



AMERICAN INSTITUTES FOR RESEARCH

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

2019 Annual Meeting

#AIRatAERA

Toronto, Ontario, Canada | April 4–9, 2019



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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Meet Us at AERA

Nearly 100 experts are representing AIR during this year's annual AERA meeting in Toronto, Ontario, Canada. 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. AIR staff are listed alphabetically.

Index of Presentations by Date and Time

Thursday, April 4

Thursday, April 4

8:00 am – 12:00 pm

NAEP Response Process Data

Fairmont Royal York Hotel, NCME—Salon A

Instructors Ruhan Circi, Fusun Sahin, Xiaying Zheng

Session Training Session

Thursday, April 4

9:00 am – 5:00 pm

Analyzing Data From International Large-Scale Assessments Using R

Metro Toronto Convention Centre, 700 Level, Room 711

Instructors Paul Dean Bailey, Ebru Erberber, Ting Zhang

Session Professional Development Course

Multilevel Modeling With Large-Scale International Databases Using the HLM Software Program

Metro Toronto Convention Centre, 700 Level, Room 716B

Instructors Martin Hooper, Sakiko Ikoma, Mengyi Li, David C. Miller, Yuan Zhang

Session Professional Development Course

Friday, April 5

Friday, April 5

8:00 am – 4:00 pm

Advanced Meta-Analysis

Metro Toronto Convention Centre, 700 Level, Room 715B

Instructor Ryan Williams

Session Professional Development Course

Friday, April 5

8:00 am – 5:00 pm

Fitting Multilevel Models to ECLS Data Using R

Metro Toronto Convention Centre, 700 Level, Room 713B

Instructors Paul Dean Bailey, Claire Kelley, Shannon Russell, Ting Zhang

Session Professional Development Course

Friday, April 5

12:00 pm – 1:30 pm

International Perspectives on School Climate and Student and Teacher Engagement

Metro Toronto Convention Centre, 200 Level, Room 203B

Discussant David Osher

Teachers' Perceptions of School Climate and Teacher Job Satisfaction: A Multilevel Analysis

Metro Toronto Convention Centre, 200 Level, Room 203B

Presenter/Author Yuting Li

Session International Perspectives on School Climate and Student and Teacher Engagement

Friday, April 5
12:00 pm – 2:00 pm

Assessing Creativity: Exploring the Relationships Among Self-Assessment, Teacher Ratings, and Divergent Thinking Tests
Metro Toronto Convention Centre, 200 Level, Room 201D

Presenter/Author Rui Yang

Session Advancing Creativity for Talent Development

Friday, April 5
4:20 pm – 5:50 pm

Facilitating Small-Group Discussions: Effects of Teacher Discourse Moves Across Various Group Compositions
Metro Toronto Convention Centre, 300 Level, Hall C

Presenter/Author Mengyi Li

Session Social and Cognitive Influences on Academic Performance

Friday, April 5
4:20 pm – 6:20 pm

Evaluating the Performance of Automated Essay Scoring in AzMERIT Assessments
Fairmont Royal York Hotel, Mezzanine, Confederation 3

Presenters/Authors Stephan Ahadi, Myong Hee Im, Yuan Hong

Session Special Topics in Test Validity Research: Artificial Intelligence in Test Construction and Scoring

Girls' and Boys' Mathematics and Science Performance: A Comparative Analysis Using 20 Years of TIMSS
Metro Toronto Convention Centre, 800 Level, Room 809

Presenter/Author Frank Fonseca

Session STEM Through an International Lens

Saturday, April 6

Saturday, April 6
8:00 am – 9:00 am

Leveraging Education Research in a “Post-Truth” Era: Multimodal Narratives to Democratize Evidence
The Westin Harbour Castle, Harbour Salon A

Chair David C. Miller

Saturday, April 6
8:00 am – 9:30 am

Who Overclaims? An Analysis of PISA 2012 Data
Metro Toronto Convention Centre, 800 Level, Hall F

Presenters/Authors Yuqi Liao, Bitnara Jasmine Park

Session International Networks for Teaching and Learning

Saturday, April 6
8:00 am – 10:00 am

An Analysis of Schools That Operate Under National School Lunch Program Community Eligibility Provision
Fairmont Royal York Hotel, Mezzanine, Confederation 6

Presenters/Authors Markus Broer, Chang Shuang Ji

Session Community Eligibility and National School Lunch Program Status: A View From NAEP

Saturday, April 6
8:00 am – 10:00 am

**Community Eligibility and National School Lunch Program Status:
A View From NAEP**

Fairmont Royal York Hotel, Mezzanine, Confederation 6

Chair and Discussant George Bohrnstedt

**Defining Crisis Papers: From Qualitative Methods to
Neural Networks**

Fairmont Royal York Hotel, Mezzanine, NCME—Territories

Presenters/Authors Sue Lottridge, Christopher Ormerod, Sherri Woolf

Session Pioneering Work in AIG

Handling Local Item Dependency of Testlets in Multistage Testing

Fairmont Royal York Hotel, Convention Floor, NCME—Salon B

Presenter/Author Ah-Young Shin

Session Emerging Research in Multistage Testing

**National School Lunch Program Eligibility and Its Relationship
With NAEP Performance on the National and State Levels**

Fairmont Royal York Hotel, Mezzanine, Confederation 6

Presenter/Author Markus Broer

Session Community Eligibility and National School Lunch Program
Status: A View From NAEP

School Spending, Salaries, and Staffing Under Accountability

Metro Toronto Convention Centre, 200 Level, Room 201E

Presenter/Author Drew Atchison

Session Resources Allocation in Pre-K–16 Education

Saturday, April 6
8:00 am – 12:00 pm

Using Data from the High School Longitudinal Study of 2009

Metro Toronto Convention Centre, 600 Level, Room 602B

Instructors Cameron McPhee, Jeremy Redford

Session Professional Development Course

Saturday, April 6
10:25 am – 11:55 am

Advancing the Measurement Field With Data Science

Fairmont Royal York Hotel, Mezzanine, NCME—Algonquin

Panelist Sue Lottridge

**Evaluating the Effects of Extended Time Accommodation
on Writing Performance in NAEP 2011**

Fairmont Royal York Hotel, Main Floor, NCME—Imperial Room

Presenters/Authors Young Yee Kim, Xiaying Zheng

Session Electronic Board Session 1

Saturday, April 6
10:25 am – 11:55 am

Locating Unreported Outcome Data for Use in a Meta-Analysis: Results From a Synthesis of Intervention Studies Reducing Cyberbullying

Metro Toronto Convention Centre, 800 Level, Hall G

Presenter/Author Joshua Polanin

Session Meta-Analysis in Education: Innovative Methods and Applications

Multigroup Cognitive Diagnostic Joint Modeling of Responses and Response Time

Fairmont Royal York Hotel, Main Floor, NCME—Imperial Room

Presenter/Author Dandan Liao

Session Electronic Board Session 1

Saturday, April 6
12:20 pm – 1:50 pm

Technology to Support English Learners in Community Colleges

Metro Toronto Convention Centre, 700 Level, Room 709

Presenter/Author Rebecca Bergey, Ann-Marie Faria, Alex Lishinski, Ashley Simpson Baird

Session English Language Learners in Community Colleges: Challenges and Opportunities

What Is Changing in the Classroom Internationally?: Measuring innovation for Improvement

Metro Toronto Convention Centre, 200 Level, Room 205D

Participant Sean P. “Jack” Buckley

Saturday, April 6
12:50 pm – 1:50 pm

Comparing Multiple Disability Groups in Alternate Assessments Using Differential Item Functioning

