



American Institutes for Research at the American Educational Research Association (AERA) 2022 Annual Meeting

San Diego, CA, and Virtual
April 21 – 26, 2022

NOTE: Starting times of presentations are listed in Pacific time (local time in San Diego). Virtual attendees should plan accordingly based on their respective geographic regions.

air.org/careers

#AIRatAERA



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Advancing Evidence.
Improving Lives.



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About AIR

Established in 1946, with headquarters in Arlington, Virginia, the American Institutes for Research® (AIR®) is a nonpartisan, not-for-profit organization that conducts behavioral and social science research and delivers technical assistance to solve some of the most urgent challenges in the U.S. and around the world. We advance evidence in the areas of education, health, the workforce, human services, and international development to create a better, more equitable world. For more information, visit AIR.ORG.

To learn more about career opportunities at AIR, visit <http://www.air.org/build-career-air>.

For general information, email inquiry@air.org.

Meet Us at AERA

More than 70 experts are representing AIR during this year's annual AERA meeting, which is being held in San Diego, CA, and virtually. This booklet identifies the sessions during which AIR experts are presenting or to which they have contributed.

AIR's mission is to generate and use rigorous evidence that contributes to a better, more equitable world. Our mission is more than just a statement—it is the foundation of our organization. It inspires our people, informs our work, and drives how we partner with others to improve lives and increase opportunities.

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 four sections:

- [AERA presentations by date and time](#)
- [AERA presentations by topic](#)
- [AERA professional development courses*](#)
- [Presentations at the 2022 Annual Meeting of the National Council on Measurement in Education \(NCME\)](#)

AIR staff are listed alphabetically.

* AERA is hosting professional development courses on April 20 and April 24. See index for specific dates and times of courses involving AIR staff.

Index of AERA Presentations by Date and Time

Wednesday, April 20

Wednesday, April 20
9:00 am – 11:30 am PT

[Honoring the Both/And: Ethics of Care in and Outside of the Academy](#)

*Division Virtual Rooms, Division G: Social Context of Education
Virtual Paper Session Room*

Chair Sarah Mae Oliver

Thursday, April 21

Thursday, April 21
8:00 am – 9:30 am PT

[School Climate Assessments: Measuring the Conditions That Support Students' Social and Emotional Competencies](#)

Marriott Marquis San Diego Marina, Floor: North Tower, Ground Level, Pacific Ballroom 23

Presenters/Authors Juliette Berg, Anne Diffenderffer, David M. Osher

Session Assessing Competencies for Social and Emotional Learning: Conceptualization, Development and Applications

Thursday, April 21
11:30 am – 1:00 pm PT

[Are Student Needs-Targeted Funds Allocated to the Schools that Need Them the Most? Voices from the Field](#)

Marriott Marquis San Diego Marina, Floor: North Building, Lobby Level, Rancho Santa Fe 2

Presenters/Authors Drew Atchison, Iliana Brodziak de los Reyes, Caitlin Kearns, Jesse D. Levin, Alejandra Martin

Session School Finance Policy, Equity and Resource Allocation: Evidence from K–12 and Higher Education

[Redlining in Texas and Present-Day Educational Opportunity: A Geospatial Analysis](#)

San Diego Convention Center, Exhibit Hall B

Presenter/Author Matthew James Farmer

Session Constructing and Challenging Borders in Educational Theory and Practice

Thursday, April 21
2:30 pm – 4:00 pm PT

[Strengthening NAEP Interactive Computer Tasks Through Increased Student Engagement](#)

SIG Virtual Rooms, SIG-NAEP Studies Virtual Paper Session Room

Presenter/Author Yan Wang

Session The Impact of Item, Test and Test-Taker Characteristics on Engagement During NAEP Assessments

Thursday, April 21
2:30 pm – 4:00 pm PT

Supports Associated With Teacher Retention in Michigan

San Diego Convention Center, Exhibit Hall B

Presenters/Authors Natalya Gnedko-Berry, Jennie Jiang,
James J. Lindsay, Carol Wan

Session Retaining Teachers for Diverse Contexts

Thursday, April 21
4:15 pm – 5:45 pm PT

Examining the Efficacy of Restorative Practices on School Safety and Student Outcomes

