## Tuesday, 31 August (all times in Eastern Daylight Time, GMT-4) Online Live Presentations

### 9:00–9:15 a.m.
**INTRODUCTORY ADDRESS**
- RADM James A. Robb, USN (Ret), President, National Training & Simulation Association
- Sae Schatz, Ph.D., Director, ADL Initiative

### 9:15–10:00 a.m.
**GOVERNMENT KEYNOTE SESSION | Mr. Dustin Brown**
- Dustin Brown, SES, Deputy Assistant Director for Management, Office of Management and Budget
- *Session moderator: Sae Schatz, Ph.D., Director, ADL Initiative*

### 10:10–11:30 a.m.
**PANEL | Learning and Thriving in the New Normal**
Discussion among diverse experts on the relationship between distributed learning and thriving in the 21st century
- Rebecca Allyn, Education to Workforce Statewide Workforce Development Lead, Amazon Web Services
- Brian Gonzalez, Global Director, Government Partnerships & Initiatives, Intel Corporation
- Tim Quine, Ph.D., Deputy Vice-Chancellor for Education, University of Exeter
- Anthony Salcito, Vice President – Worldwide Education, Microsoft
- Sarah Toms, Executive Director, Wharton Interactive
- *Moderators: Nunzio Quacquarelli, CEO, QS Quacquarelli Symonds, and Jerry Wind, Ph.D., Emeritus Professor, The Wharton School, Co-Founders of Reimagine Education Awards*

### 12:30–12:35 p.m.
**INTRODUCTORY ADDRESS**
- Jason Briefel, Director of Policy and Outreach, Senior Executives Association

### 12:35–1:20 p.m.
**LEGISLATIVE KEYNOTE SESSION | Congressman Robert C. “Bobby” Scott (D-VA)**
- Rep. Robert C. “Bobby” Scott (D-VA), Chair, U.S. House Committee on Education and Labor
- *Session moderators: Jason Briefel, Director of Policy and Outreach, Senior Executives Association and Linda Brent, Ed.D., Director, Strategic Planning, NTSA and CEO, The ASTA Group.*

### 1:30–3:00 p.m.
**PANEL | Bridging the Gap: Digital Learning Acquisitions Discussion with Government and Industry**
Fishbowl conversation between Government and Industry on acquisition opportunities, questions, and challenges
- Britaini Carroll, Human Capital Principal Director, Workforce Transformation, Accenture Federal
- Matthew T. Cornelius, Executive Director, Alliance for Digital Innovation
- Christina Rhylander, MITRE, Digital and Acquisition Transformation (serving DoD Acquisitions)
- John Schwartz, Head of Global Business Development, edX
- Jason Tyszko, VP, Center for Education and Workforce, U.S. Chamber of Commerce Foundation
- *Moderator: JJ Walcutt, Ph.D., President/CEO, Clay Strategic Designs*

### 3:30–5:00 p.m.
**WAR ON THE ROCKS PANEL | Learning, Development, and Data…on the Rocks!**
Live streaming event featuring a VIP panel (with podcast recording), supported by War on the Rocks
- BG Charles T. Lombardo, Deputy Commanding General, CAC–T, U.S. Army Combined Arms Center
- The Hon. Alan R. Shaffer, Regent, Potomac Institute for Policy Studies and former Deputy Under Secretary of Defense for Acquisition and Sustainment
- *Moderator: Ryan Evans, Founder and CEO, War on the Rocks*

### 5:00–6:00 p.m.
**VIRTUAL CONFERENCE | Virtual Exhibits, Posters, and Asynchronous Pre-recorded Video Sessions**
*Visit the exhibits and other activities in the virtual platform!*

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*All day* | iFEST CONFERENCE PLATFORM | Browse pre-recorded presentations, posters, exhibits, and more!

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*60-MINUTE BREAK | Exhibits and Virtual Platform Open*
### Wednesday, 1 September (all times in Eastern Daylight Time, GMT-4) Online Live Presentations

<table>
<thead>
<tr>
<th>ALL DAY</th>
<th>iFEST CONFERENCE PLATFORM</th>
<th>Browse pre-recorded presentations, posters, exhibits, and more!</th>
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<tr>
<th>9:00–9:05 a.m.</th>
<th>INTRODUCTORY ADDRESS</th>
<th>Keith Beurskens, DM, Deputy, Directorate of Academic Affairs, Army University</th>
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<tr>
<th>9:05–10:00 a.m.</th>
<th>MILITARY KEYNOTE SESSION</th>
<th>MG Donn H. Hill, Deputy Commanding General – Education, Provost, Army University, and Deputy Commandant, Command and General Staff College</th>
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<th>9:05–10:00 a.m.</th>
<th>Session moderator: Keith Beurskens, DM, Deputy, Directorate of Academic Affairs, Army University</th>
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<th>15-MINUTE BREAK</th>
<th>Exhibits and Virtual Platform Open</th>
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<tr>
<th>10:15–11:45 a.m.</th>
<th>PANEL</th>
<th>Modernizing Training for Integrated Operations</th>
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*Discussion among defense leaders on collaborative training and education among allies and partners*