Fairmont Royal York Hotel, Main Floor, NCME—Imperial Room

Presenter/Author Fusun Sahin

Session GSIC Graduate Student Poster Session 1

Saturday, April 6
2:15 pm – 3:45 pm

Access to Accelerated Mathematics Course-Taking in Middle School and Beyond

Sheraton Centre Toronto Hotel, Mezzanine, Chestnut West

Chair Nicholas Sorensen

Discussant Kirk Walters

Construction of an Item Response Theory-Based Socioeconomic Status Index for NAEP 2003–2017

Fairmont Royal York Hotel, Main Floor, NCME—Imperial Room

Presenters/Authors Yifan Bai, Markus Broer

Session Electronic Board Session 2

Saturday, April 6
2:15 pm – 3:45 pm

**Does Readiness for Eighth-Grade Algebra Matter?
A Quasi-Experimental, Multisite Analysis of Short-
and Longer Term Outcomes**

Sheraton Centre Toronto Hotel, Mezzanine, Chestnut West

Presenters/Authors Whitney Cade, Ryan Eisner, Jordan Rickles,
Nicholas Sorensen, Kirk Walters

Session Access to Accelerated Mathematics Course-Taking
in Middle School and Beyond

**Do NAEP Long-Term Trend Mathematics and Program for the
International Assessment of Adult Competencies Numeracy
Measure a Similar Construct? An Indirect Approach**

Fairmont Royal York Hotel, Convention Floor, Concert Hall

Presenters/Authors Markus Broer, Sakiko Ikoma, Thomas Sun, Xiaying Zheng

Session Using NAEP to Understand Student Course-Taking,
Digital-Based Assessment Performance, and Assessment
Construct Similarities

**Examining the Relationship Between STEM Course-Taking
in High School and Grade 12 NAEP Mathematics Scores**

Fairmont Royal York Hotel, Convention Floor, Concert Hall

Presenters/Authors George Bohrnstedt, Markus Broer, Burhan Ogut,
Darrick Yee

Session Using NAEP to Understand Student Course-Taking,
Digital-Based Assessment Performance, and Assessment
Construct Similarities

**Mapping Background Variables with Sequential Patterns
in Problem-Solving Tasks**

Fairmont Royal York Hotel, Convention Floor, NCME—Ballroom

Presenter/Author Dandan Liao

Session Advanced Psychometrics for Process Data Analysis
in Large-Scale Assessments

**Mathematics Course-Taking Pathways for Joining STEM
in College**

Sheraton Centre Toronto Hotel, Mezzanine, Chestnut West

Presenter/Author David I. Miller

Session Access to Accelerated Mathematics Course-Taking
in Middle School and Beyond

**New Measures of Digital Technology Access and Familiarity
and Their Relationship With NAEP Performance**

Fairmont Royal York Hotel, Convention Floor, Concert Hall

Presenters/Authors George Bohrnstedt, Sami Kitmitto, Bitnara Jasmine Park

Session Using NAEP to Understand Student Course-Taking,
Digital-Based Assessment Performance, and Assessment
Construct Similarities

Saturday, April 6
2:15 pm – 3:45 pm

Positive Impact of Early College High Schools: Exploring the Mediating Role of High School Experience

Sheraton Centre Toronto Hotel, Second Floor, Kenora

Presenters/Authors Mengli Song, Kristina Zeisser

Session Investigating the Outcomes of Dual Enrollment Programs

Practical Implications of Two Combined Subtests in Subscore Reporting in Multidimensional Item Response Theory

Fairmont Royal York Hotel, Main Floor, NCME—Imperial Room

Presenter/Author Yoon-Jeong Kang

Session Electronic Board Session 2

The Role of Identity-Based Motivation in Teachers' Advanced Math Course Placement Decisions

Sheraton Centre Toronto Hotel, Mezzanine, Chestnut West

Presenters/Authors Ryan Eisner, Nicholas Sorensen, Kirk Walters

Session Access to Accelerated Mathematics Course-Taking in Middle School and Beyond

Transitions Into the Labor Force: Examining U.S. Young Adults by Student and Employment Status

Sheraton Centre Toronto Hotel, Mezzanine Level, Cedar

Presenter/Author Emily Pawlowski

Session What Skills Are Key to Labor Force Success? Results From PIAAC

Understanding Reading Motivation and Reading Achievement Gaps: The Case of NAEP

Fairmont Royal York Hotel, Convention Floor, Concert Hall

Presenters/Authors George Bohrnstedt, Markus Broer, Mengyi Li, Bitnara Jasmine Park, Darrick Yee, Jizhi Zhang

Session Using NAEP to Understand Student Course-Taking, Digital-Based Assessment Performance, and Assessment Construct Similarities

What Skills Are Key to Labor Force Success? Results From PIAAC

Sheraton Centre Toronto Hotel, Mezzanine Level, Cedar

Chair Katie Herz

Discussant Jaleh Soroui

Who Is Not Digitally Literate in the United States?

Sheraton Centre Toronto Hotel, Mezzanine Level, Cedar

Presenter/Author Saida Mamedova

Session What Skills Are Key to Labor Force Success? Results From PIAAC

Saturday, April 6
4:10 pm – 5:40 pm

**Fireside Chat—Navigating Professional Life After a Ph.D.:
Comparing Traditional and Nontraditional Career Pathways**
*Sheraton Centre Toronto Hotel, Second Floor, Provincial
Ballroom North*

Participant Bradley Quarles

Saturday, April 6
4:10 pm – 6:10 pm

**Automated Scoring Validity Research for a National Large-Scale
Writing Assessment**

Fairmont Royal York Hotel, Convention Floor, NCME—Ballroom

Discussant Sue Lottridge

**English Learners in STEM Subjects: Transforming Classrooms,
Schools, and Lives—A Report From the National Academies
of Science, Engineering, and Medicine**

Metro Toronto Convention Centre, 100 Level, Room 104B

Commentator Diane August

**Exploring Perceived Time Pressure and Speededness Using
NAEP Process Data**

Fairmont Royal York Hotel, Mezzanine, NCME—British Columbia

Presenters/Authors Juanita Hicks, Cheng Shuang Ji, Fusun Sahin

Session The Need for Speed? Practical Assessment Implications

**Regional Educational Laboratory Midwest Support for Minnesota
Department of Education's Teacher Supply and Demand Study**

Fairmont Royal York Hotel, Mezzanine, Tutor 7

Presenters/Authors Steve Dibb, James Lindsay, Yinmei Wan

Session Conducting Studies of Teacher Mobility and Retention
in Partnership With State and Local Education Agencies

**Regional Educational Laboratory Southwest Study of Teacher
Mobility in Texas Schools**

Fairmont Royal York Hotel, Mezzanine, Tutor 7

Presenters/Authors Elizabeth Barkowski, Shannon Lasserre-Cortez,
James Lindsay

Session Conducting Studies of Teacher Mobility and Retention
in Partnership With State and Local Education Agencies

**Registries, Registered Reports, Research Reporting and
Enhancing Education Research Transparency**

Metro Toronto Convention Centre, 100 Level, Room 104C

Participant Larry Hedges (AIR Institute Fellow)

Session AERA Sessions

Sunday, April 7

Sunday, April 7
8:00 am – 9:30 am

AERA Government Relations Committee: Closed Meeting
InterContinental Toronto Centre, Upper Lobby, Caledon

Participant Sean P. “Jack” Buckley

A Longitudinal Study of Families’ Use of a Public School Choice Lottery System

Metro Toronto Convention Centre, 800 Level, Hall G

Presenters/Authors Megan Austin, Kirk Walters, Rui Yang

Session MTCC Roundtable: Research on School Choice: Choosing and Recruiting

English Learners’ Acquisition of Academic Vocabulary: Instruction Matters, but So Do Word Characteristics

Sheraton Centre Toronto Hotel, Second Floor, Provincial Ballroom North

Presenters/Authors Lauren Artzi, Diane August

Session Learning Vocabulary in a Second Language: Exploring Challenges and Opportunities Across Levels of Development and Proficiency

Sunday, April 7
9:55 am – 11:25 am

Arts and Accessibility: What Influence Does Research Have?