San Diego Convention Center, Exhibit Hall B

Presenters/Authors Amelia Auchstetter, Roger Jarjoura,
Christina LiCalsi, Andrew P. Swanlund,
Melissa Yisak

Session Evaluation and Instructional Interventions
in Schools

From Research to Practice: Promoting Social and Emotional Learning Skills for All Students Through Innovative Social Inclusion Programming

Marriott Marquis San Diego Marina, Floor: North Building, Lobby Level, Marriott Grand Ballroom 3

Discussant Burhan Ogut

Special Olympics Unified Champion Schools Program and Student Academic and Behavioral Outcomes

Marriott Marquis San Diego Marina, Floor: North Building, Lobby Level, Marriott Grand Ballroom 3

Presenter/Author Garima Siwach

Session From Research to Practice: Promoting
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All Students Through Innovative Social
Inclusion Programming

Friday, April 22

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8:00 am – 9:30 am PT

College Preparedness Benchmarks for the Grade 12 NAEP Mathematics Assessment

Marriott Marquis San Diego Marina, Floor: North Building, Lobby Level, Marriott Grand Ballroom 6

Presenters/Authors George W. Bohrstedt, Markus Broer,
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Session Does NAEP Predict Student Postsecondary
Preparedness?

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Disadvantage and Devices: Changes in Technology Access by Socioeconomic Status for the 2017–2019 NAEP

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Presenters/Authors Markus Broer, Rebecca Shipan
Session Challenges and Experiences of NAEP Across School Types and Socioeconomic Status

Entrance to Four-Year College STEM Majors: Motivation, STEM Course-Taking, NAEP Mathematics Performance and Social Networks

Marriott Marquis San Diego Marina, Floor: North Building, Lobby Level, Marriott Grand Ballroom 6

Presenters/Authors Yifan Bai, George W. Bohrnstedt, Markus Broer, Darrick Yee, Jizhi Zhang, Xiaying Zheng
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Informing NAEP Survey Development: Noncognitive Predictors of College Enrollment From the High School Longitudinal Study of 2009

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Engaging Dual Language Learner Families in Their Child's Early Education

Manchester Grand Hyatt, Floor: 2nd Level, Harbor Tower, Harbor Ballroom C

Presenter/Author Iliana Brodziak de los Reyes
Session Supporting Dual Language Learners, Their Families and Their Teachers: A Statewide Study of Learning Across Systems

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Effects of Grant Aid on College Student Outcomes: Systematic Review and Meta-Analysis

Marriott Marquis San Diego Marina, Floor: South Building, Level 1, Leucadia

Presenters/Authors Megan Austin, Joshua R. Polanin, Melissa Angelina Rodgers
Session Exploring the Intricacies of Financial Aid Policy: Aid Applications and Student Outcomes

Impacts of Attending a Deeper Learning Network High School on College Enrollment and Degree Completion

San Diego Convention Center, Exhibit Hall B

Presenters/Authors Catherine Sousa Bitter, Elaine Yang, Kristina Lillian Zeiser
Session College Access, Choice and Transitions

Replicating an Intervention Designed to Mitigate Academic and Social Adversity for Transitioning Middle School Students

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Presenters/Authors Trisha Borman, Chad Henry, Scott Houghton, Alejandra Martin, So Jung Park, Bo Zhu
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The Role of Funding in Supporting Equitable School Reform Policies

Division Virtual Rooms, Division L - Section 9: Policy Implementation and Going to Scale Virtual Roundtable Session Room

Chair Amanda E. Danks

Saturday, April 23

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8:00 am – 9:30 am PT

Division G Fireside Chat. The Possibilities Ahead: Addressing the Impact of COVID-19 on Educational Equity

Graduate Student Council Virtual Rooms, Graduate Student Council Virtual Paper Session Room

Chair Sarah Mae Oliver

Saturday, April 23
11:30 am – 1:00 pm PT

Are Technical High Schools Worth the Investment? A Cost-Benefit Analysis

Manchester Grand Hyatt, Floor: 3rd Level, Seaport Tower, Torrey Hills A

Presenter/Author Mary Smith

Session New Evidence on the Effectiveness of Career and Technical Education

New Evidence on the Effectiveness of Career and Technical Education

Manchester Grand Hyatt, Floor: 3rd Level, Seaport Tower, Torrey Hills A

Chair Katherine Hughes

Saturday, April 23
2:30 pm – 4:00 pm PT

An Equity-Focused Examination of Application Processes in Mathematics and Science Teacher Education

Marriott Marquis San Diego Marina, Floor: North Building, Lobby Level, Rancho Santa Fe 2

Presenters/Authors Dan Goldhaber, Roddy Theobald

Session Teacher Recruitment, Preparation and Workforce Diversity

How Do the Outcomes of Middle-Skilled Adults Compare?

