INNOVATION SHOWCASE: DEMOS AND POSTERS

Mastering Math: A Personalized Mastery Learning System
demo
Age of Learning, Inc.

HERA—A Blended Learning and Assessment System for Scientific Thinking
poster + demo
Meirav Arieli-Attali, Sue Ward, Jay Thomas, Jamie LeQuin, Ali Siddiqui, Ben Barefield & Amanda Newlin – ACT Inc. and Smart Sparrow

Demonstration of a Personalized Learning Companion Robot Designed for Speech and Language Assessment in Early Childhood Education Settings
poster + demo
Alison L. Bailey & Abeer Alwan – UC Los Angeles

CHEM+C: Integrating Computational Thinking in the Middle School Chemistry Context
poster
Whitney Wall Bortz – Virginia Tech, Department of Computer Science

Student Engagement and Learning Outcomes in a Fully Online Course
poster
Ronny C. Choe, Zorica Scuric, Ethan Eshkol, Ava Arndt, Casey Shapiro, Marc Levis-Fitzgerald, & Rachelle H. Crosbie-Watson – UC Los Angeles

The Ruff Ruffman Show’s Fish Force: A Demonstration of Adaptivity, Universal Design for Learning, Learning Analytics, and Related Tools
demo
Cosimo Felline & Jeremy Roberts – PBS KIDS

Online Learning in Higher Education: Examining Short-Term and Distal Outcomes
poster
Christian Fischer – UC Irvine

Findings and Implications from a Digital Science Notebook User Test
poster
Momo Hayakawa & Dennis Ramirez – Twin Cities PBS

Efficacy of Khan Academy Unit Tests
poster + demo
Kelli Millwood Hill – Khan Academy
Development of Math and Literacy Within Finnish Lower Secondary Classes: A Multilevel Profile Analysis
Risto Hotulainen, Sirkku Kupiainen, Elina Ketonen & Marja Tamm – Centre for Educational Assessment, Faculty on Educational Sciences, University of Helsinki, Finland

A National Survey About Young Children, Science, and Media: What Parents Talk About When They Talk About Learning
Naomi Hupert, Phil Vahey, Todd Grindal, Megan Silander, & Elisa Garcia – EDC & SRI

Game Designs, User Experience, and Task Performance Within a Game-Based Assessment
G. Tanner Jackson – Educational Testing Service

Virtual and Augmented Reality Enabled Personalized Manufacturing Training
Rajesh Jha, William Hackett, Chris Johnson, Alvin Galit, & Nathan Mateo – SimInsights

Game-Based Assessment Items for Career Readiness
Jenny Kao – CRESST / UCLA

NAVY LIFE: CRESST-Developed U.S. Navy Game & Research Platform
Alan Koenig, Harry O’Neil, Ray Perez, & Steve Watson – CRESST/ UCLA, USC, Office of Naval Research, & Naval Education and Training Command

Time on Task in Low and High Stakes Assessment
Sirkku Kupiainen & Risto Hotulainen – Centre for Educational Assessment, Faculty on Educational Sciences, University of Helsinki, Finland

Cognitive and Psychometric Properties of Technology-Enhanced Items
Jung Aa Moon – ETS

Learning as a Complex System: A Dynamic Modeling Approach
Lu Ou, Abe, Hofman, Vanessa Simmering, Meirav Arieli-Attali, Gunter Maris, Han L. J. van der Maas, & Alina A. von Davier – ACTNext by ACT

Learner Engagement in Guitar Improvisation: A Blended Learning Experience
Danielle Sassman – University of Southern California and Musicians Institute
Screen-Based Simulation For Training and Automated Assessment of Teamwork Skills
Randolph Steadman, Yue Ming Huang, Alan Koenig, Markus Iseli, John Lee, Areti Tilou, Frederica Raia, & Noreen Webb – Sim Center, CRESST / UCLA, CAST, UC Los Angeles
demo

Assessment Culture in Finland: Practices and Perspectives to Development
Marja Tamm & Risto Hotulainen – Centre for Educational Assessment, Faculty on Educational Sciences, University of Helsinki, Finland
poster

Ultrasound Training and Assessment Simulator
Matt Wang, Teo Zosa, Kresimir Petrinec, Gabe Nataneli, Corey Nichols, & Eric Siryj – SonoSim
demo

Measuring Brain Activity in Classrooms: A Wireless EEG Device
Eve Xu – UCLA GSE&IS
demo

Investigating Formative Assessment and Teachers' Education Program in Middle School
Yu Zhang, Jamal Abedi, Susan Rowe, & Hansol Lee – UC Davis
poster