Sheraton Centre Toronto Hotel, Second Floor, City Hall—Working Group

Chair Meredith Ludwig

Creating a Dynamic Inventory of Arts Policies and Research

Sheraton Centre Toronto Hotel, Second Floor, City Hall—Working Group

Presenter/Author Andrea Boyle

Session Arts and Accessibility: What Influence Does Research Have?

Implementing Improvement Science as a Problem-Finding Technique

Sheraton Centre Toronto Hotel, Second Floor, City Hall—Working Group

Presenter/Author Meredith Ludwig

Session Arts and Accessibility: What Influence Does Research Have?

Sunday, April 7
10:20 am – 11:50 am

Applying CUSUM-Based Person Fit Statistics to Detect Speededness

Fairmont Royal York Hotel, Mezzanine, NCME—Alberta

Presenter/Author Xiaying Zheng

Session Evaluating Test Speededness in NAEP Digitally Based Assessments

Comparison of Results From Three Methods and Discussion

Fairmont Royal York Hotel, Mezzanine, NCME—Alberta

Presenter/Author Xiaying Zheng

Session Evaluating Test Speededness in NAEP Digitally Based Assessments

Conceptual Framework and Overview of Speededness in NAEP

Fairmont Royal York Hotel, Mezzanine, NCME—Alberta

Presenter/Author Young Yee Kim

Session Evaluating Test Speededness in NAEP Digitally Based Assessments

Detecting Speededness Using Change Point Analysis on Response Data

Fairmont Royal York Hotel, Mezzanine, NCME—Alberta

Presenter/Author Xiaying Zheng

Session Evaluating Test Speededness in NAEP Digitally Based Assessments

Detecting Speededness Using Change Point Analysis on Response Time

Fairmont Royal York Hotel, Mezzanine, NCME—Alberta

Presenter/Author Xiaying Zheng

Session Evaluating Test Speededness in NAEP Digitally Based Assessments

Evaluating Test Speededness in NAEP Digitally Based Assessments

Fairmont Royal York Hotel, Mezzanine, NCME—Alberta

Chair Fusun Sahin

Sunday, April 7
11:50 am – 1:20 pm

Accounting for Student Attrition in Power Calculations: Benchmarks and Guidance

Metro Toronto Convention Centre, 300 Level, Hall C

Presenter/Author Jordan Rickles

Session Statistical Theory and Quantitative Methodologies

Sunday, April 7
11:50 am – 1:20 pm

Accurate Model Versus Accurate Estimates: A Study of Bayesian Single-Case Experimental Designs
Fairmont Royal York Hotel, Mezzanine Level, New Brunswick

Presenter/Author Larry Hedges (AIR Institute Fellow)

Session Model Contemplations: Identification, Detection, Effects, and Errors

Evaluating Early Mathematics Achievement Growth of Language-Minority Students and Native English Speakers Using the Early Childhood Longitudinal Study—Kindergarten 2011
Fairmont Royal York Hotel, Mezzanine, Tutor 8

Presenters/Authors Mengyi Li, Bitnara Jasmine Park, Thomas Sun, Yuan Zhang, Xiaying Zheng

Session Longitudinal Studies of STEM Interests, Choices, and Outcomes

Exploring the Relationship Between Quality Practice and Youth Leadership Outcomes in New York City
Sheraton Centre Toronto Hotel, Second Floor, Kenora

Presenter/Author Jessy Zadrazil Newman

Session Digging Deeper: Using Mixed-Methods Research to Assess Promising Practices in Out-of-School Time

The Challenges and Possibilities of Market-Based Reforms on Teacher Education in England and the United States
Metro Toronto Convention Centre, 800 Level, Hall G

Chair Yuting Li

Sunday, April 7
12:10 pm – 1:40 pm

Measurement and Policies Surrounding Accountability Testing
Fairmont Royal York Hotel, Convention Floor, NCME—Salon B

Discussant Fran Stancavage

Using the Discontinuation Rule to Reduce the Effect of Random Guessing
Fairmont Royal York Hotel, Mezzanine, NCME—Territories

Presenter/Author Youngmi Cho

Session New Directions in Item Response Theory

Sunday, April 7
3:20 pm – 4:50 pm

Communicating to the Public About Machine Scoring: What Works, What Doesn't
Fairmont Royal York Hotel, Convention Floor, NCME—Ballroom

Presenter/Author Sue Lottridge

Session Issues and Advances in Automated Scoring of Constructed-Response Items

Sunday, April 7
3:20 pm – 4:50 pm

Does Digital Familiarity Affect Performance in NAEP's 2012 Digitally Based Writing Assessment?

Fairmont Royal York Hotel, Mezzanine, NCME—British Columbia

Presenters/Authors Young Yee Kim, Xiaying Zheng

Session Score Comparability: Matters of Mode

Human Rating Errors and the Training of Automated Raters

Fairmont Royal York Hotel, Convention Floor, NCME—Ballroom

Presenter/Author Sue Lottridge

Session Issues and Advances in Automated Scoring of Constructed-Response Items

The Impact of Automated Scoring of Essay Writing on Reporting Scores

Fairmont Royal York Hotel, Convention Floor, NCME—Ballroom

Presenters/Authors Youngmi Cho, Sue Lottridge, Ahmet Turhan

Session Issues and Advances in Automated Scoring of Constructed-Response Items

Sunday, April 7
3:40 pm – 5:10 pm

Handling Methodological Complexities in Effect Size Calculation and Meta-Analysis of Single-Case Experimental Design Data

Metro Toronto Convention Centre, 800 Level, Room 801A

Discussant Joshua Polanin

The Effects of Web-Based Text Structure Instruction on Chinese English Learners' Higher Order Reading Comprehension Skills

Sheraton Centre Toronto Hotel, Mezzanine, Pine West

Presenter/Author Shuqiong Lin

Session EFLs and English Learners: Innovations for Teaching and Learning

Sunday, April 7
5:05 pm – 6:35 pm

Item Profiling: A Case Study of NAEP Grade 4 Mathematics Process Data

Fairmont Royal York Hotel, Main Floor, NCME—Imperial Room

Presenters/Authors Ruhan Circi, Juanita Hicks, Soo Youn Lee

Session Electronic Board Session 3

Understanding Response Processes in Noncognitive Measures With Explanatory Item Response Modeling

Fairmont Royal York Hotel, Mezzanine, NCME—Territories

Presenter/Author Ming Lei

Session Technical Considerations in Measuring Social and Emotional Learning

Sunday, April 7
5:05 pm – 6:35 pm

Using the ACT and SAT for Accountability Under the Every Student Succeeds Act: Appropriate or Inappropriate Use
Fairmont Royal York Hotel, Convention Floor, NCME—Salon B
Moderator Sean P. “Jack” Buckley

Monday, April 8

Monday, April 8
8:00 am – 9:30 am

Accountability Reforms and the Pressure on Administrative Services in School Systems

Metro Toronto Convention Centre, 800 Level, Hall F

Presenter/Author Drew Atchison

Session MTCC Roundtable: Restructuring and Reforming Educational Organizations

Local Availability of Childcare and Family Choices by Immigration Status: A Conditional Logit Model Analysis

Metro Toronto Convention Centre, 800 Level, Hall F

Presenter/Author Qi Xing

Session Analyzing and Critiquing Inter- and Intra-Immigration Policy Issues

Using Statewide Data to Improve Teacher Education Through a Research-Policy Partnership

Metro Toronto Convention Centre, 200 Level, Room 202C

Chair Dan Goldhaber

Monday, April 8
8:00 am – 10:00 am

Best Practices for Automated Scoring at AIR

Fairmont Royal York Hotel, NCME—Salon A

Presenter/Author Sue Lottridge

Session Best Practices Around Automated Scoring Standards

Design of the Cognitive Lab Study of NAEP Science SBTs

Fairmont Royal York Hotel, Mezzanine, NCME—Algonquin

Presenter/Author Ting Zhang

Session Optimizing Digital Affordances in NAEP Assessment Tasks: Findings From Two Research Studies

