



AMERICAN INSTITUTES FOR RESEARCH

# At the **American Educational Research Association (AERA)**

2017 Annual Meeting

#AIRatAERA

San Antonio, TX | April 27–May 1, 2017



AMERICAN INSTITUTES FOR RESEARCH®

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AMERICAN INSTITUTES FOR RESEARCH®

## *Making Research Relevant*

Established in 1946, with headquarters in Washington, D.C., the American Institutes for Research (AIR) is an independent, nonpartisan not-for-profit organization that conducts behavioral and social science research and evaluation on important social issues and provides technical assistance, both domestically and internationally, in the areas of education, health and workforce productivity.

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For general information, email [inquiry@air.org](mailto:inquiry@air.org).

## Meet Us at AERA

Nearly 100 experts are representing AIR during this year's annual AERA meeting in San Antonio, TX. This booklet tells you where you can meet AIR experts at various conference proceedings.

AIR is one of the world's largest behavioral and social science research and evaluation organizations. Our overriding goal is to use the best science available to bring the most effective ideas and approaches to enhancing everyday life. For us, making the world a better place is not wishful thinking: It is the goal that drives us.

We welcome you to attend one of the many sessions in which our staff are participating.

### ABOUT THIS BOOKLET

For your convenience, this booklet is organized in two sections. The first section lists presentations by date and time. The second section lists presentations by topic.

### You're Invited to Our Reception

Friday, April 28, 2017 | 6:30 pm – 8:30 pm

The Grand Promenade at Pat O'Brien's | 113 Alamo Plaza | San Antonio, TX 78205

## Index of Presentations by Date and Time

### Thursday, April 27

Thursday, April 27

8:00 am – 3:45 pm

**PDC01: Analyzing NAEP Assessment Data Using R**

*San Antonio Marriott Rivercenter, Third Floor, Grand Ballroom Salon E*

Instructors Paul Dean Bailey, Ting Zhang

Session Professional Development Course

**PDC05: Designing Surveys for Education Research**

*San Antonio Marriott Rivercenter, Third Floor, Conference Rooms 3 & 4*

Instructors Mark Masterton, Jeremy Redford, Jill Walston

Session Professional Development Course

**PDC06: Hierarchical Linear Modeling With Large-Scale International Databases**

*Henry B. Gonzalez Convention Center, Ballroom Level, Room 303 C*

Instructors Sakiko Ikoma, David C. Miller, Bitnara Jasmine Park, Yuan Zhang

Session Professional Development Course

Thursday, April 27

2:15 pm – 3:45 pm

**Acceleration Programs in Minnesota: Characteristics and College Pathways of Students Who Participate**

*Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 3*

Presenter/Author Elisabeth Davis

Session Promising Practices That Address Diverse Learning Styles

**Current Issues in International Educational Policy and Politics**

*Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 1*

Chair Janet Gao

**Development and Implementation of Quality Rating and Improvement Systems in the Midwest**

*Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 1*

Presenters/Authors Ann-Marie Faria, Ariela Greenberg

Session Early Childhood Education Policy, Program Quality, and QRIS

Thursday, April 27  
2:15 pm – 3:45 pm

**Massachusetts Study of Teacher Supply and Demand:  
Trends and Projections**

*Grand Hyatt San Antonio, Second Floor, Lone Star Ballroom  
Salon A*

Presenters/Authors Alex Berg-Jacobson, Jesse Levin

Session Teacher Shortages, Fact or Fiction? New Perspectives  
on Tracking Trends in the Teacher Workforce

**Teacher Shortages: How They Are Measured, Framed, and  
Addressed (or Not)**

*Grand Hyatt San Antonio, Second Floor, Lone Star Ballroom  
Salon A*

Presenter/Author Ellen Behrstock-Sherratt

Session Teacher Shortages, Fact or Fiction? New Perspectives on  
Tracking Trends in the Teacher Workforce

**The Utility of Teacher and Student Surveys in Principal  
Evaluations: An Empirical Investigation**

*Henry B. Gonzalez Convention Center, Ballroom Level,  
Hemisfair Ballroom 2*

Presenter/Author James Lindsay

Session School Leadership and Principals' Management Practices

Thursday, April 27  
4:05 pm – 5:35 pm

**A Confirmatory Factor Analysis of School Engagement for  
Students With Learning Disabilities or Emotional Disabilities**

*Henry B. Gonzalez Convention Center, Ballroom Level,  
Hemisfair Ballroom 2*

Presenter/Author Zachary Weingarten

Session SER SIG: Poster Session

Thursday, April 27  
4:05 pm – 6:05 pm

**Multiple Group Cognitive Diagnosis Models and Their  
Applications in Detecting Differential Item Functioning**

*Henry B. Gonzalez Convention Center, Ballroom Level, Room 302 C*

Presenter/Author Soo Yuen Lee

Session Research on Cognitive Diagnostic Modeling

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## Friday, April 28

Friday, April 28  
8:00 am – 10:30 am

**International Session on Societal Challenges and  
Educational Research—German Institute for International  
Educational Research**

*Henry B. Gonzalez Convention Center, River Level, Room 8B*

Participants Frank Torres Fonseca, David C. Miller

Friday, April 28  
8:00 am – 3:45 pm

**PDC12: Advanced Meta-Analysis**

*San Antonio Marriott Riverwalk, Second Floor, Ballroom Level, Alamo Ballroom Salon D*

Instructor Ryan Williams  
Session Professional Development Course

Friday, April 28  
10:35 am – 12:05 pm

**Implementing an Intervention to Transform the Placement of Student Teachers in Spokane Public Schools**

*Henry B. Gonzalez Convention Center, Meeting Room Level, Room 221 C*

Presenters/Authors Dan Goldhaber, Roddy Theobald  
Session Crossing Boundaries and Increasing Impact: Lessons from Successful Research-Practice Partnerships