- BG Ilmars A. Lejins, Asst. Chief of Staff Joint Force Development, NATO ACT
- Col David Gagua, Commander, NATO-Georgia Joint Training and Evaluation Center
- Col Carl-Fredrik Kleman, Chief of Operations, Viking 22, Swedish AF Joint Training Center
- Zoran Šajinović, Assistant Minister of Defense, Bosnia and Herzegovina
- Fred Engle, Director, Military Training, Office of the Deputy Assistant Secretary of Defense for Force Education and Training, USA

*Moderator: Aaron Presnall, Ph.D., President, Jefferson Institute*

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<tr>
<th>10:15–11:45 a.m.</th>
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<tr>
<th>12:45–2:15 p.m.</th>
<th>PANEL</th>
<th>Innovation in Government Learning Systems</th>
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*Discussion among government leaders on how their organizations are modernizing digital learning systems*

- Daniel Correa, Director, Day One Project, and Acting President, Federation of American Scientists
- Beth Simone Noveck, Ph.D., Chief Innovation Officer, The State of New Jersey
- Amy Parker, Chief Learning Officer, Dept. of Veterans Affairs (Ret)
- Alicia Sanchez, Ph.D., Director of Innovation, DAUx

*Moderator: Frank Kelley, SES, Vice President, Defense Acquisition University*

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<th>12:45–2:15 p.m.</th>
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<tr>
<th>2:15–2:30 p.m.</th>
<th>WRAP UP</th>
<th>Closing discussion for the live event and plans for 2022</th>
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</thead>
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- Angie Gamble, Ph.D., Training Systems Management Specialist, CAC-T ATSC, iFEST 2022 Program Chair
- James Goodell, Senior Analyst, QIP, iFEST 2021 Program Committee Member
- Christopher Hardy, Ph.D., Strategic Planning and Program Evaluation, Defense Acquisition University, iFEST 2021 Program Committee Member
- Frank Kelley, SES, Vice President, Defense Acquisition University, iFEST 2021 Conference Chair
- Sae Schatz, Ph.D., Director, ADL Initiative, iFEST Senior Government Advisor

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<tr>
<th>2:15–2:30 p.m.</th>
<th>VIRTUAL CONFERENCE</th>
<th>Virtual Exhibits, Posters, and Asynchronous Pre-recorded Video Sessions</th>
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*Visit the exhibits and other activities in the virtual platform!*
## Thursday, 2 September (all times in Eastern Daylight Time, GMT-4) Online Live Activities

### 9:00–9:45 a.m.

**ALL DAY**

**iFEST CONFERENCE PLATFORM** | Browse pre-recorded presentations, posters, exhibits, and more!

**CONCURRENT ACTIVITY SESSIONS (Live)**

- **Start Making Sense: Integrating Learning Engineering into a Team**
  Dina Kurzweil, Ph.D., Asst. Professor of Medicine, Director ETI, Uniformed Services University Health Sciences (USUHS) and Beth (Karen) Marcellas, Ph.D., Instructional Systems Specialist, Education & Technology Innovation Support Office, USUHS

- **From IdeaScale to Scaling an Idea: Learning Innovation at Joint Base Andrews**
  Shelly Blake-Plock, President and CEO, Yet Analytics, TSgt Jules Ponton, ManPower Analyst, 316th Force Support Squadron, and Amanda Kaelber, Project Manager, Yet Analytics Inc.

- **The Anatomy of an Effective Webinar**
  Gigi Roman, ADL Coordinator, NATO School Oberammergau, Germany, and Tanja Geiss

- **The Future of Competence in the Workforce and the Role of CaSS**
  Robby Robson, Ph.D., Eduworks, Dennis Mills, NETC, Ben Goldberg, Ph.D., STTC, Matt Lislie, Georgia Tech, LCDR Jake Norris, ONR, Laurie “LJ” Johnson, Accenture Federal Services

### 10:00–10:45 a.m.

**15-MINUTE BREAK** | Exhibits and Virtual Platform Open

**CONCURRENT ACTIVITY SESSIONS (Live)**

- **From Classroom to Online to Blended Training: A Challenge Workshop toward Effective Blended Learning**
  Bill Brantley, Ph.D., Adjunct Professor, University of Maryland

- **Publish an Augmented Reality Training Module in Under an Hour Using the BUNDLAR Platform**
  Matthew Wren, Chief Technology Officer, BUNDLAR, LLC