Development of a Comprehensive Research Agenda to Examine the Impact of Digital Affordances in Assessment

Fairmont Royal York Hotel, Mezzanine, NCME—Algonquin

Presenter/Author Fran Stancavage

Session Optimizing Digital Affordances in NAEP Assessment Tasks: Findings From Two Research Studies

Monday, April 8
8:00 am – 10:00 am

Findings From the Cognitive Lab Study of NAEP Science SBTs

Fairmont Royal York Hotel, Mezzanine, NCME—Algonquin

Presenter/Author Ting Zhang

Session Optimizing Digital Affordances in NAEP Assessment Tasks:
Findings From Two Research Studies

**Optimizing Digital Affordances in NAEP Assessment Tasks:
Findings From Two Research Studies**

Fairmont Royal York Hotel, Mezzanine, NCME—Algonquin

Chair Fran Stancavage

Monday, April 8
10:25 am – 11:55 am

**Comparing Mantel-Haenszel and Wald Differential Item
Functioning Detection Methods Under Matrix Sampling of Items**

Fairmont Royal York Hotel, Convention Floor, NCME—Salon B

Presenters/Authors Young Yee Kim, Xiaying Zheng

Session New Insights in Differential Item Functioning Analyses

**Does the Concentration of National Board Certified Teachers
Matter to Teacher Retention and Student Achievement?**

Fairmont Royal York Hotel, Mezzanine, Confederation 3

Presenters/Authors Trisha Borman, Natalya Gnedko-Berry, Feng Liu,
David Manzeske, So Jung Park

Session Teacher Retention, Resiliency, Self-Efficacy, and
Effectiveness

**Higher Education Articulation Agreements Covering the Early
Care and Education Workforce**

Metro Toronto Convention Centre, 800 Level, Hall F

Presenters/Authors Andrea Boyle, Aleksandra Holod, Jennell McHugh

Session MTCC Roundtable: The Costs of Standards and
Accountability: Changing Landscapes and Global Contexts

Monday, April 8
12:20 pm – 1:50 pm

**Effects of the Extended Time Accommodation on Performance
in NAEP Mathematics**

Fairmont Royal York Hotel, Mezzanine, NCME—British Columbia

Presenters/Authors Ruhan Circi, Young Yee Kim

Session Testing Strategies, Extended Time Accommodation, and
Speededness Using Process Data in NAEP

**Exploring Examinees' Timing Behaviors and Performance
in a Digitally Based Mathematics Assessment**

Fairmont Royal York Hotel, Mezzanine, NCME—British Columbia

Presenter/Author Fusun Sahin

Session Testing Strategies, Extended Time Accommodation, and
Speededness Using Process Data in NAEP

Monday, April 8
12:20 pm – 1:50 pm

Identifying Rapid-Guesser Using Growth Mixture Models

Fairmont Royal York Hotel, Mezzanine, NCME—British Columbia

Presenter/Author Xiaying Zheng

Session Testing Strategies, Extended Time Accommodation, and Speededness Using Process Data in NAEP

Innovative Applications of Machine Learning Techniques

Fairmont Royal York Hotel, NCME—Salon A

Discussant Sue Lottridge

Testing Strategies, Extended Time Accommodation, and Speededness Using Process Data in NAEP

Fairmont Royal York Hotel, Mezzanine, NCME—British Columbia

Chair Fusun Sahin

Monday, April 8
2:15 pm – 3:45 pm

Can a Multiple-Choice-Items-Only Routing Block Reduce Routing Stage Time in MST?

Fairmont Royal York Hotel, Mezzanine, NCME—Algonquin

Presenter/Author Soo Youn Lee

Session Exploration of Issues With Applying Multistage Testing in NAEP

Comparison of Weighted Average Composite Scoring Approach With Unidimensional Item Response Theory and Multidimensional Item Response Theory Approaches

Fairmont Royal York Hotel, Mezzanine, NCME—Algonquin

Presenters/Authors Young Yee Kim, Xiaying Zheng

Session Exploration of Issues With Applying Multistage Testing in NAEP

Estimating Students' Topic-Level Abilities Using Extended Higher Order Item Response Theory Models

Fairmont Royal York Hotel, Mezzanine, NCME—British Columbia

Presenter/Author Jie Sun

Session Advances in Multidimensional Item Response Theory

Evaluation of MST Compared to Linear Assessment

Fairmont Royal York Hotel, Mezzanine, NCME—Algonquin

Presenters/Authors Juliet Holmes, Soo Youn Lee, Young Yee Kim

Session Exploration of Issues With Applying Multistage Testing in NAEP

Exploration of Issues With Applying Multistage Testing in NAEP

Fairmont Royal York Hotel, Mezzanine, NCME—Algonquin

Chair Xiaying Zheng

Monday, April 8
4:10 pm – 6:10 pm

Digital Familiarity and Warm-Up Effects in NAEP 2017 Mathematics

Fairmont Royal York Hotel, Mezzanine, NCME—British Columbia

Presenters/Authors Markus Broer, Ruhan Circi, Young Yee Kim

Session Important Test Administration and Scoring Considerations

Using Standard-Setting Methods for Length and Original Text Thresholds in Essays

Fairmont Royal York Hotel, Mezzanine, NCME—Alberta

Presenters/Authors Julie Benson, Jon Cohen, Sue Lottridge, Ahmet Turhan

Session Challenges, Issues, and Opportunities in Interrater Reliability

Monday, April 8
6:35 pm – 8:35 pm

Reflecting on Research and Promise of School Turnaround and Reform

Metro Toronto Convention Centre, 700 Level, Room 705

Presenter/Author Kerstin Carlson Le Floch

Session STaR Distinguished Speaker Talk and Business Meeting:
Reflecting on Research and Promise of School Turnaround
and Reform

**STaR Distinguished Speaker Talk and Business Meeting:
Reflecting on Research and Promise of School Turnaround
and Reform**

Metro Toronto Convention Centre, 700 Level, Room 705

Speaker Kerstin Carlson Le Floch

Tuesday, April 9

Tuesday, April 9
8:00 am – 9:30 am

Do Nondegree Work Credentials Pay Off?

Metro Toronto Convention Centre, 300 Level, Hall C

Presenters/Authors Ke Wang, Xiaolei Wang

Session Advanced Studies of National Databases Poster Session

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

Metro Toronto Convention Centre, 200 Level, Room 203A

Presenters/Authors Michael Garet, Mengli Song, Rui Yang

Session Intended Curriculum, Enacted Curriculum, and Student Learning

Tuesday, April 9
10:25 am – 11:55 am

**A Systematic Review and Meta-Analysis on the Relationship
Between School Violence and Later School Performance**
Metro Toronto Convention Centre, 700 Level, Room 717A

Presenters/Authors Joshua Polanin

Session Preventing Violence and Supporting Students

**Relationships Among Behavioral Profiles, Reading Performance,
and Disability Labels: A Latent Class Analysis**
Metro Toronto Convention Centre, 800 Level, Hall G