Manchester Grand Hyatt, Floor: 3rd Level, Seaport Tower, Hillcrest CD

Presenters/Authors Emily Pawlowski, Jaleh B. Soroui

Session Program for the International Assessment of Adult Competencies Studies of Adult Literacy and Education

Preservice Predictors of Teacher Candidates' Employment and Earnings Inside and Outside of Public Schools

Marriott Marquis San Diego Marina, Floor: North Building, Lobby Level, Rancho Santa Fe 2

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Teacher Recruitment, Preparation and Workforce Diversity

Marriott Marquis San Diego Marina, Floor: North Building, Lobby Level, Rancho Santa Fe 2

Chair Roddy Theobald

Sunday, April 24

Sunday, April 24
8:00 am – 9:30 am PT

AERA Graduate Student Council: Closed Meeting 1

Marriott Marquis San Diego Marina, Floor: South Building, Level 3, Marina Ballroom G

Participant Sarah Mae Oliver

“Mothering While Black”: Birthing a Black Boy During COVID-19 and Heightened Police Brutality Protest

Marriott Marquis San Diego Marina, Floor: North Building, Lobby Level, Presidio 1 & 2

Presenter/Author Montrisha Money Williams

Session “Control, Alt, Delete”: Recalibrating Work-Life Harmony and Reaffirming Scholarly Identity to Better Cultivate Educational Equity

Sunday, April 24
11:30 am – 1:00 pm PT

Quantitative Methods for Rigorous Equitable Research

San Diego Convention Center, Floor: Upper Level, Ballroom 6F

Chair and Moderator Sarah Peko-Spicer

Panelist Jessica Heppen

Sunday, April 24
2:30 pm – 4:00 pm PT

Student- and School-Level Predictors of Geography Achievement in the United States, 1994–2018

Marriott Marquis San Diego Marina, Floor: South Building, Level 3, Palomar

Presenter/Author Corey Savage

Session Predictors of Academic Achievement: Evidence From NAEP

The Relationship Between Algebra Skills, NAEP Performance and Postsecondary Outcomes

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Now or Never: The Possibilities of Critical Race Theory to Promote Equity in Education Pedagogy and Practice

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Discussant Sarah Mae Oliver

Monday, April 25

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9:45 am – 11:15 am PT

Bibliometric Network Analysis in Systematic Landscape Studies: Defining Concentrations of Ideas Within the Landscape

SIG Virtual Rooms, SIG-Systematic Review and Meta-Analysis Virtual Paper Session Room

Presenter/Author Joseph Taylor

Session Maximize Capacities of Systematic Reviews: New Tools and Approaches That Can Help

Classroom Management and the School-to-Prison Pipeline

SIG Virtual Rooms, SIG-Classroom Management Virtual Paper Session Room

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Session Recent Research on Classroom Management: The Latest Edition of the Handbook of Classroom Management

Incorporating Economic Evidence in Systematic Reviews in Education

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Chair Joshua R. Polanin

Meta-Reviewer: A Free, New Online Tool for Researchers Conducting a Systematic Review and Meta-Analysis

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Monday, April 25
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Characteristics of and Enrollment Patterns for Pre-K–3 Public Montessori Applicants

San Diego Convention Center, Floor: Upper Level, Sails Pavilion

Presenters/Authors Ann-Marie Faria, Dong Hoon Lee, Karen Manship

Session Montessori Education SIG Poster Session: Advances in Research, Practice and Equity (San Diego)

Monday, April 25
2:30 pm – 4:00 pm PT

Investigating the Association Between Students’ Financial Literacy and Money-Matter Discussions With Parents, Using PISA 2018