- **Transform Your Training Simulations and Learning Platforms into Streaming Event Sources for Machine-Learning-Based Human Performance Measurement**
  Douglas Stein, CTO, Metacog Technologies, LLC

- **The Future of Competence in the Workforce and the Role of CaSS - Big Ideas**
  Robby Robson, Ph.D., Eduworks, Brent Smith, ADL Initiative, Ben Ervin, ONR, Deborah Everhart, Ph.D., Credential Engine, Vincent Villanueva, AETC, Brandt Daurge, Boeing

### 11:00–11:45 a.m.

**15-MINUTE BREAK** | Exhibits and Virtual Platform Open

**CONCURRENT ACTIVITY SESSIONS (Live)**

- **Public Review: Draft NATO ADL Handbook, Annex on ADL in Exercises**
  Aaron Presnall, Ph.D., President, Jefferison Institute

- **Mapping Your Ecosystem: Navigating the Complexities of Uniting Content and Data Across Multiple Systems**
  Tammy Rutherford, Managing Director, and Chris Tompkins, Director of Sales, Rustici Software

- **Human and AI Agent Teaming to Improve DoD Red Team Collective Skills**
  Tashara Cooper, M.A., Research Psychologist, Jonathan Harris, Computer Engineer, Cybersecurity, and Timothy Welch, Instructional Systems Specialist, NAWCTSD

- **Usage of CaSS - Technical Demonstrations and Discussions**
  Fritz Ray, CTO, Eduworks, Matt Lislie, Georgia Tech

### 12:00–5:00 p.m.

**VIRTUAL CONFERENCE** | Virtual Exhibits, Posters, and Asynchronous Pre-recorded Video Sessions

*Visit the exhibits and other activities in the virtual platform!*
### On-Demand Posters, Presentations, and Tutorials by Topic Area

**ANNUAL TIMELY TOPIC – LEARNING AND THRIVING IN THE NEW NORMAL**

<table>
<thead>
<tr>
<th>POSTERS</th>
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| **Pivoting to Virtual Vocational Instruction Across NAVSCIATTS: Methods and Lessons Learned**  
Dina Acklin, Director, Engineering Psychologist, and Shannon B. Turner, Naval STEM Researcher, U.S. Naval Research Laboratory |
| **Learning Engineering for the New Normal**  
James Goodell, Senior Analyst, QIP |
| **Turning Maintenance Challenges into Opportunities with AR**  
Stephen Wall, Augmented Reality Technical Fellow, PTC |

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<th>PRESENTATIONS</th>
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| **Transforming Learning in the New Normal Using Extended Reality**  
E.J. Dougherty, Accenture Federal Services XR Capability Lead, Accenture |
| **Digital Dexterity in the New Normal: Bridging the E-Gap by Answering NATO DEEP Community Needs with Quality Training Initiatives within NATO DEEP eAcademy**  
Marcin Józwiak, Senior Instructional Designer, NATO DEEP eAcademy |
| **Getting Ready for Your Close Up: Evidence Based Practices for Recording Success**  
Dina Kurzweil, Ph.D., Asst. Professor of Medicine, Director ETI, Linda Macaulay, Ph.D., E-Learning/Instructional Designer, Karen (Beth) Marcellas, Ph.D., Instructional Systems Specialist, and Brandon Henry, Instructional Systems Specialist, Uniformed Services University Health Sciences (USUHS) |

### DIGITAL LEARNING SCIENCE

<table>
<thead>
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| **SoLaR - Improving the Link Between Science of Learning for Education and Readiness using the Learning Science Evaluation Checklist**  
Scotty D. Craig, Ph.D., Associate Professor, Arizona State University |

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<thead>
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| **Training Effectiveness Framework for Augmented and Virtual Reality**  
James Belanich, Ph.D., Research Staff Member, Institute for Defense Analyses |
| **Personalized Neuro-informed Learning and the New Role of Instructors as Facilitators**  
JJ Walcutt, Ph.D., President/CEO, Clay Strategic Designs and Lt. Nicholas Armendariz, US Navy |

### LEARNING DATA

<table>
<thead>
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| **IEEE's New Reusable Competency Definitions Data Standard**  
James Goodell, Senior Analyst, QIP |
| **Data Visualization in VR Marksmanship Training**  
Andrew McCormick, VR Developer, Horus Vision |

