SRI Education Researchers at the 2017 AERA Annual Meeting
San Antonio, TX | April 27 – May 1
Addressing Critical Questions About Education Through Rigorous Research and Innovation

**THURSDAY APRIL 27  4:05-5:35 PM**
Symposium: **Statewide Innovations in the College Access Space: Perspectives from Researchers, Practitioners, and Evaluators**
Paper: **Cross-segmental Partnerships: Leveraging the Common Core to Create Seamless Transitions for Students**
Kristin R. Bosetti, Regie D. Stites  
*Henry B. Gonzalez Convention Center, Meeting Room Level, Room 210 A*

**FRIDAY APRIL 28  12:25-1:55 PM**
Poster Session 5: **Science Learning and Teaching Posters I**
Paper: **Designing Scoring Rubrics to Support Next Generation Science Standards–Aligned, Classroom-Based Formative Assessment**
Kevin McElhaney, Reina Fujii  
*Henry B. Gonzalez Convention Center, Street Level, Stars at Night Ballroom 4*

**THURSDAY APRIL 27  4:05-5:35 PM**
Roundtable Session 5: **Building and Leveraging Teacher-Leaders’ Expertise to Improve Students’ Writing: National Writing Project’s College-Ready Writers Program**
Paper: **Impact Evaluation of the National Writing Project’s College-Ready Writers Program in High Poverty Rural Districts**
Katrina R. Woodworth, H. Alix Gallagher, Nicole Leigh Arshan  
*Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 1*

**FRIDAY APRIL 28  2:15-3:45 PM**
Structured Poster Session: **What Can Be Inferred From Trace Data? Current Methods to Triangulate and Validate Traces of Learning Behavior**
Paper: **Construct Validity and Evidence Centered Design: Using Data from Digital Learning Environments to Evaluate, Build Theory, and Improve**
Andrew E. Krumm  
*Henry B. Gonzalez Convention Center, Meeting Room Level, Room 221 D*
FRIDAY APRIL 28 4:05-5:35 PM
Paper Session: Adult Learning in Diverse Contexts
Paper: The Use of Online Learning to Support Literacy and Math Skill Development for Low-Skilled Adults
Robert F. Murphy, Marie Bienkowski
Henry B. Gonzalez Convention Center, Meeting Room Level, Room 207 A

FRIDAY APRIL 28 4:05-5:35 PM
Paper Session: Design of Innovative and Active Learning Environments
Kevin McElhaney
Grand Hyatt San Antonio, Fourth Floor, Crockett D

FRIDAY APRIL 28 4:05-5:35 PM
Paper Session: Key Issues in Validity Research and Theory
Matthew Newman Gaertner, Discussant
Henry B. Gonzalez Convention Center, River Level, Room 7C

FRIDAY APRIL 28 4:05-5:35 PM
Symposium: Improving Indicators of K–12 STEM Education Policy and Practice: What Have We Learned?
Paper: Elevating Science to the Importance of Mathematics and Reading
Jessica L. Mislevy, Shari Gardner
Henry B. Gonzalez Convention Center, River Level, Room 7B

SATURDAY APRIL 29 8:15-10:15 AM
Paper Session: Development of Disciplinary Knowledge and Student Academic Achievement and Persistence
Paper: College Preparation and Persistence of Inclusive STEM-focused High School Graduates
Ann House, Emi Iwatani, Vanessa L. Peters
Grand Hyatt San Antonio, Fourth Floor, Republic B

SATURDAY APRIL 29 8:15-9:45 AM
Structured Poster Session: Stories From the Field: Integrating Computational Thinking Across Curricular Domains
Cynthia M. D’Angelo, Chair
Shuchi Grover, Nicholas Jackiw
Henry B. Gonzalez Convention Center, Meeting Room Level, Room 221 D

SATURDAY APRIL 29 10:35-12:05 PM
Structured Poster Session: Innovations in Methods and Approaches to Tracing Youth Pathways into STEM
Paper: Innovations in Examining Pathways of Youth Who Stay in Science
Timothy Podkul
Paper: “We Are All Scientists Here”: How Museum Program Design Supports Youth’s STEM-Linked Identities
Carrie D. Allen, Vera Safa Michalchik
Henry B. Gonzalez Convention Center, Meeting Room Level, Room 221 C

