

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 AND WELCOME** | Plaza Ballroom B/C
 - iFEST 2022 Chair Angie Gamble, Ph.D., Deputy Director, Training Support Analysis & Integration Directorate (TSAID), US Army
- 1345-1430 **INDUSTRY KEYNOTE SESSION | Ms. Shawna Hoffman** | Plaza Ballroom B/C
 - Ms. Shawna Hoffman, Chief Technology Leader, Legal Strategy & Operations, Dell Technologies
 - *Session moderator: Angie Gamble, Ph.D., Deputy Director, Training Support Analysis & Integration Directorate (TSAID), US Army*
- 1430-1600 **PANEL | Military Education and Training** | Plaza Ballroom B/C
 - Ms. Caroline Baxter, SES, DASD (Force Education and Training), Department of Defense (**Invited**)
 - Rear Admiral Peter Garvin, Commander, Naval Education and Training Command (**Invited**)
 - Brigadier-General Krista Brodie, Vice President of Logistics and Operations, Public Health Agency of Canada, Canadian Armed Forces
 - Dr. Celeste Ward, Gventer, Ph.D., President, Defense Security Cooperation University (DSCU)
 - Mr. William R. Mansell, SES, Director, Defense Support Services Center (DSSC), Defense Human Resources Activity (DHRA), Department of Defense
 - Ms. Kimberly Jackson, Deputy Assistant Secretary of Defense for Force Readiness, Department of Defense
 - *Moderator: Sae Schatz, Ph.D., Director, Advanced Distributed Learning Initiative*

1600-1615 **NETWORKING BREAK AND EXHIBIT TIME** | Refreshments Available

1615-1700 **CONCURRENT TUTORIAL SESSIONS** | Choose One

<p>Learner Focused Design: xAPI Enabled Adaptivity and Complex Skills Development PLAZA I Judy Katz, Eduworks and Duncan Welder, IV, RISC, Inc.</p>	<p>Explore AI-Assisted Knowledge Transfer PLAZA II Alec Walker, Alan Harris, and Mr. Jerry Castanos, Growth Engine, Inc.</p>	<p>Tracking 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 William Schleckser, Ph.D., Judith Bayliss, Ph.D., and Alicia Sanchez, Ph.D., Defense Acquisition University</p>
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1700-1800 **NETWORKING RECEPTION AND EXHIBIT TIME** | Lower Foyer and Terrace Room

- 1800-1900 **WAR ON THE ROCKS PANEL | Learning at the Bleeding Edge** | 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)

- 0700-1830 **REGISTRATION OPEN** | Lower Foyer
- 0730-0830 **CONTINENTAL BREAKFAST** | Lower Foyer
- 0800-1700 **EXHIBITS OPEN** | Lower Foyer
- 0830-0915 **CONCURRENT ACTIVITY SESSIONS** | Choose One

<p>Learning and Employment Plug Fest PLAZA I Greg Nadeau, Public Consulting Group</p>	<p>Meeting the Challenges of Cybersecurity Education for DIB Small Businesses PLAZA II Ashley Hall, Ph.D., Parallax Advanced Research</p>	<p>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., US Army DEVCOM/SC STTC Orlando</p>	<p>Applying Artificial Intelligence (AI) to New Distributed Learning Challenges in the Post-Pandemic Era BEECH AB Robert Sottolare, Ph.D., Soar Technology, Inc., and Keith Brawner, Ph.D., US Army CCDC Soldier Center</p>	<p>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</p>
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- 0915-0930 **NETWORKING BREAK AND EXHIBIT TIME** | Refreshments Available
- 0930-0935 **DAY TWO WELCOME** | Plaza Ballroom B/C
 - RADM James A. Robb, USN (Ret), President, National Training & Simulation Association
- 0935-1015 **KEYNOTE SESSION** | Plaza Ballroom B/C
- 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.
 - Rick Herrmann, Vice President, Industry Solution Group – Education (**Invited**)
 - Brian Gonzalez, Global Director - Government Partnerships & Initiatives, Intel Corporation (**Invited**)
 - Monica Beane, Ph.D., Program Manager, Education to Workforce Statewide Workforce Development, Amazon Web Services
 - Drew Trojanowski, Department of Defense Partner, 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 AND EXHIBIT TIME** | Exhibits in Lower Foyer