Presenter/Author Zachary Weingarten

Session Context Matters: Identification and Instruction
in Special Education

Tuesday, April 9
12:20 pm – 1:50 pm

**Explaining Pre-K Fade-Out? Content Coverage Redundancy
in Pre-K and Kindergarten**

Metro Toronto Convention Centre, 200 Level, Room 201D

Presenter/Author Michael Little

Session Early Childhood Education and the Transition to
Kindergarten

Index of Presentations by Topic

Adult Literacy and Adult Education

- Saturday, April 6
2:15 pm – 3:45 pm
- Transitions Into the Labor Force: Examining U.S. Young Adults by Student and Employment Status**
Sheraton Centre Toronto Hotel, Mezzanine Level, Cedar
Presenter/Author Emily Pawlowski
Session What Skills Are Key to Labor Force Success? Results From PIAAC
- Saturday, April 6
2:15 pm – 3:45 pm
- What Skills Are Key to Labor Force Success? Results From PIAAC**
Sheraton Centre Toronto Hotel, Mezzanine Level, Cedar
Chair Katie Herz
Discussant Jaleh Soroui
- Saturday, April 6
2:15 pm – 3:45 pm
- Who Is Not Digitally Literate in the United States?**
Sheraton Centre Toronto Hotel, Mezzanine Level, Cedar
Presenter/Author Saida Mamedova
Session What Skills Are Key to Labor Force Success? Results From PIAAC

Advanced Studies of National Databases

- Tuesday, April 9
8:00 am – 9:30 am
- Do Nondegree Work Credentials Pay Off?**
Metro Toronto Convention Centre, 300 Level, Hall C
Presenters/Authors Ke Wang, Xiaolei Wang
Session Advanced Studies of National Databases Poster Session

AERA Governance

- Sunday, April 7
8:00 am – 9:30 am
- AERA Government Relations Committee: Closed Meeting**
InterContinental Toronto Centre, Upper Lobby, Caledon
Participant Sean P. “Jack” Buckley

AERA Sessions

- Saturday, April 6
4:10 pm – 6:10 pm
- English Learners in STEM Subjects: Transforming Classrooms, Schools, and Lives—A Report From the National Academies of Science, Engineering, and Medicine**
Metro Toronto Convention Centre, 100 Level, Room 104B
Commentator Diane August

Saturday, April 6
4:10 pm – 6:10 pm

**Registries, Registered Reports, Research Reporting and
Enhancing Education Research Transparency**

Metro Toronto Convention Centre, 100 Level, Room 104C

Participant

Larry Hedges (AIR Institute Fellow)

Administration

School Organization and Effects

Monday, April 8
8:00 am – 9:30 am

**Accountability Reforms and the Pressure on Administrative
Services in School Systems**

Metro Toronto Convention Centre, 800 Level, Hall F

Presenter/Author Drew Atchison

Session

MTCC Roundtable: Restructuring and Reforming
Educational Organizations

Arts and Learning

Sunday, April 7
9:55 am – 11:25 am

Arts and Accessibility: What Influence Does Research Have?

*Sheraton Centre Toronto Hotel, Second Floor, City Hall—
Working Group*

Chair

Meredith Ludwig

Sunday, April 7
9:55 am – 11:25 am

Creating a Dynamic Inventory of Arts Policies and Research

*Sheraton Centre Toronto Hotel, Second Floor, City Hall—
Working Group*

Presenter/Author Andrea Boyle

Session

Arts and Accessibility: What Influence Does Research Have?

Sunday, April 7
9:55 am – 11:25 am

**Implementing Improvement Science as a Problem-Finding
Technique**

*Sheraton Centre Toronto Hotel, Second Floor, City Hall—
Working Group*

Presenter/Author

Meredith Ludwig

Session

Arts and Accessibility: What Influence Does Research Have?

Charters and School Choice

Sunday, April 7
8:00 am – 9:30 am

**A Longitudinal Study of Families' Use of a Public School Choice
Lottery System**

Metro Toronto Convention Centre, 800 Level, Hall G

Presenters/Authors Megan Austin, Kirk Walters, Rui Yang

Session

MTCC Roundtable: Research on School Choice: Choosing
and Recruiting

Counseling and Human Development

Counseling

Tuesday, April 9
10:25 am – 11:55 am

A Systematic Review and Meta-Analysis on the Relationship Between School Violence and Later School Performance

Metro Toronto Convention Centre, 700 Level, Room 717A

Presenters/Authors Joshua Polanin

Session Preventing Violence and Supporting Students

Educational Policies and Politics

Curriculum and Instruction

Tuesday, April 9
8:00 am – 9:30 am

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

Metro Toronto Convention Centre, 200 Level, Room 203A

Presenters/Authors Michael Garett, Mengli Song, Rui Yang

Session Intended Curriculum, Enacted Curriculum, and Student Learning

Tuesday, April 9
12:20 pm – 1:50 pm

Explaining Pre-K Fade-Out? Content Coverage Redundancy in Pre-K and Kindergarten

Metro Toronto Convention Centre, 200 Level, Room 201D

Presenter/Author Michael Little

Session Early Childhood Education and the Transition to Kindergarten

Legal and Judicial Issues for Equity and Access

Monday, April 8
8:00 am – 9:30 am

Local Availability of Childcare and Family Choices by Immigration Status: A Conditional Logit Model Analysis

Metro Toronto Convention Centre, 800 Level, Hall F

Presenter/Author Qi Xing

Session Analyzing and Critiquing Inter- and Intra-Immigration Policy Issues

Policy Implementation and Going to Scale

Monday, April 8
8:00 am – 9:30 am

Using Statewide Data to Improve Teacher Education Through a Research-Policy Partnership

Metro Toronto Convention Centre, 200 Level, Room 202C

Chair Dan Goldhaber

Educational Statisticians

Sunday, April 7
11:50 am – 1:20 pm

Accurate Model Versus Accurate Estimates: A Study of Bayesian Single-Case Experimental Designs

Fairmont Royal York Hotel, Mezzanine Level, New Brunswick

Presenter/Author Larry Hedges (AIR Institute Fellow)

Session Model Contemplations: Identification, Detection, Effects, and Errors

Fiscal Issues, Policy, and Education Finance

Saturday, April 6
8:00 am – 10:00 am

School Spending, Salaries, and Staffing Under Accountability

Metro Toronto Convention Centre, 200 Level, Room 201E

Presenter/Author Drew Atchison

Session Resources Allocation in Pre-K–16 Education

Graduate Student Council

Saturday, April 6
4:10 pm – 5:40 pm

Fireside Chat—Navigating Professional Life After a Ph.D.: Comparing Traditional and Nontraditional Career Pathways

Sheraton Centre Toronto Hotel, Second Floor, Provincial Ballroom North

Participant Bradley Quarles

International Studies

Friday, April 5
4:20 pm – 6:20 pm

Girls' and Boys' Mathematics and Science Performance: A Comparative Analysis Using 20 Years of TIMSS

Metro Toronto Convention Centre, 800 Level, Room 809

Presenter/Author Frank Fonseca

Session STEM Through an International Lens

Saturday, April 6
8:00 am – 9:00 am

Leveraging Education Research in a “Post-Truth” Era: Multimodal Narratives to Democratize Evidence

The Westin Harbour Castle, Harbour Salon A

Chair David C. Miller

Saturday, April 6
8:00 am – 9:30 pm

Who Overclaims? An Analysis of PISA 2012 Data

Metro Toronto Convention Centre, 800 Level, Hall F

Presenters/Authors Yuqi Liao, Bitnara Jasmine Park

Session International Networks for Teaching and Learning

Learning and Instruction

Cognitive and Motivational Processes

Friday, April 5
4:20 pm – 5:50 pm

Facilitating Small-Group Discussions: Effects of Teacher Discourse Moves Across Various Group Compositions
Metro Toronto Convention Centre, 300 Level, Hall C

Presenter/Author Mengyi Li

Session Social and Cognitive Influences on Academic Performance

Literacy

Sunday, April 7
3:40 pm – 5:10 pm

The Effects of Web-Based Text Structure Instruction on Chinese English Learners' Higher Order Reading Comprehension Skills