SATURDAY APRIL 29 10:35-12:05 PM
Paper Session: Survey Design and Construction
Matthew Newman Gaertner, Discussant
Henry B. Gonzalez Convention Center, River Level, Room 7D
SUNDAY APRIL 30 8:15-9:45 AM
Paper Session: Emerging Computer Science Research From K–12 Contexts
Shuchi Grover, Chair
*Henry B. Gonzalez Convention Center, Meeting Room Level, Room 208*

SUNDAY APRIL 30 8:15-9:45 AM
Structured Poster Session: Using Next Generation Science Standards to Inform and Provide Equitable Instruction, Learning, and Assessments to Diverse Students
Nonye Alozie, Chair
Nonye Alozie, Reina Fujii, Tiffany Leones, Britte Cheng
*Henry B. Gonzalez Convention Center, Meeting Room Level, Room 221D*

SUNDAY APRIL 30 10:35-12:05 PM
Poster Session 10: Special Topics in Engineering and Computer Science: Engineering Design, Computational Thinking, and Assessment
Paper: Designing Programming Tasks for Measuring Computational Thinking
Shuchi Grover, Satabdi Basu, Marie Bienkowski
*Henry B. Gonzalez Convention Center, Street Level, Stars at Night Ballroom 4*

SUNDAY APRIL 30 10:35-12:05 PM
Paper Session: The Roles of Instructional Practices and Assessment in Literacy Learning
Paper: Writing Instruction Software and Common Core State Standards: Instructional Partners or Strange Bedfellows?
Barbara Means, Lauren Cassidy, Kaily Yee
*Henry B. Gonzalez Convention Center, Meeting Room Level, Room 211*

SUNDAY APRIL 30 10:35-12:05 PM
Roundtable Session 21: Research on Assessment Design and Development
Matthew Newman Gaertner, Chair
*Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 1*

SUNDAY APRIL 30 12:25-1:55 PM
Symposium: Efficacy of an Online Mathematics Homework Intervention: Rigorous Research Transforming Knowledge to Action
Jeremy Roschelle, Chair
Paper: Research Design and Main Effects from Maine ASSISTments Efficacy Study
Jeremy Roschelle, Mingyu Feng, Robert F. Murphy
Paper: An Examination of Implementation Costs: Is Affordability a Barrier to Using ASSISTments to Improve Learning?
Marianne Bakia, Mingyu Feng
Paper: Quantitative Analysis of Moderating and Mediating Factors in the Maine ASSISTments Efficacy Study
Robert F. Murphy
*Henry B. Gonzalez Convention Center, Meeting Room Level, Room 209*

SUNDAY APRIL 30 2:15-3:45 PM
Paper Session: Applications of Rasch Model
Matthew Newman Gaertner, Discussant
*Grand Hyatt San Antonio, Fourth Floor, Crockett C*

SUNDAY APRIL 30 4:05-6:05 PM
Paper Session: Applications of Item Response Theory
Matthew Newman Gaertner, Chair
*Henry B. Gonzalez Convention Center, River Level, Room 7A*
SUNDAY APRIL 30 4:05-5:35 PM
Symposium: Taking the “Measure” of Networked Improvement Communities (NICs): Examining the Role of Measurement Across an NIC
Paper: Are These Changes Improvement? Using Measures to Inform Homework Practices
Andrew E. Krumm
Henry B. Gonzalez Convention Center, River Level, Room 7C

SUNDAY APRIL 30 4:05-5:35 PM
Roundtable Session 25: Promoting Science Education Understanding Through Curriculum and Instruction
Paper: Curriculum and Instruction at Exemplar Inclusive STEM High Schools
Ann House
Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 1

MONDAY MAY 1 2:15-3:45 PM
Roundtable Session 34: Contemporary Scholarship in Computer Supported Collaborative Learning
Paper: Measuring Collaboration Quality of Small Group Interactions For Automated Analysis
Cynthia M. D’Angelo, Nonye Alozie
Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 3

Note: many presentations listed are collaborative efforts with researchers from other institutions. Due to space constraints, only SRI Education staff names are listed above.