**Measuring Impact and Understanding Implementation of School Improvement Grants in Massachusetts**

*Henry B. Gonzalez Convention Center, Meeting Room Level, Room 217 B*

Presenters/Authors Amelia Auchstetter, Dioni Garcia-Piriz, Alexandra Kistner, Christina LiCalsi, Karen Melchior, Laura Stein  
Session SIG to ESSA: New Lessons in School Turnaround

**The Relationship Between Students' Contextual Factors Related to Technology and Technology and Engineering Literacy Performance**

*Henry B. Gonzalez Convention Center, River Level, Room 7D*

Presenters/Authors George Bohrnstedt, Markus Broer, Bitnara Jasmine Park  
Session Using NAEP Data to Understand What Students in the United States Know and Can Do

Friday, April 28  
12:25 pm – 1:55 pm

**Can the “Blunt Instruments” of Education Policy Affect Classroom Practice for English Learners?**

*Henry B. Gonzalez Convention Center, Meeting Room Level, Room 217 B*

Discussant Jennifer O'Day

**Impacts of Ramp-Up to Readiness™ After One Year of Implementation**

*Henry B. Gonzalez Convention Center, Street Level, Exhibit Hall 4*

Presenters/Authors Elisabeth Davis, James Lindsay, Amy Proger  
Session Program Evaluation With a Purpose: Creating Equal Opportunities for Learning in Schools

**Promoting Academic Achievement for English Language Learners Through Instructional Interventions and Teacher Preparation**

*Henry B. Gonzalez Convention Center, River Level, Room 7B*

Discussant Peggy Clements

Friday, April 28  
2:15 pm – 3:45 pm

**Does Vocational Still Imply Tracking? Examining the Evolution of Technical Education Curricular Policy in Texas**

*Henry B. Gonzalez Convention Center, Meeting Room Level, Room 216 A*

Presenter/Author Mark Schneider

Session College and Career Readiness: Evidence on Standards, Vocational Education, and Advanced Placement

**Early Effects of States' Adoption of College- and Career-Ready Standards on Student Achievement**

*Henry B. Gonzalez Convention Center, Meeting Room Level, Room 216 A*

Presenters/Authors Michael Garet, Mengli Song, Rui Yang

Session College and Career Readiness: Evidence on Standards, Vocational Education, and Advanced Placement

**Forming a Professional Learning Community to Overcome Collaborative Research Challenges**

*Henry B. Gonzalez Convention Center, River Level, Room 7D*

Presenters/Authors Erin Roth, Carrie Lynne Scholz

Session Research-Practice Partnerships: Lessons Learned by Two Regional Educational Laboratories

**Implementation of College- and Career-Ready Standards: A 50-State Comparison**

*Henry B. Gonzalez Convention Center, Meeting Room Level, Room 216 A*

Presenter/Author Mengli Song

Session College and Career Readiness: Evidence on Standards, Vocational Education, and Advanced Placement

**Lessons Learned in Working With Stakeholder Advisors Through Research-Practice Partnerships**

*Henry B. Gonzalez Convention Center, River Level, Room 7D*

Presenters/Authors Julie Kochanek, James Lindsay

Session Research-Practice Partnerships: Lessons Learned by Two Regional Educational Laboratories

**Perspectives on the Role of Parent Involvement in Black Education**

*Grand Hyatt San Antonio, Fourth Floor, Crockett B*

Chair Monrischa Monéy Williams

**Research-Practice Partnerships: Dissemination Lessons From Two Regional Educational Laboratories**

*Henry B. Gonzalez Convention Center, River Level, Room 7D*

Presenters/Authors Sonica Dhillon, Alicia Garcia, Lisa Shimmel

Session Research-Practice Partnerships: Lessons Learned by Two Regional Educational Laboratories

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**Research-Practice Partnerships: Lessons Learned by Two Regional Educational Laboratories**

*Henry B. Gonzalez Convention Center, River Level, Room 7D*

Chair Julie Kochanek

Friday, April 28  
4:05 pm – 5:35 pm

**Bringing Evidence-Based Academic and Mental Health Practices to Schools**

*Henry B. Gonzalez Convention Center, Meeting Room Level, Room 214 A*

Speaker Allison Gruner Gandhi

**Connecting Deeper Learning to High School Graduation**

*Henry B. Gonzalez Convention Center, River Level, Room 7A*

Presenter/Author Jordan Rickles

Session Fostering Deeper Learning in High Schools and Examining Its Effects on Student Outcomes

**Deeper Learning and College Attendance: What Happens After High School?**

*Henry B. Gonzalez Convention Center, River Level, Room 7A*

Presenter/Author Rui Yang

Session Fostering Deeper Learning in High Schools and Examining Its Effects on Student Outcomes

**Deeper Learning and Equitable Outcomes: Is the Impact of Deeper Learning Consistent Across Student Subgroups?**

*Henry B. Gonzalez Convention Center, River Level, Room 7A*

Presenter/Author Kristina Lillian Zeiser

Session Fostering Deeper Learning in High Schools and Examining Its Effects on Student Outcomes

**School Features and Student Opportunities for Deeper Learning: What Makes a Difference?**

*Henry B. Gonzalez Convention Center, River Level, Room 7A*

Presenters/Authors Helen Duffy, Mette Huberman, Jessica Mason, Jennifer O'Day

Session Fostering Deeper Learning in High Schools and Examining Its Effects on Student Outcomes