Sheraton Centre Toronto Hotel, Mezzanine, Pine West

Presenter/Author Shuqiong Lin

Session EFLs and English Learners: Innovations for Teaching and Learning

Mathematics

Saturday, April 6
2:15 pm – 3:45 pm

Access to Accelerated Mathematics Course-Taking in Middle School and Beyond

Sheraton Centre Toronto Hotel, Mezzanine, Chestnut West

Chair Nicholas Sorensen

Discussant Kirk Walters

Saturday, April 6
2:15 pm – 3:45 pm

Does Readiness for Eighth-Grade Algebra Matter? A Quasi-Experimental, Multisite Analysis of Short- and Longer Term Outcomes

Sheraton Centre Toronto Hotel, Mezzanine, Chestnut West

Presenters/Authors Whitney Cade, Ryan Eisner, Jordan Rickles, Nicholas Sorensen, Kirk Walters

Session Access to Accelerated Mathematics Course-Taking in Middle School and Beyond

Saturday, April 6
2:15 pm – 3:45 pm

Mathematics Course-Taking Pathways for Joining STEM in College

Sheraton Centre Toronto Hotel, Mezzanine, Chestnut West

Presenter/Author David I. Miller

Session Access to Accelerated Mathematics Course-Taking in Middle School and Beyond

Saturday, April 6
2:15 pm – 3:45 pm

The Role of Identity-Based Motivation in Teachers' Advanced Math Course Placement Decisions

Sheraton Centre Toronto Hotel, Mezzanine, Chestnut West

Presenters/Authors Ryan Eisner, Nicholas Sorensen, Kirk Walters

Session Access to Accelerated Mathematics Course-Taking in Middle School and Beyond

Longitudinal Studies

Sunday, April 7
11:50 am – 1:20 pm

Evaluating Early Mathematics Achievement Growth of Language-Minority Students and Native English Speakers Using the Early Childhood Longitudinal Study—Kindergarten 2011

Fairmont Royal York Hotel, Mezzanine, Tutor 8

Presenters/Authors Mengyi Li, Bitnara Jasmine Park, Thomas Sun, Yuan Zhang, Xiaying Zheng

Session Longitudinal Studies of STEM Interests, Choices, and Outcomes

Measurement and Research Methodology

Quantitative Methods and Statistical Theory

Sunday, April 7
11:50 am – 1:20 pm

Accounting for Student Attrition in Power Calculations: Benchmarks and Guidance

Metro Toronto Convention Centre, 300 Level, Hall C

Presenter/Author Jordan Rickles

Session Statistical Theory and Quantitative Methodologies

Sunday, April 7
3:40 pm – 5:10 pm

Handling Methodological Complexities in Effect Size Calculation and Meta-Analysis of Single-Case Experimental Design Data

Metro Toronto Convention Centre, 800 Level, Room 801A

Discussant Joshua Polanin

National Assessment of Educational Progress (NAEP) Studies

Saturday, April 6
8:00 am – 10:00 am

An Analysis of Schools That Operate Under National School Lunch Program Community Eligibility Provision

Fairmont Royal York Hotel, Mezzanine, Confederation 6

Presenters/Authors Markus Broer, Chang Shuang Ji

Session Community Eligibility and National School Lunch Program Status: A View From NAEP

Saturday, April 6
8:00 am – 10:00 am

Community Eligibility and National School Lunch Program Status: A View From NAEP

Fairmont Royal York Hotel, Mezzanine, Confederation 6

Chair and Discussant George Bohrnstedt

Saturday, April 6
8:00 am – 10:00 am

National School Lunch Program Eligibility and Its Relationship With NAEP Performance on the National and State Levels

Fairmont Royal York Hotel, Mezzanine, Confederation 6

Presenter/Author Markus Broer

Session Community Eligibility and National School Lunch Program Status: A View From NAEP

Saturday, April 6
2:15 pm – 3:45 pm

Do NAEP Long-Term Trend Mathematics and Program for the International Assessment of Adult Competencies Numeracy Measure a Similar Construct? An Indirect Approach

Fairmont Royal York Hotel, Convention Floor, Concert Hall

Presenters/Authors Markus Broer, Sakiko Ikoma, Thomas Sun, Xiaying Zheng

Session Using NAEP to Understand Student Course-Taking, Digital-Based Assessment Performance, and Assessment Construct Similarities

Saturday, April 6
2:15 pm – 3:45 pm

Examining the Relationship Between STEM Course-Taking in High School and Grade 12 NAEP Mathematics Scores

Fairmont Royal York Hotel, Convention Floor, Concert Hall

Presenters/Authors George Bohrnstedt, Markus Broer, Burhan Ogut, Darrick Yee

Session Using NAEP to Understand Student Course-Taking, Digital-Based Assessment Performance, and Assessment Construct Similarities

Saturday, April 6
2:15 pm – 3:45 pm

New Measures of Digital Technology Access and Familiarity and Their Relationship With NAEP Performance

Fairmont Royal York Hotel, Convention Floor, Concert Hall

Presenters/Authors George Bohrnstedt, Sami Kitmitto, Bitnara Jasmine Park

Session Using NAEP to Understand Student Course-Taking, Digital-Based Assessment Performance, and Assessment Construct Similarities

Saturday, April 6
2:15 pm – 3:45 pm

Understanding Reading Motivation and Reading Achievement Gaps: The Case of NAEP

Fairmont Royal York Hotel, Convention Floor, Concert Hall

Presenters/Authors George Bohrnstedt, Markus Broer, Mengyi Li, Bitnara Jasmine Park, Darrick Yee, Jizhi Zhang

Session Using NAEP to Understand Student Course-Taking, Digital-Based Assessment Performance, and Assessment Construct Similarities

Saturday, April 6
4:10 pm – 6:10 pm

Exploring Perceived Time Pressure and Speededness Using NAEP Process Data

Fairmont Royal York Hotel, Mezzanine, NCME—British Columbia

Presenters/Authors Juanita Hicks, Cheng Shuang Ji, Fusun Sahin

Session The Need for Speed? Practical Assessment Implications

National Council on Measurement in Education (NCME)

Thursday, April 4
8:00 am – 12:00 pm

NAEP Response Process Data

Fairmont Royal York Hotel, NCME—Salon A

Instructors Ruhan Circi, Fusun Sahin, Xiaying Zheng

Session Training Session

Thursday, April 4
9:00 am – 5:00 pm

Analyzing Data From International Large-Scale Assessments Using R

Metro Toronto Convention Centre, 700 Level, Room 711

Instructors Paul Dean Bailey, Ebru Erberber, Ting Zhang

Session Professional Development Course

Thursday, April 4
9:00 am – 5:00 pm

Multilevel Modeling With Large-Scale International Databases Using the HLM Software Program

Metro Toronto Convention Centre, 700 Level, Room 716B

Instructors Martin Hooper, Sakiko Ikoma, Mengyi Li, David C. Miller, Yuan Zhang

Session Professional Development Course

Friday, April 5
8:00 am – 4:00 pm

Advanced Meta-Analysis

Metro Toronto Convention Centre, 700 Level, Room 715B

Instructor Ryan Williams

Session Professional Development Course

Friday, April 5
8:00 am – 5:00 pm

Fitting Multilevel Models to ECLS Data Using R

Metro Toronto Convention Centre, 700 Level, Room 713B

Instructors Paul Dean Bailey, Claire Kelley, Shannon Russell, Ting Zhang

Session Professional Development Course

Saturday, April 6
8:00 am – 10:00 am

Defining Crisis Papers: From Qualitative Methods to Neural Networks

Fairmont Royal York Hotel, Mezzanine, NCME—Territories

Presenters/Authors Sue Lottridge, Christopher Ormerod, Sherri Woolf

Session Pioneering Work in AIG

Saturday, April 6
8:00 am – 10:00 am

Handling Local Item Dependency of Testlets in Multistage Testing

Fairmont Royal York Hotel, Convention Floor, NCME—Salon B

Presenter/Author Ah-Young Shin

Session Emerging Research in Multistage Testing

Saturday, April 6
8:00 am – 12:00 pm

Using Data from the High School Longitudinal Study of 2009

Metro Toronto Convention Centre, 600 Level, Room 602B

Instructors Cameron McPhee, Jeremy Redford

Session Professional Development Course

Saturday, April 6
10:25 am – 11:55 am

Advancing the Measurement Field With Data Science

Fairmont Royal York Hotel, Mezzanine, NCME—Algonquin

Panelist Sue Lottridge

Saturday, April 6
10:25 am – 11:55 am

Evaluating the Effects of Extended Time Accommodation on Writing Performance in NAEP 2011

