The CREATE Adult Skills Network (the Network) is a national initiative to build knowledge about using technology to support teaching and learning. It is funded by the U.S. Department of Education's Institute of Education Sciences. The Network brings research and leadership teams together to collaborate, build knowledge through strong research, and disseminate findings on promising practices in adult skills development.

Collaboration. The Network brings researchers together with adult education stakeholders, like instructors and policy makers, to develop and share best practices in technology-supported interventions.

Knowledge Building. The Network teams conduct research to better understand how to develop and use technology to support adult learning.

Dissemination. Through its wide array of partners, the Network shares research updates and findings at webinars and conferences and in publications.

The Network's research teams focus on a variety of approaches to using technology to improve or measure adult skills development:

- Adult Numeracy in the Digital Age (ANDA): Adaptive Technology for Quantitative and Digital Literacy
- Adult Skills Assessment Project (ASAP): Actionable Assessments for Adult Learners
- Content-Integrated Language Instruction for Adults with Technology Support (CILIA-T)
- Developing and Implementing a Technology-Based Reading Comprehension Instruction System
- Teaching Skills That Matter (TSTM) – SkillBlox Instructional Support Pilot
- Writing in Adult Secondary Education Classes (W-ASE)

American Institutes for Research (AIR) leads the Network in collaboration with its partners, **Abt Associates, Jobs for the Future,** and the **EdTech Center @ World Education, Inc**.

www.CREATEadultskills.org

Digital Resources for Adult Literacy Learners and Programs: Reading, Comprehension, and Assessment Tools

Primary Presenter: John Sabatini, Institute for Intelligent Systems, University of Memphis

Co-Presenter(s): E. Halle Smith, Arthur Graesser, John Hollander

Monday, Session 2, 11:45am-1:00pm

Room(s): 615/2V11

In-person and virtual presentation

We will overview digital resources being researched and developed by the AdultEd Center from the University of Memphis. One resource is an adult learner assessment system that can be used for placement, diagnosis, progress monitoring, and outcome assessment. Another is the web-based AutoTutor for Adult Reading Comprehension. Finally, we will demonstrate how to access and participate with AdultEd's website portal, a hub for these resources and further information.

Approaches for Expanding the Knowledge Base on Using Technology in Adult Education: Practitioners' Perspectives

Primary Presenter: Judith Alamprese, Abt Associates

Co-Presenter(s): Stephanie Cronen

Monday, Session 3, 2:00pm-3:15pm

Room(s): 309

In-person presentation only

Adult educators' increased use of technology to teach and support adult learners has prompted questions about what works best for whom and under what conditions. This session explores these questions as part of the U.S. Department of Education's research network on improving adult skills through technology. Participants will learn about research results on technology use and will identify new areas for research that can help them improve their use of technology with adult learners.

Assessing Adult Skills Through Technology: The MAPT and ASAP

Primary Presenter: Stephen Sireci, University of Massachusetts Amherst Co-Presenter(s): Maria Elena Oliveri, John Sabatini, Javier Suarez-Alvarez

Monday, Session 4, 3:45pm-5:00pm

Room(s): 615/4V18

In-person and virtual presentation

The Massachusetts Adult Proficiency Tests leverage technology to meet accountability demands. The new Adult Skills Assessment Project - a federally funded research initiative - will identify and assess the most pressing skills adult learners need. We will describe the work on designing customized assessments to support learners' skill acquisition and validate these skills to align with adult education and workplace settings. A discussant will provide commentary on the two projects and solicit audience feedback.

Adult Skills & Technology Research: What Adult Educators and Researchers Need to Know

Primary Presenter: Stephanie Cronen, American Institutes for Research

Co-Presenter(s): Jen Vanek, Stephen Sireci, Javier Suárez Álvarez, Kirk Walters, Elizabeth Tighe, Tabitha Stickel, Ann Edwards, Theresa Sladek

Tuesday, Session 7, 2:00pm-3:15pm

Room(s): 608

In-person presentation only

The CREATE Adult Skills Network, a federally-funded research initiative, will help to address the needs of adult learners by building and investigating technology-supported interventions for instruction and assessment. This session introduces the Network's six coordinated projects, and provides opportunities for participants—as stakeholders in the network—to learn from and inform project plans, and ensure relevance of the resources and knowledge developed through the network.

The Adult Numeracy in the Digital Age Project: A Technology-enabled Mathematics Course for Adult Learners

Primary Presenter: Ann Edwards, WestEd

Co-Presenter(s): Kirk Walters

Tuesday, Session 8, 3:45pm-5:00pm

Room(s): 609/8V3

In-person and virtual presentation

This session will introduce and engage participants in a new technology-enabled mathematics course developed in the IES-funded Adult Numeracy in the Digital Age (ANDA) project. The ANDA course design utilizes relevant, contextualized mathematics content, collaboration, adaptive mathematical supports, social-emotional interventions promoting self-efficacy and sense of belonging, and digital literacy skill development. Participants will engage in course activities and demo the technology platform, and reflect on implications of the curricular and instructional design for their instruction.