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4:05 pm – 6:05 pm

**An Examination of the Movement of Educators Within and Across Three Midwest States**

*Henry B. Gonzalez Convention Center, Meeting Room Level, Room 217 B*

Presenters/Authors James Lindsay, Yinmei Wan

Session Teacher Mobility and Retention



Friday, April 28  
4:05 pm – 6:05 pm

**Preparing Future Principals: Results of an Impact Analysis of Four Innovative Preparation Programs**

*Henry B. Gonzalez Convention Center, Meeting Room Level, Room 217 A*

Presenter/Author Matthew Clifford

Session Leadership Preparation: Systems and Policy

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**Saturday, April 29**

Saturday, April 29  
8:15 am – 9:45 am

**Investigating the Student Growth Across Subgroups From 2015 to 2016 in the AzMERIT Statewide Assessment**

*Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 1*

Presenters/Authors Stephan Ahadi, Myung Hee Im

Session Examining Construct Irrelevant Factors Impacting Test Score Interpretations in Statewide Assessments

**Investigating the Test Mode Difference in Item Characteristics and Student Subgroups in Statewide Assessments**

*Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 1*

Presenter/Author Xiaoxin Elizabeth Wei

Session Examining Construct Irrelevant Factors Impacting Test Score Interpretations in Statewide Assessments

**Measuring Leadership Practices in Jewish Day Schools**

*Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 1*

Presenter/Author Yael Kidron

Session Leadership and Citizenship in Religious Schools

**The Effect of the Time When the Test Is Taken on Student Performance in Statewide Assessments**

*Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 1*

Presenters/Authors Stephan Ahadi, Yuan Hong

Session Examining Construct Irrelevant Factors Impacting Test Score Interpretations in Statewide Assessments

Saturday, April 29  
8:15 am – 10:15 am

**Construction and Validation of a New Proxy SES Measure for NAEP Grade 12**

*Henry B. Gonzalez Convention Center, Meeting Room Level, Room 217 C*

Presenters/Authors George Bohrnstedt, Markus Broer

Session The Development and Applications of Alternative Student Socioeconomic Status Measures

**Exploring the Construction of a Proxy SES Index for NAEP Grade 4 Assessments**

*Henry B. Gonzalez Convention Center, Meeting Room Level, Room 217 C*

Presenter/Author Markus Broer

Session The Development and Applications of Alternative Student Socioeconomic Status Measures

Saturday, April 29  
2:45 pm – 4:15 pm

**Employment and Educational Activities Across Life-Phases**

*Henry B. Gonzalez Convention Center, River Level, Room 6B*

Presenters/Authors Saida Mamedova, Emily Pawlowski

Session What PIAAC Says About Adult Skills, Employment, Education, and the Workforce

**First-Generation Students: Factors That Shape Their Pathway to Degree**

*Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 1*

Chair Montrisha Monéy Williams

**What PIAAC Says About Adult Skills, Employment, Education, and the Workforce**

*Henry B. Gonzalez Convention Center, River Level, Room 6*

Chair Jaleh Soroui

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**Sunday, April 30**

Sunday, April 30  
8:00 am – 12:00 pm

**PDC23: Building Researchers' Capacity to Partner With Practitioners to Conduct Relevant and Useful Research**

*San Antonio Marriott Riverwalk, Second Floor, Ballroom Level, Alamo Ballroom Salon A*

Instructors Alicia Garcia, Julie Kochanek

Session Professional Development Course

Sunday, April 30  
8:15 am – 9:45 am

**Investigating the Relationship Between Students' Online Engagement and Their Online Course Outcomes**

*Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 3*

Presenter/Author Peggy Clements

Session Students' Perceptions, Outcomes, Online Engagement, and Satisfaction

**Native-Immigrant Gaps in Performance and Attitudes Toward Mathematics: Analysis of PISA 2012 Data**

*Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 2*

Presenters/Authors Yuqi Liao, Ceylan Oymak, Yemurai Tsokodayi

Session Gender Differences

**What's Hiding Beneath International Estimates?**

*Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 3*

Presenter/Author Rachel Dinkes

Session Exploring the Educational Issues in an International Context

Sunday, April 30  
10:35 am – 12:05 pm

**A Characterization of Power Method Transformations Through the Method of Percentiles**

*Henry B. Gonzalez Convention Center, Meeting Room Level, Room 216 A*

Presenter/Author Tzu Chun Kuo

Session Statistical Research in the Contexts of Parametric Assumption Violations, Simulation, SEM, and Ordinal or Nominal Data Analyses

**Promoting the Educational Success of Children and Youth Learning English: Promising Futures—An Academies Report**

*Henry B. Gonzalez Convention Center, 302 A & B*

Participant Diane August

**The Relationship Between College Readiness and Early Mathematics and Reading Skills**

*Henry B. Gonzalez Convention Center, Meeting Room Level, Room 214 A*

Presenters/Authors Burhan Ogut, Lu Michelle Yin

Session School Readiness: Indicators, Predictors, and Effects

Sunday, April 30  
12:25 pm – 1:55 pm

**Is the Full-Time/Full-Semester Internship a Promising and Replicable Strategy for All Principal Programs to Consider?**  
*Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 1*

Presenter/Author    Melissa Brown-Sims  
Session                Preparation Program Considerations in Leadership Development

Sunday, April 30  
2:15 pm – 3:45 pm

**A Longitudinal Study of Middle School Students' Creativity**  
*Henry B. Gonzalez Convention Center, Street Level, Exhibit Hall 4*

Presenter/Author    Rui Yang  
Session                Current Issues in School-Based Assessment

**Longitudinal Administrative Data Systems—Developing Guidelines for Producers and Users—Co-Sponsored With World Education Research Association**

*Henry B. Gonzalez Convention Center, Ballroom Level, Room 305*  
Discussant            Jack Buckley

**Relationships Between Family Risks and Children's Academic Gains From Kindergarten to Third Grade**

*Henry B. Gonzalez Convention Center, River Level, Room 7D*  
Presenter/Author    Amy Rathbun  
Session                Mining Large-Scale Datasets for Different Purposes: National and International Examples

**School Infrastructure Changes as Catalysts for Instructional Improvement Among High School Teachers of English Language Learners**