Manchester Grand Hyatt, Floor: 3rd Level, Seaport Tower, Torrey Hills A

Presenters/Authors Frank Torres Fonseca, Marisa Hall, Sakiko Ikoma
Session Educational Research With Diverse National and International Data Sets

Successes and Challenges Implementing Equitable High School Pathways for College and Career Readiness

San Diego Convention Center, Exhibit Hall B

Presenter/Author Lynn T. Mellor
Session Centering Equity and Social Justice in Policy Design and Implementation

Trending Downward: Highlighting 2017–2019 Changes Across NAEP Noncognitive Constructs

Manchester Grand Hyatt, Floor: 3rd Level, Seaport Tower, Torrey Hills A

Presenters/Authors Alison Filbey, Martin Hooper, Jennifer Mazzella, Rebecca Shipan
Session Educational Research With Diverse National and International Data Sets

Monday, April 25
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Advanced Studies of National Databases SIG Business Meeting and Invited Talk by Dr. Amy Rathbun

SIG Virtual Rooms, SIG-Advanced Studies of National Databases Virtual Paper Session Room

Speaker Amy Rathbun

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Special Education Teacher Preparation, Literacy Instructional Alignment and Reading Achievement for Students With High-Incidence Disabilities

Marriott Marquis San Diego Marina, Floor: South Building, Level 1, Leucadia

Presenters/Authors Dan Goldhaber, Kristian Holden, Roddy Theobald
Session Effective and Equitable Literacy Instruction

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[How Do the Outcomes of Middle-Skilled Adults Compare?](#)
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AERA Governance

Sunday, April 24
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[AERA Graduate Student Council: Closed Meeting 1](#)
Marriott Marquis San Diego Marina, Floor: South Building, Level 3, Marina Ballroom G

Participant Sarah Mae Olivar

AERA Presidential Session

Saturday, April 23
11:30 am – 1:00 pm PT

Quantitative Methods for Rigorous Equitable Research
San Diego Convention Center, Floor: Upper Level, Ballroom 6F

Chair and Moderator Sarah Peko-Spicer

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Career and Technical Education

Saturday, April 23
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**Are Technical High Schools Worth the Investment?
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Presenter/Author Mary Smith

Session New Evidence on the Effectiveness of Career and Technical Education

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Classroom Management

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Classroom Management and the School-to-Prison Pipeline
SIG Virtual Rooms, SIG-Classroom Management Virtual Paper Session Room

Presenter/Author David M. Osher

Session Recent Research on Classroom Management: The Latest Edition of the Handbook of Classroom Management

Early Education and Child Development

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Engaging Dual Language Learner Families in Their Child's Early Education
Manchester Grand Hyatt, Floor: 2nd Level, Harbor Tower, Harbor Ballroom C

Presenter/Author Iliana Brodziak de los Reyes

Session Supporting Dual Language Learners, Their Families and Their Teachers: A Statewide Study of Learning Across Systems

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Educational Policies and Politics

Policy Implementation and Going to Scale

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Successes and Challenges Implementing Equitable High School Pathways for College and Career Readiness

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Social Policy and Education

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The Role of Funding in Supporting Equitable School Reform Policies

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Fiscal Issues, Policy and Education Finance

Thursday, April 21
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[Are Student Needs-Targeted Funds Allocated to the Schools that Need Them the Most? Voices from the Field](#)

Marriott Marquis San Diego Marina, Floor: North Building, Lobby Level, Rancho Santa Fe 2

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Graduate Student Council

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Graduate Student Council Virtual Rooms, Graduate Student Council Virtual Paper Session Room

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Learning and Instruction

Literacy

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[Special Education Teacher Preparation, Literacy Instructional Alignment and Reading Achievement for Students With High-Incidence Disabilities](#)

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Educational Measurement, Psychometrics and Assessment

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Research, Evaluation and Assessment in Schools

Applied Research in Schools

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Program Evaluation in Schools

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Postsecondary Education

College Student Access

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Social and Emotional Learning

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[From Research to Practice: Promoting Social and Emotional Learning Skills for All Students Through Innovative Social Inclusion Programming](#)

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Differences and Intersectionalities

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Education and Place, Space, Time

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Monday, April 25
9:45 am – 11:15 am PT