1145-1230

CONCURRENT PRESENTATION SESSIONS | Choose One

<p>xAPI Solutions PLAZA I Session Chair:</p>	<p>USC Institute for Creative Technologies Report PLAZA II Session Chair: Keith Brawner, Ph.D., USC ICT</p>	<p>Integrating Immersive Technology PLAZA III Session Chair: Gigi Roman, NATO School Oberammergau</p>	<p>Shaping the Workforce through Data BEECH AB Session Chair:</p>	<p>AI-Assisted Training in Practice ARBORS Session Chair:</p>
<p>xAPI Profiles in the DoD: The Mix of the Ideal and Reality Shawn Miller, Defense Acquisition University (DAU), and Jonathan Poltrack, Veracity Technology Consultants</p>	<p>ICT Update on DOD’s Newest Learning Technologies Keith Brawner, Ph.D., Acting Program Manager, USC Institute for Creative Technologies UARC</p>	<p>Training in the Metaverse: How the DoD is Setting the Standard Victoria Claypoole, Ph.D., Krissa Watry, Dynepic, Maj Jesse Johnson, AETC A9 Det 23, Christina Padron, Dynepic, and Margaret Merkle, AFLCMC WNS</p>	<p>Data and the Talent Marketplace Jason Tyszko, U.S. Chamber of Commerce Foundation</p>	<p>Building a Global Knowledge Platform - Knowledge for Humanity and AI in the AI Age Tinko Stoyanov, Technical University - Sofia, Bulgaria</p>
<p>Supporting Industry Adoption of xAPI Through Cohorts - 2014-2022 and Beyond Megan Torrance, TorranceLearning</p>		<p>Virtual Reality and Creativity: A Review of Research with Focus on Enhancement and a Brief Discussion of Other 21st Century Skills (such as Critical Thinking) Branden Thornhill-Miller, Ph.D., International Institute for Competency Development & Oxford U.</p>	<p>Finding the Needle in the Haystack: Quantifying the Knowledge, Skills and Abilities of the New Cyber Workforce Tom Callahan, ADL Initiative</p>	<p>AI-Assisted Curriculum Building in Minutes Alec Walker, Alan Harris and Jerry Castanos, Growth Engine, Inc.</p>
<p>Closed Network xAPI Solution Paul Miller, and Ilya Voloshin, LSI, Inc.</p>		<p>Integrating a Spectrum of Immersive and Augmented Training Modalities in the Metaverse</p>	<p>Training Management System – The Missing Link, J. (Jay) Bahlis, Ph.D., BNH Expert Software</p>	<p>Is AI Ready for Automated Assessment of Human Trainees? Jason Swan, CAE USA Inc.</p>

		Cody Caddell, Claudia Escribano, Dolly Oberoi, and Ravi Garimella, C2 Technologies, Inc.		
1230-1330	LUNCH AND EXHIBIT TIME Terrace Room and Lower Foyer			
1330-1445	PANEL Software and Technology			
1445-1500	NETWORKING BREAK AND EXHIBIT TIME Lower Foyer			
1500-1545	CONCURRENT PRESENTATION SESSIONS Choose One			
	Optimizing Outcomes with Immersive Technology PLAZA I Session Chair:	Blended Learning in the New Normal PLAZA II Session Chair: Badrul Khan, Ph.D.	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
	Distributed, Fully Immersive VR Medical Simulation 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	Blended Learning in the New Normal Badrul Khan, Ph.D., Professor and TV Host, KDW, Dolly Oberoi, CEO, C2 Technologies	The Holy Grail of Developing Partnerships Dina Kurzweil, Ph.D., Linda Macaulay, Ph.D., and Karen Marcellas, Ph.D., USUHS	NATO Training Modernisation – Virtual and Augmented Reality Experimentation Paul Thurkettle, NATO Allied Command Transformation, and Sebastian Tampinongkol, NCIA Academy
	Haptic and Virtual Reality Glove Comparison Madison Quinn, and Shane Taber, Engineering & Computer Simulations, Inc.		Instructional Design for Second Language Learning Sandy Wagner, Defense Language Institute, <i>FGDLA Member</i>	JobSIDE: Transforming how Employers Improve and Share Skills Data for their Most In-Demand Jobs Jason Tyszko, U.S. Chamber of Commerce Foundation
	Department of Veterans Affairs (VA) and the Department of		508: COMPUTER ELECTRONIC ACCOMMODATIONS	"Alexa, Will You Be My Tutor?" - Using Everyday Tech to Upskill
				Competency Readiness ARBORS Session Chair: Scotty Craig, Ph.D., Arizona State University
				Multi-Source Formative Assessment System for Competencies Charles Fadel, Center for Curriculum Redesign, Inc., and Chris Dede, Ed.D., Harvard Graduate School of Education
				Shorten Time to Competency with Ready to Use Immersive Training Applications Tom Symonds, Immerse Learning Ltd.
				Building a Competency Model from a Learning Record