*Grand Hyatt San Antonio, Third Floor, Bonham A*  
Presenters/Authors    Trisha Borman, Natalya Gnedko-Berry  
Session                Research to Action: Equity and Opportunity for Immigrant English Learners in High Schools

**Teacher and Student Attitudes Toward a Math Intervention for Middle-Grade English Learners: Yes!**

*Grand Hyatt San Antonio, Fourth Floor, Crockett A*  
Presenters/Authors    Diane August, Marian Eaton, Rachel Garrett  
Session                Mathematics and Science Classrooms for Bilingual Learners

Sunday, April 30  
4:05 pm – 5:35 pm

**Discussion and Demonstration of New Digitally Based Assessments for the National Assessment of Educational Progress (NAEP)**

*Henry B. Gonzalez Convention Center, River Level, Room 7D*  
Discussant            George Bohrnstedt

Sunday, April 30  
4:05 pm – 5:35 pm

**Financial Sustainability for Advanced Degree and Certificate Programs**

*Henry B. Gonzalez Convention Center, Street Level, Exhibit Hall 4*

Presenter/Author Yael Kidron  
Session Policy Posters

**Preparing Future Principals: Results of an Impact Analysis of Four Innovative Preparation Programs**

*Henry B. Gonzalez Convention Center, Street Level, Exhibit Hall 4*

Presenters/Authors Jiashan Cui, Huade Huo, Zoe Padgett, Jijun Zhang  
Session Persistence and Attainment of Nontraditional Students

Sunday, April 30  
4:05 pm – 6:05 pm

**Data-Driven Decision-Making Instrumentation and Methodology**

*Grand Hyatt San Antonio, Fourth Floor, Texas Ballroom Salon D*

Discussant Shazia Miller

**First-Year Impacts of the Early Warning Intervention and Monitoring System**

*Grand Hyatt San Antonio, Fourth Floor, Texas Ballroom Salon D*

Presenters/Authors Jill Bowden, Ryan Eisner, Ann-Marie Faria, Shandu Foster, Jessica Heppen, Nicholas Sorenson, Suzanne Taylor  
Session Data-Driven Decision-Making Instrumentation and Methodology

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## Monday, May 1

Monday, May 1  
10:35 am – 12:05 pm

**Comparing TIMSS Advanced With NAEP Grade 12 Assessments in Mathematics and Science**

*Henry B. Gonzalez Convention Center, Meeting Room Level, Room 211*

Presenters/Authors Kim Gattis, Sarah Guile, Teresa Neidorf  
Session Using 2015 TIMSS Advanced Mathematics and Physics Results to Explore College and Career Readiness

**How Large Are the Cumulative Effects of Interim Assessments on Student Achievement?**

*Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 2*

Presenter/Author Shazia Miller  
Session Applied Research in School: Teaching and Learning

Monday, May 1  
10:35 am – 12:05 pm

**International Comparisons of Performance in Advanced Mathematics and Physics at the End of Secondary School**  
*Henry B. Gonzalez Convention Center, Meeting Room Level, Room 211*

Presenters/Authors Ebru Erberber, Maria Stephens

Session Using 2015 TIMSS Advanced Mathematics and Physics Results to Explore College and Career Readiness

**Profiles of U.S. Performance in Advanced Mathematics and Physics in an International Context**

*Henry B. Gonzalez Convention Center, Meeting Room Level, Room 211*

Presenters/Authors Alka Arora, Teresa Neidorf

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*Grand Hyatt San Antonio, Third Floor, Bonham E*

Discussant Diane August

Monday, May 1  
10:35 am – 6:00 pm

**AERA-Deeper Learning Fellows Workshop—Day 1: Closed Meeting**

*Grand Hyatt San Antonio, Third Floor, Bonham B*

Participants Michael Garet, Jennifer O'Day, Jordan Rickles, Rui Yang, Kristina Lillian Zeiser

Monday, May 1  
12:25 pm – 1:55 pm

**How Loan Averse Students View Income Share Agreements**

*Henry B. Gonzalez Convention Center, River Level, Room 6C*

Presenters/Authors Jessica Mason, Audrey Peek, Matthew Soldner

Session Dreams Deferred by Debt: Student Outcomes Federal and State Loan Programs

**Identifying Early Warning Indicators in Three Ohio School Districts**

*Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 2*

Presenters/Authors Sonica Dhillon, James Lindsay

Session Expanding Data-Driven Decision-Making Methodology and Perspectives

Monday, May 1  
12:25 pm – 1:55 pm

**Moving the Needle on Social and Emotional Learning:  
Programs and Potential**

*Henry B. Gonzalez Convention Center, Ballroom Level,  
Hemisfair Ballroom 1*

Chair Ginger Stoker

**The Effects of a School-Based Program on Social and  
Emotional Learning in Elementary Schools**

*Henry B. Gonzalez Convention Center, Ballroom Level,  
Hemisfair Ballroom 1*

Presenters/Authors Yael Kidron, David Osher

Session Moving the Needle on Social and Emotional Learning:  
Programs and Potential

Monday, May 1  
2:15 pm – 3:45 pm

**“I Felt Like a Fish Without Water”: First-Year Experiences  
of Middle College High School Alumni**

*Grand Hyatt San Antonio, Second Floor, Lone Star Ballroom  
Salon F*

Presenter/Author Montrisha Monéy Williams

Session Queering the First Year Experience: Hidden Hindrances  
to Retaining High Performing Students of Color

## Index of Presentations by Topic

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**The Utility of Teacher and Student Surveys in Principal Evaluations: An Empirical Investigation**

*Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 2*

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Session School Leadership and Principals' Management Practices

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### Adult Literacy and Adult Education

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## Advanced Studies of National Databases