[Meta-Reviewer: A Free, New Online Tool for Researchers Conducting a Systematic Review and Meta-Analysis](#)

SIG Virtual Rooms, SIG-Systematic Review and Meta-Analysis Virtual Paper Session Room

Presenters/Authors Megan Austin, Laura Michaelson, Joshua R. Polanin, Ryan Williams

Session Maximize Capacities of Systematic Reviews: New Tools and Approaches That Can Help

Teaching and Teacher Education

Teacher Recruitment, Induction, Mentoring and Retention for and from Diverse Communities and Contexts

- Thursday, April 21 **Supports Associated With Teacher Retention in Michigan**
 2:30 pm – 4:00 pm PT *San Diego Convention Center, Exhibit Hall B*
 Presenters/Authors Natalya Gnedko-Berry, Jennie Jiang,
 James J. Lindsay, Carol Wan
 Session Retaining Teachers for Diverse Contexts
- Saturday, April 23 **An Equity-Focused Examination of Application Processes in Mathematics and Science Teacher Education**
 2:30 pm – 4:00 pm PT *Marriott Marquis San Diego Marina, Floor: North Building, Lobby Level, Rancho Santa Fe 2*
 Presenters/Authors Dan Goldhaber, Roddy Theobald
 Session Teacher Recruitment, Preparation and Workforce Diversity
- Saturday, April 23 **Preservice Predictors of Teacher Candidates' Employment and Earnings Inside and Outside of Public Schools**
 2:30 pm – 4:00 pm PT *Marriott Marquis San Diego Marina, Floor: North Building, Lobby Level, Rancho Santa Fe 2*
 Presenters/Authors Dan Goldhaber, Roddy Theobald
 Session Teacher Recruitment, Preparation and Workforce Diversity
- Saturday, April 23 **Teacher Recruitment, Preparation and Workforce Diversity**
 2:30 pm – 4:00 pm PT *Marriott Marquis San Diego Marina, Floor: North Building, Lobby Level, Rancho Santa Fe 2*
 Chair Roddy Theobald

Index of AERA Professional Development Courses

Wednesday, April 20

Wednesday, April 20 [Introduction to Systematic Review and Meta-Analysis](#)
9:00 am – 5:00 pm PT *San Diego Convention Center, Floor: Upper Level, Room 11B*
Instructors Joshua R. Polanin, Joseph Taylor

Sunday, April 24

Sunday, April 24 [Exploring National Teacher and Principal Survey and Teaching and Learning International Survey Data Using the National Center for Education Statistics' Free Online Data Analysis Tools](#)
8:00 am – 12:00 pm PT *San Diego Convention Center, Floor: Mezzanine, Room 15B*
Director Ebru Erberber
Instructors Frank Torres Fonseca, Sakiko Ikoma

Index of Presentations at the 2022 Annual Meeting of the National Council on Measurement in Education (NCME)

NCME is holding its 2022 annual meeting on April 21–24 in San Diego, CA.

- April 8–11, 13, and 14: Virtual sessions
- April 21: Training sessions
- April 22–24: Annual meeting programs

In conjunction with AERA’s annual meeting, AIR staff members are presenting and/or have contributed to the following presentations at NCME’s annual meeting:

Saturday, April 9 (Virtual)

Saturday, April 9
10:30 am – Noon pm PT

Re-Envisioning Quantitative Information: Communicating NAEP Data to Parents and Policymakers

Virtual

Presenters/Authors Cadelle Hemphill, Juanita Hicks,
Elsie Lee-Robbins

Session Demonstration Session

Saturday, April 9
12:15 pm – 1:45 pm PT

Evaluating Effects of Text-to-Speech on Math Performance Using Propensity Score Models

Virtual

Presenters/Authors Young Yee Kim, Xiaying Zheng

Session Modeling Applications

Wednesday, April 13 (Virtual)