Fairmont Royal York Hotel, Main Floor, NCME—Imperial Room

Presenters/Authors Young Yee Kim, Xiaying Zheng

Session Electronic Board Session 1

Saturday, April 6
10:25 am – 11:55 am

Multigroup Cognitive Diagnostic Joint Modeling of Responses and Response Time

Fairmont Royal York Hotel, Main Floor, NCME—Imperial Room

Presenter/Author Dandan Liao

Session Electronic Board Session 1

Saturday, April 6
12:50 pm – 1:50 pm

Comparing Multiple Disability Groups in Alternate Assessments Using Differential Item Functioning

Fairmont Royal York Hotel, Main Floor, NCME—Imperial Room

Presenter/Author Fusun Sahin

Session GSIC Graduate Student Poster Session 1

Saturday, April 6
2:15 pm – 3:45 pm

Construction of an Item Response Theory-Based Socioeconomic Status Index for NAEP 2003–2017

Fairmont Royal York Hotel, Main Floor, NCME—Imperial Room

Presenters/Authors Yifan Bai, Markus Broer

Session Electronic Board Session 2

Saturday, April 6
2:15 pm – 3:45 pm

Mapping Background Variables with Sequential Patterns in Problem-Solving Tasks

Fairmont Royal York Hotel, Convention Floor, NCME—Ballroom

Presenter/Author Dandan Liao

Session Advanced Psychometrics for Process Data Analysis in Large-Scale Assessments

Saturday, April 6
2:15 pm – 3:45 pm

Practical Implications of Two Combined Subtests in Subscore Reporting in Multidimensional Item Response Theory

Fairmont Royal York Hotel, Main Floor, NCME—Imperial Room

Presenter/Author Yoon-Jeong Kang

Session Electronic Board Session 2

Saturday, April 6
4:10 pm – 6:10 pm

Automated Scoring Validity Research for a National Large-Scale Writing Assessment

Fairmont Royal York Hotel, Convention Floor, NCME—Ballroom

Discussant Sue Lottridge

Sunday, April 7
10:20 am – 11:50 am

Applying CUSUM-Based Person Fit Statistics to Detect Speededness

Fairmont Royal York Hotel, Mezzanine, NCME—Alberta

Presenter/Author Xiaying Zheng

Session Evaluating Test Speededness in NAEP Digitally Based Assessments

Sunday, April 7
10:20 am – 11:50 am

Comparison of Results From Three Methods and Discussion

Fairmont Royal York Hotel, Mezzanine, NCME—Alberta

Presenter/Author Xiaying Zheng

Session Evaluating Test Speededness in NAEP Digitally Based Assessments

Sunday, April 7
10:20 am – 11:50 am

Conceptual Framework and Overview of Speededness in NAEP

Fairmont Royal York Hotel, Mezzanine, NCME—Alberta

Presenter/Author Young Yee Kim

Session Evaluating Test Speededness in NAEP Digitally Based Assessments

Sunday, April 7
10:20 am – 11:50 am

Detecting Speededness Using Change Point Analysis on Response Data

Fairmont Royal York Hotel, Mezzanine, NCME—Alberta

Presenter/Author Xiaying Zheng

Session Evaluating Test Speededness in NAEP Digitally Based Assessments

Sunday, April 7
10:20 am – 11:50 am

Detecting Speededness Using Change Point Analysis on Response Time

Fairmont Royal York Hotel, Mezzanine, NCME—Alberta

Presenter/Author Xiaying Zheng

Session Evaluating Test Speededness in NAEP Digitally Based Assessments

Sunday, April 7
10:20 am – 11:50 am

Evaluating Test Speededness in NAEP Digitally Based Assessments

Fairmont Royal York Hotel, Mezzanine, NCME—Alberta

Chair Fusun Sahin

Sunday, April 7
12:10 pm – 1:40 pm

Measurement and Policies Surrounding Accountability Testing

Fairmont Royal York Hotel, Convention Floor, NCME—Salon B

Discussant Fran Stancavage

Sunday, April 7
12:10 pm – 1:40 pm

Using the Discontinuation Rule to Reduce the Effect of Random Guessing

Fairmont Royal York Hotel, Mezzanine, NCME—Territories

Presenter/Author Youngmi Cho

Session New Directions in Item Response Theory

Sunday, April 7
3:20 pm – 4:50 pm

Communicating to the Public About Machine Scoring: What Works, What Doesn't

Fairmont Royal York Hotel, Convention Floor, NCME—Ballroom

Presenter/Author Sue Lottridge

Session Issues and Advances in Automated Scoring of Constructed-Response Items

Sunday, April 7
3:20 pm – 4:50 pm

Does Digital Familiarity Affect Performance in NAEP's 2012 Digitally Based Writing Assessment?

Fairmont Royal York Hotel, Mezzanine, NCME—British Columbia

Presenters/Authors Young Yee Kim, Xiaying Zheng

Session Score Comparability: Matters of Mode

Sunday, April 7
3:20 pm – 4:50 pm

Human Rating Errors and the Training of Automated Raters

Fairmont Royal York Hotel, Convention Floor, NCME—Ballroom

Presenter/Author Sue Lottridge

Session Issues and Advances in Automated Scoring of Constructed-Response Items

Sunday, April 7
3:20 pm – 4:50 pm

The Impact of Automated Scoring of Essay Writing on Reporting Scores

Fairmont Royal York Hotel, Convention Floor, NCME—Ballroom

Presenters/Authors Youngmi Cho, Sue Lottridge, Ahmet Turhan

Session Issues and Advances in Automated Scoring of Constructed-Response Items

Sunday, April 7
5:05 pm – 6:35 pm

Item Profiling: A Case Study of NAEP Grade 4 Mathematics Process Data

Fairmont Royal York Hotel, Main Floor, NCME—Imperial Room

Presenters/Authors Ruhan Circi, Juanita Hicks, Soo Youn Lee

Session Electronic Board Session 3

Sunday, April 7
5:05 pm – 6:35 pm

**Understanding Response Processes in Noncognitive Measures
With Explanatory Item Response Modeling**

Fairmont Royal York Hotel, Mezzanine, NCME—Territories

Presenter/Author Ming Lei

Session Technical Considerations in Measuring Social and Emotional Learning

Sunday, April 7
5:05 pm – 6:35 pm

**Using the ACT and SAT for Accountability Under the Every
Student Succeeds Act: Appropriate or Inappropriate Use**

Fairmont Royal York Hotel, Convention Floor, NCME—Salon B

Moderator Sean P. “Jack” Buckley

Monday, April 8
8:00 am – 10:00 am

Best Practices for Automated Scoring at AIR

Fairmont Royal York Hotel, NCME—Salon A

Presenter/Author Sue Lottridge

Session Best Practices Around Automated Scoring Standards

Monday, April 8
8:00 am – 10:00 am

Design of the Cognitive Lab Study of NAEP Science SBTs

Fairmont Royal York Hotel, Mezzanine, NCME—Algonquin

Presenter/Author Ting Zhang

Session Optimizing Digital Affordances in NAEP Assessment Tasks:
Findings From Two Research Studies

Monday, April 8
8:00 am – 10:00 am

**Development of a Comprehensive Research Agenda to Examine
the Impact of Digital Affordances in Assessment**

Fairmont Royal York Hotel, Mezzanine, NCME—Algonquin

Presenter/Author Fran Stancavage

Session Optimizing Digital Affordances in NAEP Assessment Tasks:
Findings From Two Research Studies