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2:15 pm – 3:45 pm

### **Relationships Between Family Risks and Children's Academic Gains From Kindergarten to Third Grade**

*Henry B. Gonzalez Convention Center, River Level, Room 7D*

Presenter/Author Amy Rathbun

Session Mining Large-Scale Datasets for Different Purposes: National and International Examples

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## Bilingual Education Research

Sunday, April 30  
2:15 pm – 3:45 pm

### **Teacher and Student Attitudes Toward a Math Intervention for Middle-Grade English Learners: Yes!**

*Grand Hyatt San Antonio, Fourth Floor, Crockett A*

Presenters/Authors Diane August, Marian Eaton, Rachel Garrett

Session Mathematics and Science Classrooms for Bilingual Learners

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## Counseling and Human Development

### Counseling

Friday, April 28  
4:05 pm – 5:35 pm

### **Bringing Evidence-Based Academic and Mental Health Practices to Schools**

*Henry B. Gonzalez Convention Center, Meeting Room Level, Room 214 A*

Speaker Allison Gruner Gandhi

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## Data-Driven Decision Making in Education

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### **Data-Driven Decision-Making Instrumentation and Methodology**

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**Early Education and Child Development**

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**Educational Policies and Politics**

**Curriculum and Instructional Practice**

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Vocational Education, and Advanced Placement

## Governance, Finance, and Intergovernmental Relations

Thursday, April 27  
2:15 pm – 3:45 pm

**Current Issues in International Educational Policy and Politics**

*Henry B. Gonzalez Convention Center, Ballroom Level,  
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Chair Janet Gao

## Human Capital

Friday, April 28  
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**An Examination of the Movement of Educators Within and  
Across Three Midwest States**

*Henry B. Gonzalez Convention Center, Meeting Room Level,  
Room 217 B*

Presenters/Authors James Lindsay, Yinmei Wan

Session Teacher Mobility and Retention

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**Can the “Blunt Instruments” of Education Policy Affect  
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Discussant Jennifer O’Day

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## Educational Statisticians

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Session Statistical Research in the Contexts of Parametric  
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or Nominal Data Analyses

## International Studies

Sunday, April 30  
8:15 am – 9:45 am

**Native-Immigrant Gaps in Performance and Attitudes  
Toward Mathematics: Analysis of PISA 2012 Data**

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10:35 am – 12:05 pm

**Profiles of U.S. Performance in Advanced Mathematics  
and Physics in an International Context**

*Henry B. Gonzalez Convention Center, Meeting Room Level,  
Room 211*

Presenters/Authors Alka Arora, Teresa Neidorf

Session Using 2015 TIMSS Advanced Mathematics and Physics  
Results to Explore College and Career Readiness

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## Measurement and Research Methodology

### Psychometrics, Measurement, and Assessment

Thursday, April 27  
4:05 pm – 6:05 pm

**Multiple Group Cognitive Diagnosis Models and Their Applications in Detecting Differential Item Functioning**

*Henry B. Gonzalez Convention Center, Ballroom Level, Room 302 C*

Presenter/Author    Soo Yuon Lee

Session                Research on Cognitive Diagnostic Modeling

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## NAEP Studies

Friday, April 28  
10:35 am – 12:05 pm

**The Relationship Between Students' Contextual Factors Related to Technology and Technology and Engineering Literacy Performance**

*Henry B. Gonzalez Convention Center, River Level, Room 7D*

Presenters/Authors    George Bohrnstedt, Markus Broer, Bitnara Jasmine Park

Session                Using NAEP Data to Understand What Students in the United States Know and Can Do

Saturday, April 29  
8:15 am – 10:15 am

**Construction and Validation of a New Proxy SES Measure for NAEP Grade 12**

*Henry B. Gonzalez Convention Center, Meeting Room Level, Room 217 C*

Presenters/Authors    George Bohrnstedt, Markus Broer

Session                The Development and Applications of Alternative Student Socioeconomic Status Measures

Saturday, April 29  
8:15 am – 10:15 am

**Exploring the Construction of a Proxy SES Index for NAEP Grade 4 Assessments**

*Henry B. Gonzalez Convention Center, Meeting Room Level, Room 217 C*

Presenter/Author    Markus Broer

Session                The Development and Applications of Alternative Student Socioeconomic Status Measures

Sunday, April 30  
4:05 pm – 5:35 pm

**Discussion and Demonstration of New Digitally Based Assessments for the National Assessment of Educational Progress (NAEP)**

*Henry B. Gonzalez Convention Center, River Level, Room 7D*

Discussant             George Bohrnstedt

## Online Teaching and Learning

Sunday, April 30,  
8:15 am – 9:45 am

### **Investigating the Relationship Between Students' Online Engagement and Their Online Course Outcomes**

*Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 3*

Presenter/Author Peggy Clements

Session Students' Perceptions, Outcomes, Online Engagement, and Satisfaction

## Postsecondary Education

### College Student Success and Outcomes

Thursday, April 27  
2:15 pm – 3:45 pm

### **Acceleration Programs in Minnesota: Characteristics and College Pathways of Students Who Participate**

*Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 3*

Presenter/Author Elisabeth Davis

Session Promising Practices That Address Diverse Learning Styles

Saturday, April 29  
2:45 pm – 4:15 pm

### **First-Generation Students: Factors That Shape Their Pathway to Degree**

*Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 1*

Chair Montrisha Monéy Williams

Sunday, April 30  
4:05 pm – 5:35 pm

### **Preparing Future Principals: Results of an Impact Analysis of Four Innovative Preparation Programs**

*Henry B. Gonzalez Convention Center, Street Level, Exhibit Hall 4*

Presenters/Authors Jiashan Cui, Huade Huo, Zoe Padgett, Jijun Zhang

Session Persistence and Attainment of Nontraditional Students

### Policy, Finance, and Economics

Sunday, April 30  
4:05 pm – 5:35 pm

### **Financial Sustainability for Advanced Degree and Certificate Programs**

*Henry B. Gonzalez Convention Center, Street Level, Exhibit Hall 4*

Presenter/Author Yael Kidron

Session Policy Posters

Monday, May 1  
12:25 pm – 1:55 pm

### **How Loan Averse Students View Income Share Agreements**

*Henry B. Gonzalez Convention Center, River Level, Room 6C*

Presenters/Authors Jessica Mason, Audrey Peek, Matthew Soldner

Session Dreams Deferred by Debt: Student Outcomes Federal and State Loan Programs

