Experience: A Learning Journey Map**
Sydney Heimbrock, Ph.D., Qualtrics
- Establishing Readiness for Data-Driven Learning through Data and Program Modernization**
Samantha Lie-Tjauw, Margarita Gonzalez, and Hannah Foster, Georgia Tech Research Institute; Steve Fuss, Defense Civilian Personnel Advisory Service

LEARNING TECHNOLOGY

- **Rebuilding a Training Department by Creating a Learning Portal**
William Brantley, Ph.D. and Tammy Bankus, Ph.D., Office of the Navy Inspector General
- **Synthetic Training Environment Experiential Learning for Readiness (STEEL-R)**
Benjamin Goldberg, Ph.D., U.S. Army Combat Capabilities Development Command (DEVCOM) Soldier Center, Simulation and Training Technology Center (STTC)
- **Empower CbAIS with xAPI**
Xiangen Hu, Ph.D. and Keith Shubeck, Ph.D., The University of Memphis
- **Beyond SCORM: Delivering Dynamic and Personalized Courses**
Aaron King, Blackboard, Now Part of Anthology
- **Combining Microlearning, Spaced Learning, Gamification, Chatbots, Mobile Learning to Personalized Learning Experience**
Harvey Singh, Instancy.com
- **PERLS - Self Regulated Learning and Adaptive Content Delivery: A Vital Part of the TLA**
Daniel Pfeiffer, Float, LLC

TECHNOLOGY INTEROPERABILITY

- **xAPI Profiles and Business Logic**
Shelly Blake-Plock, Yet Analytics
- **When to Migrate Legacy SCORM Content to cmi5**
Brian Miller, Rustici Software