Wednesday, April 13
10:00 am – 2:00 pm PT

Process Squared: Mining the Processes in NAEP Process Data

Virtual

Presenters/Authors Ruhan Circi, Juanita Hicks

Session Training Session

Thursday, April 21

Thursday, April 21
8:00 am – 4:30 pm PT

Analyzing NAEP/TIMSS Data with Direct Estimation in R, Theory and Practice

Westin San Diego Gaslamp: La Jolla

Presenters/Authors Paul Bailey, Michael Lee, Sinan Yavuz,
Ting Zhang

Session Training Session

Friday, April 22

Friday, April 22
8:00 am – 9:30 am PT

Survey Weighted Mixed Models with Robust Variance Estimation in R

Westin San Diego Gaslamp, La Jolla

Presenters/Authors Paul Bailey, Ting Zhang

Session Software Demonstrations

Friday, April 22
9:45 am – 11:15 am PT

Process Data Topics

Westin San Diego Gaslamp, La Jolla

Discussant Ruhan Circi

Friday, April 22
11:30 am – 1:00 pm PT

Analyzing PIRLS 2016 to Explain Differences in Online and Offline Reading Scores

Westin San Diego Gaslamp, Del Mar

Presenter/Author Martin Hooper

Session Digital-Transitions, Device-Effects and Disadvantage in Large-Scale Assessments

Digital-Transitions, Device-Effects and Disadvantage in Large-Scale Assessments

Westin San Diego Gaslamp, Del Mar

Session Organizer Martin Hooper

Does Device-Type Matter?: Analysis of Tablet and PC Use on TIMSS

Westin San Diego Gaslamp, Del Mar

Presenters/Authors Yifan Bai, Martin Hooper, Fusun Sahin

Session Digital-Transitions, Device-Effects and Disadvantage in Large-Scale Assessments

Friday, April 22
11:30 am – 1:00 pm PT

Examining Digital Technology Access and Familiarity on NAEP 2019

Westin San Diego Gaslamp, Del Mar

Presenters/Authors George Borhnstedt, Brittany Boyd,
Martin Hooper, Sami Kitmitto,
Bitnara Jasmine Park

Session Digital-Transitions, Device-Effects and
Disadvantage in Large-Scale Assessments

Friday, April 22
2:30 pm – 4:00 pm PT

Examining the Effects of Speededness on Group Ability Estimation in NAEP

Westin San Diego Gaslamp, Plaza

Presenters/Authors Fusun Sahin, Young Yee Kim, Xiaying Zheng

Session Advanced Methods Using Large Scale
Assessment Data

Generating Synthetic Large-Scale Assessment Data

Westin San Diego Gaslamp, Plaza

Presenters/Authors Paul Bailey, Sinan Yavuz, Ting Zhang

Session Advanced Methods Using Large Scale
Assessment Data

Saturday, April 23

Saturday, April 23
8:00 am – 9:30 am PT

Measurement Invariance of English Proficiency Test on U.S. and International ELLs

Westin San Diego Gaslamp, California Ballroom C

Presenter/Author Sinan Yavuz

Session eBoard Session

Saturday, April 23
9:45 am – 11:15 am PT

What Lies Beyond? Process Data iSmart Tool

Westin San Diego Gaslamp, La Jolla

Presenters/Authors Ruhan Circi, Juanita Hicks

Session Software Demonstrations

Saturday, April 23
11:30 am – 1:00 pm PT

Identifying Response Time Thresholds for Solution Behaviors

California Ballroom C

Presenters/Authors Young Yee Kim, Xiaying Zheng

Session GSIC eBoard Session

Saturday, April 23
11:30 am – 1:00 pm PT

Usage of Accessibility and Universal Design Features in Digitally Based Assessment and Student Performance

Westin San Diego Gaslamp, Del Mar

Presenters/Authors Ruhan Circi, Juanita Hicks, Burhan Ogut, Darrick Yee, Michelle Yin

Session Students with Disabilities

Saturday, April 23
1:15 pm – 2:45 pm PT

Measuring High School Curriculum: How Do Different Methods Compare?

Westin San Diego Gaslamp, California Ballroom C

Presenters/Authors Ruhan Circi, Burhan Ogut, Darrick Yee

Session eBoard Session

Sunday, April 24

Sunday, April 24
1:15 pm – 2:15 pm PT

Comparing Imputation Methods for School-Level Variables in Large-Scale Assessments

Westin San Diego Gaslamp, California Ballroom C

Presenters/Authors Yifan Bai, Markus Broer, Sinan Yavuz, Xiaying Zheng

Session Approaches to Missing Data



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