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## Professional Development and Training

Thursday, April 27  
8:00 am – 3:45 pm

**PDC01: Analyzing NAEP Assessment Data Using R**  
*San Antonio Marriott Rivercenter, Third Floor, Grand Ballroom Salon E*

Instructors Paul Dean Bailey, Ting Zhang

Session Professional Development Course

Thursday, April 27  
8:00 am – 3:45 pm

**PDC05: Designing Surveys for Education Research**  
*San Antonio Marriott Rivercenter, Third Floor, Conference Rooms 3 & 4*

Instructors Mark Masterton, Jeremy Redford, Jill Walston

Session Professional Development Course

Thursday, April 27  
8:00 am – 3:45 pm

**PDC06: Hierarchical Linear Modeling With Large-Scale International Databases**  
*Henry B. Gonzalez Convention Center, Ballroom Level, Room 303 C*

Instructors Sakiko Ikoma, David C. Miller, Bitnara Jasmine Park, Yuan Zhang

Session Professional Development Course

Friday, April 28  
8:00 am – 3:45 pm

**PDC12: Advanced Meta-Analysis**  
*San Antonio Marriott Riverwalk, Second Floor, Ballroom Level, Alamo Ballroom Salon D*

Instructor Ryan Williams

Session Professional Development Course

Sunday, April 30  
8:00 am – 12:00 pm

**PDC23: Building Researchers' Capacity to Partner With Practitioners to Conduct Relevant and Useful Research**  
*San Antonio Marriott Riverwalk, Second Floor, Ballroom Level, Alamo Ballroom Salon A*

Instructors Alicia Garcia, Julie Kochanek

Session Professional Development Course

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## Religion and Education

Saturday, April 29  
8:15 am – 9:45 am

**Measuring Leadership Practices in Jewish Day Schools**  
*Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 1*

Presenter/Author Yael Kidron

Session Leadership and Citizenship in Religious Schools

## Research, Evaluation, and Assessment in Schools

### Applied Research in Schools

Friday, April 28  
12:25 pm – 1:55 pm

**Promoting Academic Achievement for English Language Learners Through Instructional Interventions and Teacher Preparation**

*Henry B. Gonzalez Convention Center, River Level, Room 7B*

Discussant Peggy Clements

Friday, April 28  
4:05 pm – 5:35 pm

**Connecting Deeper Learning to High School Graduation**

*Henry B. Gonzalez Convention Center, River Level, Room 7A*

Presenter/Author Jordan Rickles

Session Fostering Deeper Learning in High Schools and Examining Its Effects on Student Outcomes

Friday, April 28  
4:05 pm – 5:35 pm

**Deeper Learning and College Attendance: What Happens After High School?**

*Henry B. Gonzalez Convention Center, River Level, Room 7A*

Presenter/Author Rui Yang

Session Fostering Deeper Learning in High Schools and Examining Its Effects on Student Outcomes

Friday, April 28  
4:05 pm – 5:35 pm

**Deeper Learning and Equitable Outcomes: Is the Impact of Deeper Learning Consistent Across Student Subgroups?**

*Henry B. Gonzalez Convention Center, River Level, Room 7A*

Presenter/Author Kristina Lillian Zeiser

Session Fostering Deeper Learning in High Schools and Examining Its Effects on Student Outcomes

Friday, April 28  
4:05 pm – 5:35 pm

**School Features and Student Opportunities for Deeper Learning: What Makes a Difference?**

*Henry B. Gonzalez Convention Center, River Level, Room 7A*

Presenters/Authors Helen Duffy, Mette Huberman, Jessica Mason, Jennifer O'Day

Session Fostering Deeper Learning in High Schools and Examining Its Effects on Student Outcomes

Monday, May 1  
10:35 am – 12:05 pm

**How Large Are the Cumulative Effects of Interim Assessments on Student Achievement?**

*Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 2*

Presenter/Author Shazia Miller

Session Applied Research in School: Teaching and Learning



## Assessment in Schools

Sunday, April 30  
2:15 pm – 3:45 pm

### **A Longitudinal Study of Middle School Students' Creativity** *Henry B. Gonzalez Convention Center, Street Level, Exhibit Hall 4*

Presenter/Author Rui Yang

Session Current Issues in School-Based Assessment

## Program Evaluation in Schools

Friday, April 28  
12:25 pm – 1:55 pm

### **Impacts of Ramp-Up to Readiness™ After One Year of Implementation**

*Henry B. Gonzalez Convention Center, Street Level, Exhibit Hall 4*

Presenters/Authors Elisabeth Davis, James Lindsay, Amy Proger

Session Program Evaluation With a Purpose: Creating Equal Opportunities for Learning in Schools

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## Research Focus on Black Education

Friday, April 28  
2:15 pm – 3:45 pm

### **Perspectives on the Role of Parent Involvement in Black Education**

*Grand Hyatt San Antonio, Fourth Floor, Crockett B*

Chair Montrisha Monéy Williams

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## Research Use

Friday, April 28  
2:15 pm – 3:45 pm

### **Forming a Professional Learning Community to Overcome Collaborative Research Challenges**

*Henry B. Gonzalez Convention Center, River Level, Room 7D*

Presenters/Authors Erin Roth, Carrie Lynne Scholz

Session Research-Practice Partnerships: Lessons Learned by Two Regional Educational Laboratories