<p>Defense (DoD) Clinical Staff Partnership within the Virtual Medical Center</p> <p>Vaughn Cooper, Ph.D., Veterans Health Administration, <i>FGDLA Member</i></p>	<p>Peter Joseph Campion, Ph.D., DEOMI, <i>FGDLA Member</i></p>	<p>Ann Wong, Ph.D., Qun Zhang, Ph.D., Pooja Mohaan, Alicia Sanchez, Ph.D., Shawn Miller, and Thomas Shaffner, Defense Acquisition University</p>	<p>Store Just Prior to New Learning Experiences</p> <p>Robert Sottolare, Ph.D., Amanda Bond, Jeremiah Folsom-Kovarik, Ph.D., and Henry Phillips, Ph.D., Soar Technology, Inc.</p>
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1545-1600

15-MINUTE NETWORKING BREAK AND EXHIBIT TIME | Refreshments Available

1600-1645

CONCURRENT PRESENTATION SESSIONS | Choose One

<p>Transforming DL in Military Training</p> <p>PLAZA I</p> <p>Session Chair: Paul Thurkettle, Section Head (Training Technologies), NATO ACT</p>	<p>PERLS in Practice</p> <p>PLAZA III</p> <p>Session Chair: Deri Draper-Amason, Ph.D., Old Dominion University</p>	<p>xAPI Data in Action</p> <p>BEECH AB</p> <p>Session Chair: Fran Kassinger, Ph.D., U.S. Department of the Treasury and FGDLA</p>	<p>Digital Learning Science</p> <p>ARBORS</p> <p>Session Chair: Scotty Craig, Ph.D., Arizona State University</p>
<p>ADL in Exercises - Guidance in a new Annex to the NATO ADL Handbook</p> <p>Major Tohmas Ax and Major Niclas Ljung, Swedish Armed Forces, Aaron Presnall, Ph.D., Jefferson Institute, Paul Thurkettle, NATO ACT</p>	<p>Building Self-Regulated Learning and Adaptive Training in PERLS</p> <p>Daniel Pfeiffer and Brian Beversdorf, Float LLC</p>	<p>Thinking Outside the Learner Performance Box with xAPI Data</p> <p>Jennifer Murphy, Ph.D., Quantum Improvements Consulting</p>	<p>Supporting a Certification Program through Digital Learning Science</p> <p>Tammy Bankus, Ph.D., and William Brantley, Ph.D., Office of the Navy Inspector General</p>
<p>Supporting Digital Transformation through Long-Term Faculty Development Programmes - A Case Study of the e-Instructor Certification Programme</p> <p>Marcin Jozwiak, NATO DEEP eAcademy</p>	<p>Incorporating PERLS in the Enterprise Course Catalog</p> <p>Daniel Pfeiffer and Brian Beversdorf, Float LLC</p>	<p>Don't Just Give Me "All the Data"</p> <p>Jason Haag, Veracity Technology Consultants</p>	<p>Towards a Model of Learning Engineering: The Pilot Process in the Air University Global College of PME</p> <p>Rob Nyland, Ph.D., Global College of PME, Air University</p>
<p>Developing Airmen and Guardians with Games for Enhanced Readiness (DAGGER)</p>	<p>Building Belief: The Impact of the PERvasive Learning System on Soldiers Self-Efficacy</p>		<p>Beyond Kirkpatrick: Surveys Are Not Just for Evaluation Anymore</p>

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

Scotty Craig, Ph.D., Rod Roscoe, Kevin Gary, and Wendy Barnard, Arizona State University

Sydney Heimbrock, Ph.D., SES, Qualtrics

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

1700-1710 **SPECIAL PRESENTATION** | Plaza Ballroom B/C

1710-1730 **IGNITE! PRESENTATIONS** | Plaza Ballroom B/C

1730-1900 **PROFESSIONAL NETWORKING AND POSTER RECEPTION** | Lower Foyer
Attendees may vote for People’s Choice Awards for Best Narrative and Best Design.