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| **Measuring Success: Using Data to Identify Effective Digital Instruction Practices**  
Steve Bailey, Senior Product Marketing Manager, Blackboard |
| **A Data Strategy to Drive a Training Strategy in the Synthetic Training Environment**  
Benjamin Goldberg, Ph.D., Senior Scientist, CCDC-Soldier Center |
| **cmi5 Update**  
Andy Johnson, Specifications and Standards Manager, ADL Initiative (SETA Contractor) |
| **Building a Competency Based Data Science Certificate Program**  
Hong Liu, Ph.D., Professor, Embry Riddle Aeronautical University, and Naomi Malone, Learning Scientist, ADL Initiative (SETA Contractor) |
| **Total Learning Architecture's Master Object Model: Linking Learners to Other TLA Data**  
Brent Smith, RD&E Principal, Florian Tolk, Software Engineer, John Martin, Software Engineer, Yihua Liu, Data Scientist, ADL Initiative (SETA Contractors) |
## LEARNING TECHNOLOGY

### POSTERS

- **Applying User Experience Research Techniques to Support the Development of Learning Technology: Evaluations of the PERvasive Learning System (PERLS)**
  Scotty D. Craig, Ph.D., Associate Professor, Arizona State University
- **NetSearch Platform, the Nuclear Deterrent for Academic Fraud**
  Keith Maycock, Ph.D., CEO, NetSearch Platform Limited
- **Putting the Pieces Together: Centralizing Content Distribution Across Systems**
  Tammy Rutherford, Managing Director, Rustici Software
- **Generic Automatic Performance Assessment for Simulator Training**
  Robert Schaefer, Ph.D., Software Developer, Rheinmetall Electronics
- **PERLS - Transitioning from a Research Project to a Production Ready Learning Experience Platform for Government**
  Chad Udell, Managing Partner, Float LLC

### PRESENTATIONS

- **Deploying Enterprise VR Training at Scale**
  Tony Bevilacqua, Founder & CEO, Cognitive3D
- **Learning is Changing: Can the Learning Experience Platform (LXP) and Microlearning be the Keys to Developing a Leading-Edge Workforce?**
  Crista Crago-Spangler, D.C.D., Learning Technology Strategist, ADL Initiative
- **IA via AI Intelligence Augmentation Through Artificial Intelligence**
  Chris Dede, Ph.D., Wirth Professor in Learning Technologies, and Ashley Etemadi, Graduate Research Assistant, Harvard Graduate School of Education
- **Harnessing the Power of Artificial Intelligence (AI) to Train the Acquisition Workforce**
  Kim Kendall, Professor, Defense Acquisition University
- **VIROO: Innovation. It's in VR.**
  David Moreno, CMO, Virtualware
- **Competency-Based Experiential-Expertise Exercise Design**
  Kevin Owens, Engineering Scientist, ARL: The University of Texas at Austin
- **How To Build Adaptive Training and Military Amid a Future of Uncertainty**
  Charles Richer, Vice President of Business Development, Modest Tree
- **ADL & DevSecOps: Soup, Nuts, and Our Ongoing Adventure**
  Alec Romine, Software Engineer, and Trey Hayden, Lead Software Engineer, ADL Initiative (SETA Contractors)
- **Virtual Reality Training for NATO Operational & Equipment**
  Paul Thurkettle, NATO Training Technologies Section Head, NATO ACT
- **How DevSecOps will Change Your Projects for the Better**
  Chad Udell, Managing Partner, Float, LLC, and Jennifer Murphy, Ph.D., CEO, QIC
- **What is "Learning" in an LMS?**
  Whitney Whealdon, Director of Learning Innovation, and Steve Midgley, Founder and Managing Director, Learning Tapestry
## On-Demand Posters, Presentations, and Tutorials by Topic Area

<table>
<thead>
<tr>
<th>Available through 1 October 2021</th>
<th>POLICY</th>
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</thead>
<tbody>
<tr>
<td>PRESENTATIONS</td>
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<tr>
<td>• Planning for Success: Implementing xAPI in the Navy</td>
<td>Jason Haag, Consultant, Veracity Technology Consultants</td>
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<tr>
<td>TUTORIALS</td>
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<tr>
<td>• Implementing and Testing Your xAPI Data Strategy</td>
<td>Florian Tolk, Software Engineer, Yihua Liu, Data Scientist, and Andy Johnson, Specifications and Standards Manager, ADL Initiative (SETA Contractors)</td>
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### TECHNOLOGY INTEROPERABILITY

<table>
<thead>
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<th>POSTERS</th>
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<tr>
<td>• Evolution of eLearning Standards: Moving from SCORM to xAPI-Where Does cmi5 Fit?</td>
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<td>• How to Keep Your Castle: Retrofitting &quot;Brick and Mortar&quot; Training</td>
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<td>• K12 OCX: Open Content Exchange</td>
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<td>• Launching into cmi5: A closer look at Project CATAPULT</td>
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<td>• Logical Model for TLA Data Interoperability Standards</td>
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<tr>
<td>• Using xAPI to Track Learning Experiences in Unity Projects</td>
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