Friday, April 28  
2:15 pm – 3:45 pm

### **Lessons Learned in Working With Stakeholder Advisors Through Research-Practice Partnerships**

*Henry B. Gonzalez Convention Center, River Level, Room 7D*

Presenters/Authors Julie Kochanek, James Lindsay

Session Research-Practice Partnerships: Lessons Learned by Two Regional Educational Laboratories

Friday, April 28  
2:15 pm – 3:45 pm

### **Research-Practice Partnerships: Dissemination Lessons From Two Regional Educational Laboratories**

*Henry B. Gonzalez Convention Center, River Level, Room 7D*

Presenters/Authors Sonica Dhillon, Alicia Garcia, Lisa Shimmel

Session Research-Practice Partnerships: Lessons Learned by Two Regional Educational Laboratories

Friday, April 28  
2:15 pm – 3:45 pm

**Research-Practice Partnerships: Lessons Learned by Two Regional Educational Laboratories**  
*Henry B. Gonzalez Convention Center, River Level, Room 7D*  
Chair Julie Kochanek

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## School Turnaround and Reform

Friday, April 28  
10:35 am – 12:05 pm

**Measuring Impact and Understanding Implementation of School Improvement Grants in Massachusetts**  
*Henry B. Gonzalez Convention Center, Meeting Room Level, Room 217 B*  
Presenters/Authors Amelia Auchstetter, Dioni Garcia-Piriz, Alexandra Kistner, Christina LiCalsi, Karen Melchior, Laura Stein  
Session SIG to ESSA: New Lessons in School Turnaround

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## Second Language Research

Monday, May 1  
10:35 am – 12:05 pm

**Teacher and Student Attitudes Toward a Math Intervention for Middle-Grade English Learners: Yes!**  
*Grand Hyatt San Antonio, Third Floor, Bonham E*  
Discussant Diane August

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## Seminars

Friday, April 28  
8:00 am – 10:30 am

**International Session on Societal Challenges and Educational Research—German Institute for International Educational Research**  
*Henry B. Gonzalez Convention Center, River Level, Room 8B*  
Participants Frank Torres Fonseca, David C. Miller

Monday, May 1  
10:35 am – 6:00 pm

**AERA-Deeper Learning Fellows Workshop—Day 1: Closed Meeting**  
*Grand Hyatt San Antonio, Third Floor, Bonham B*  
Participants Michael Gareth, Jennifer O'Day, Jordan Rickles, Rui Yang, Kristina Lillian Zeiser

## Social and Emotional Learning

Monday, May 1  
12:25 pm – 1:55 pm

### **Moving the Needle on Social and Emotional Learning: Programs and Potential**

*Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 1*

Chair Ginger Stoker

Monday, May 1  
12:25 pm – 1:55 pm

### **The Effects of a School-Based Program on Social and Emotional Learning in Elementary Schools**

*Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 1*

Presenters/Authors Yael Kidron, David Osher

Session Moving the Needle on Social and Emotional Learning: Programs and Potential

## Social Context of Education

### Macro-Analysis of the Social Contexts of Teaching and Learning

Friday, April 28  
10:35 am – 12:05 pm

### **Implementing an Intervention to Transform the Placement of Student Teachers in Spokane Public Schools**

*Henry B. Gonzalez Convention Center, Meeting Room Level, Room 221 C*

Presenters/Authors Dan Goldhaber, Roddy Theobald

Session Crossing Boundaries and Increasing Impact: Lessons from Successful Research-Practice Partnerships

### Studies of Diversity and Variation With Social Contexts of Education

Monday, May 1  
2:15 pm – 3:45 pm

### **"I Felt Like a Fish Without Water": First-Year Experiences of Middle College High School Alumni**

*Grand Hyatt San Antonio, Second Floor, Lone Star Ballroom Salon F*

Presenter/Author Montrisha Monéy Williams

Session Queering the First Year Experience: Hidden Hindrances to Retaining High Performing Students of Color

### Studies of the Multiple Languages and Literacies of Varied Social Contexts

Sunday, April 30  
2:15 pm – 3:45 pm

### **School Infrastructure Changes as Catalysts for Instructional Improvement Among High School Teachers of English Language Learners**

*Grand Hyatt San Antonio, Third Floor, Bonham A*

Presenters/Authors Trisha Borman, Natalya Gnedko-Berry

Session Research to Action: Equity and Opportunity for Immigrant English Learners in High Schools

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## Special Education Research

Thursday, April 27  
4:05 pm – 5:35 pm

**A Confirmatory Factor Analysis of School Engagement for Students With Learning Disabilities or Emotional Disabilities**  
*Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 2*

Presenter/Author Zachary Weingarten

Session SER SIG: Poster Session

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## Teaching and Teacher Education

### Policy and Research

Thursday, April 27  
2:15 pm – 3:45 pm

**Massachusetts Study of Teacher Supply and Demand: Trends and Projections**

*Grand Hyatt San Antonio, Second Floor, Lone Star Ballroom Salon A*

Presenters/Authors Alex Berg-Jacobson, Jesse Levin

Session Teacher Shortages, Fact or Fiction? New Perspectives on Tracking Trends in the Teacher Workforce

Thursday, April 27  
2:15 pm – 3:45 pm

**Teacher Shortages: How They Are Measured, Framed, and Addressed (or Not)**

*Grand Hyatt San Antonio, Second Floor, Lone Star Ballroom Salon A*

Presenter/Author Ellen Behrstock-Sherratt

Session Teacher Shortages, Fact or Fiction? New Perspectives on Tracking Trends in the Teacher Workforce

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## Test Validity Research and Evaluation

Saturday, April 29  
8:15 am – 9:45 am

**Investigating the Student Growth Across Subgroups From 2015 to 2016 in the AzMERIT Statewide Assessment**

*Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 1*

Presenters/Authors Stephan Ahadi, Myung Hee Im

Session Examining Construct Irrelevant Factors Impacting Test Score Interpretations in Statewide Assessments