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

0700-1145 **REGISTRATION OPEN** | Lower Foyer

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

0730-1145 **EXHIBITS OPEN** | Lower Foyer

0830-0915 **CONCURRENT ACTIVITY SESSIONS** | Choose One

Microelectronics Workforce Development – A Learning Partnership Case Study
PLAZA I
David Rude, Ph.D., and Edie Williams, Ph.D., Parallax Advanced Research

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

Learning Assessment through Concept Mapping
PLAZA III
NATO Brian Moon, Perigeon Technologies

Uncovering the Technology Challenges of Moving Toward a Modern, Total Learning Architecture-Centric Ecosystem
BEECH AB
Tammy Rutherford, and Chris Tompkins, Rustici Software

DISCOVER ARBORS
Bridget Hilder, Department of Defense

0915-0930 **NETWORKING BREAK AND EXHIBIT TIME** | Refreshments Available

0930-1015 **CONCURRENT PRESENTATION SESSIONS** | Choose One

Holistic Focus on Military Readiness
PLAZA I

The Need for Civil Service Classification and Education

Last Word on SCORM
PLAZA III
Session Chair:

Augmented Reality in Practice
BEECH AB

Insights into the Future of DL
ARBORS

<p>Session Chair: Gigi Roman, NATO School Oberammergau</p>	<p>Credentials Modernization PLAZA III Session Chair: Rob Seidner, EdX/2U</p>		<p>Session Chair:</p>	<p>Session Chair: Shawn Miller, Defense</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, Director, Government Partnerships, 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>Enhancing Mental Performance and Optimizing Warfighter Effectiveness and Resilience (EMPOWER) Richard DiNinni, Ph.D., USC Institute for Creative Technologies</p>		<p>Death to SCORM: Ditching Outdated Standards and Making Room for Metaverse Interoperability Krissa Watry and Victoria Claypoole, Ph.D., Dynepic, Margaret Merkle, AFLCMC WNS, Christina Padron, Dynepic</p>	<p>Write Once, Use Anywhere: A Process to Author Procedures Which Automatically Generates Multiple Formats Clay Greunke, Naval Postgraduate School</p>	<p>Using the ‘Red Pill’ to Conceptualize Training Optimization; Insights on Future Learning Ecosystems from ‘The Matrix’ Regan Patrick, Ph.D., CAE</p>
			<p>Scaling AR Delivery Capability Across the Military to Enable Multi- Skilled Warfighters</p>	<p>Accelerate Your Technology Transformation with a Future-Fit Workforce Max Miller Wessel, SAP, and Matthias</p>

				Matthew Wren, BUNDLAR, LLC	Ledwon, SAP America
1015-1020	5-MINUTE BREAK				
1020-1135	ACQUISITION PANEL				
1135-1145	CLOSING SESSION Plaza Ballroom B/C <ul style="list-style-type: none"> • Angie Gamble, Ph.D., Deputy Director, Training Support Analysis & Integration Directorate (TSAID), iFEST 2022 Chair • Introduction of iFEST 2023 Chair 				

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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., Joint Special Operations University, Amie Lonas, Ph.D., JSOU
- **Learning Engineering At A Glance**
Jim Colvin Goodell, QIP, Sae Schatz, Ph.D., ADL Initiative, Aaron Kessler, Ph.D., MIT
- **TalkShop: A Design for a Configurable, General-Purpose, AI-Enhanced Discourse Management System**
Donald Morrison, Ph.D., Instituted for Intelligent Systems, Alistair Windsor, Ph.D., Institute for Intelligent Systems, Elliot Robson, Ph.D., EduWorks, Richard Tong, Squirrel AI, Drew Hampton, Ph.D., Christian Brothers University, John Sabatini, Ph.D., Institute for Intelligent Systems

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 Shubeck Keith, 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**
Chad Udell, Float, LLC

POLICY

- **Should Military Professional Military Training Be Treated as Massive Open Online Courses?**
LTC Nathan Colvin, Justin Magula, US Army War College, *FGDLA Member*

TECHNOLOGY INTEROPERABILITY

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