Saturday, April 29  
8:15 am – 9:45 am

**Investigating the Test Mode Difference in Item Characteristics and Student Subgroups in Statewide Assessments**

*Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 1*

Presenter/Author Xiaoxin Elizabeth Wei

Session Examining Construct Irrelevant Factors Impacting Test Score Interpretations in Statewide Assessments

Saturday, April 29  
8:15 am – 9:45 am

**The Effect of the Time When the Test Is Taken on Student Performance in Statewide Assessments**

*Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 1*

Presenters/Authors Stephan Ahadi, Yuan Hong

Session Examining Construct Irrelevant Factors Impacting Test Score Interpretations in Statewide Assessments

## AERA SESSIONS

Sunday, April 30  
10:35 am – 12:05 pm

**Promoting the Educational Success of Children and Youth Learning English: Promising Futures—An Academies Report**

*Henry B. Gonzalez Convention Center, 302 A & B*

Participant Diane August

Sunday, April 30  
2:15 pm – 3:45 pm

**Longitudinal Administrative Data Systems—Developing Guidelines for Producers and Users—Co-Sponsored With World Education Research Association**

*Henry B. Gonzalez Convention Center, Ballroom Level, Room 305*

Discussant Jack Buckley

## THE NATIONAL COUNCIL ON MEASUREMENT IN EDUCATION 2017 ANNUAL MEETING AND TRAINING SESSIONS

The National Council on Measurement in Education (NCME) is holding its 2017 annual meeting and training sessions at the San Antonio Marriott Rivercenter in San Antonio, TX, April 26–30, in conjunction with AERA’s annual meeting. AIR staff members have been selected to give the following presentations at NCME’s annual meeting:

Wednesday, April 26  
1:00 pm – 5:00 pm

**Analyzing NAEP Data Using Plausible Values and Marginal Estimation With AM**

*San Antonio Marriott Rivercenter, Conference Room 1&2, Meeting Room Level*

Presenters/Authors Young Yee Kim, Emmanuel Sikali

Session Professional Development Workshop

Friday, April 28  
12:25 pm – 1:55 pm

**Detecting Multidimensional Differential Item Functioning**

*San Antonio Marriott Rivercenter, Conference Room 3&4, Meeting Room Level*

Presenters/Authors Hyesuk Jang, Ming Lei

Session Psychometric Issues In Multidimensional IRT

**Developing Scalar Linking Constants in Multidimensional IRT Modeling**

*San Antonio Marriott Rivercenter, Conference Room 3&4, Meeting Room Level*

Presenter/Author Ming Lei

Session Psychometric Issues In Multidimensional IRT

**Explaining Away and Paradoxical Results**

*San Antonio Marriott Rivercenter, Conference Room 3&4, Meeting Room Level*

Presenter/Author Frank Rijmen

Session Psychometric Issues In Multidimensional IRT

**Posterior Predictive Model Checking in Detecting Testlet Clustering Effects**

*San Antonio Marriott Rivercenter, Conference Room 3&4, Meeting Room Level*

Presenter/Author Chao Xie

Session Psychometric Issues In Multidimensional IRT

**Psychometric Issues In Multidimensional IRT**

*San Antonio Marriott Rivercenter, Conference Room 3&4, Meeting Room Level*

Organizer Ming Lei

Friday, April 28  
2:15 pm – 3:45 pm

**Imputing 12th-Grade NAEP Mathematics Scores for the Full HSLs Sample**

*San Antonio Marriott Rivercenter, Salon D, Meeting Room Level*

Presenters/Authors George Bohrnstedt, Markus Broer, Burhan Ogut

Session Dealing With Missing Data

**The Relationship Between Experiences With Technology and Reading Performance in NAEP**

*San Antonio Marriott Rivercenter, Salon L, Meeting Room Level*

Presenters/Authors Young Yee Kim, Bitnara Jasmine Park, Jiao Yu

Session Validity Issues in Test Design

Saturday, April 29  
10:35 am – 12:05 pm

**The Impacts of Psychometric Item Properties on Subscore Reliability in Multidimensional IRT**

*San Antonio Marriott Rivercenter, Salon K, Meeting Room Level*

Presenter/Author Yoonjeong Kang

Session Multidimensional Estimation of Subscores

Sunday, April 30  
10:35 am – 12:05 pm

**Construct Comparability Between Paper- and Digital-Based Assessments in NAEP Grade 8 Mathematics**

*San Antonio Marriott Rivercenter, Salon J, Meeting Room Level*

Presenters/Authors Young Yee Kim, Soo Lee, Jiao Yu

Session Electronic Board Session

Sunday, April 30  
12:25 pm – 1:55 pm

**New Measures of Digital Access, Familiarity, Efficacy, and Engagement for Large-Scale Assessments**

*San Antonio Marriott Rivercenter, Conference Room 3&4, Meeting Room Level*

Organizer Sami Kitmitto

Chair George Bohrnstedt

**The Impacts of Psychometric Item Properties on Subscore Reliability in Multidimensional IRT**

*San Antonio Marriott Rivercenter, Conference Room 3&4, Meeting Room Level*

Presenters/Authors Sami Kitmitto, Bitnara Jasmine Park

Session New Measures of Digital Access, Familiarity, Efficacy, and Engagement for Large-Scale Assessments

Sunday, April 30  
2:15 pm – 3:45 pm

**Constructing Math Motivation Factors and Testing Measurement Invariance**

*San Antonio Marriott Rivercenter, Salon D, Meeting Room Level*

Presenters/Authors George Bohrnstedt, Markus Broer, Sakiko Ikoma, Burhan Ogut, Bitnara Jasmine Park, Jizhi Zhang

Session Structural Equating Modeling







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