Monday, April 8
8:00 am – 10:00 am

Findings From the Cognitive Lab Study of NAEP Science SBTs

Fairmont Royal York Hotel, Mezzanine, NCME—Algonquin

Presenter/Author Ting Zhang

Session Optimizing Digital Affordances in NAEP Assessment Tasks:
Findings From Two Research Studies

Sunday, April 8
8:00 am – 10:00 am

**Optimizing Digital Affordances in NAEP Assessment Tasks:
Findings From Two Research Studies**

Fairmont Royal York Hotel, Mezzanine, NCME—Algonquin

Chair Fran Stancavage

Monday, April 8
10:25 am – 11:55 am

Comparing Mantel-Haenszel and Wald Differential Item Functioning Detection Methods Under Matrix Sampling of Items

Fairmont Royal York Hotel, Convention Floor, NCME—Salon B

Presenters/Authors Young Yee Kim, Xiaying Zheng

Session New Insights in Differential Item Functioning Analyses

Monday, April 8
12:20 pm – 1:50 pm

Effects of the Extended Time Accommodation on Performance in NAEP Mathematics

Fairmont Royal York Hotel, Mezzanine, NCME—British Columbia

Presenters/Authors Ruhan Circi, Young Yee Kim

Session Testing Strategies, Extended Time Accommodation, and Speededness Using Process Data in NAEP

Monday, April 8
12:20 pm – 1:50 pm

Exploring Examinees' Timing Behaviors and Performance in a Digitally Based Mathematics Assessment

Fairmont Royal York Hotel, Mezzanine, NCME—British Columbia

Presenter/Author Fusun Sahin

Session Testing Strategies, Extended Time Accommodation, and Speededness Using Process Data in NAEP

Monday, April 8
12:20 pm – 1:50 pm

Identifying Rapid-Guesser Using Growth Mixture Models

Fairmont Royal York Hotel, Mezzanine, NCME—British Columbia

Presenter/Author Xiaying Zheng

Session Testing Strategies, Extended Time Accommodation, and Speededness Using Process Data in NAEP

Monday, April 8
12:20 pm – 1:50 pm

Innovative Applications of Machine Learning Techniques

Fairmont Royal York Hotel, NCME—Salon A

Discussant Sue Lottridge

Monday, April 8
12:20 pm – 1:50 pm

Testing Strategies, Extended Time Accommodation, and Speededness Using Process Data in NAEP

Fairmont Royal York Hotel, Mezzanine, NCME—British Columbia

Chair Fusun Sahin

Monday, April 8
2:15 pm – 3:45 pm

Can a Multiple-Choice-Items-Only Routing Block Reduce Routing Stage Time in MST?

Fairmont Royal York Hotel, Mezzanine, NCME—Algonquin

Presenter/Author Soo Youn Lee

Session Exploration of Issues With Applying Multistage Testing in NAEP

Monday, April 8
2:15 pm – 3:45 pm

Comparison of Weighted Average Composite Scoring Approach With Unidimensional Item Response Theory and Multidimensional Item Response Theory Approaches

Fairmont Royal York Hotel, Mezzanine, NCME—Algonquin

Presenters/Authors Young Yee Kim, Xiaying Zheng

Session Exploration of Issues With Applying Multistage Testing in NAEP

Monday, April 8
2:15 pm – 3:45 pm

Estimating Students' Topic-Level Abilities Using Extended Higher Order Item Response Theory Models

Fairmont Royal York Hotel, Mezzanine, NCME—British Columbia

Presenter/Author Jie Sun

Session Advances in Multidimensional Item Response Theory

Monday, April 8
2:15 pm – 3:45 pm

Evaluation of MST Compared to Linear Assessment

Fairmont Royal York Hotel, Mezzanine, NCME—Algonquin

Presenters/Authors Juliet Holmes, Soo Youn Lee, Young Yee Kim

Session Exploration of Issues With Applying Multistage Testing in NAEP

Monday, April 8
2:15 pm – 3:45 pm

Exploration of Issues With Applying Multistage Testing in NAEP

Fairmont Royal York Hotel, Mezzanine, NCME—Algonquin

Chair Xiaying Zheng

Monday, April 8
4:10 pm – 6:10 pm

Digital Familiarity and Warm-Up Effects in NAEP 2017 Mathematics

Fairmont Royal York Hotel, Mezzanine, NCME—British Columbia

Presenters/Authors Markus Broer, Ruhan Circi, Young Yee Kim

Session Important Test Administration and Scoring Considerations

Monday, April 8
4:10 pm – 6:10 pm

Using Standard-Setting Methods for Length and Original Text Thresholds in Essays

Fairmont Royal York Hotel, Mezzanine, NCME—Alberta

Presenters/Authors Julie Benson, Jon Cohen, Sue Lottridge, Ahmet Turhan

Session Challenges, Issues, and Opportunities in Interrater Reliability

Out-of-School Time

Sunday, April 7
11:50 am – 1:20 pm

Exploring the Relationship Between Quality Practice and Youth Leadership Outcomes in New York City

Sheraton Centre Toronto Hotel, Second Floor, Kenora

Presenter/Author Jessy Zadrazil Newman

Session Digging Deeper: Using Mixed-Methods Research to Assess Promising Practices in Out-of-School Time

Postsecondary Education

College Student Access

Saturday, April 6
2:15 pm – 3:45 pm

Positive Impact of Early College High Schools: Exploring the Mediating Role of High School Experience

Sheraton Centre Toronto Hotel, Second Floor, Kenora

Presenters/Authors Mengli Song, Kristina Zeisser

Session Investigating the Outcomes of Dual Enrollment Programs

Research, Evaluation, and Assessment in Schools

Applied Research in Schools

Saturday, April 6
4:10 pm – 6:10 pm

Regional Educational Laboratory Midwest Support for Minnesota Department of Education's Teacher Supply and Demand Study

Fairmont Royal York Hotel, Mezzanine, Tutor 7

Presenters/Authors Steve Dibb, James Lindsay, Yinmei Wan

Session Conducting Studies of Teacher Mobility and Retention in Partnership With State and Local Education Agencies

Saturday, April 6
4:10 pm – 6:10 pm

Regional Educational Laboratory Southwest Study of Teacher Mobility in Texas Schools

Fairmont Royal York Hotel, Mezzanine, Tutor 7

Presenters/Authors Elizabeth Barkowski, Shannon Lasserre-Cortez, James Lindsay

Session Conducting Studies of Teacher Mobility and Retention in Partnership With State and Local Education Agencies

Monday, April 8
10:25 am – 11:55 am

Does the Concentration of National Board Certified Teachers Matter to Teacher Retention and Student Achievement?

Fairmont Royal York Hotel, Mezzanine, Confederation 3

Presenters/Authors Trisha Borman, Natalya Gnedko-Berry, Feng Liu, David Manzeske, So Jung Park

Session Teacher Retention, Resiliency, Self-Efficacy, and Effectiveness

Research on Giftedness, Creativity, and Talent

Friday, April 5
12:00 pm – 2:00 pm

Assessing Creativity: Exploring the Relationships Among Self-Assessment, Teacher Ratings, and Divergent Thinking Tests

Metro Toronto Convention Centre, 200 Level, Room 201D

Presenter/Author Rui Yang

Session Advancing Creativity for Talent Development

School Community, Climate, and Culture

Friday, April 5
12:00 pm – 1:30 pm

International Perspectives on School Climate and Student and Teacher Engagement

Metro Toronto Convention Centre, 200 Level, Room 203B

Discussant David Osher

Friday, April 5
12:00 pm – 1:30 pm

Teachers' Perceptions of School Climate and Teacher Job Satisfaction: A Multilevel Analysis

Metro Toronto Convention Centre, 200 Level, Room 203B

Presenter/Author Yuting Li

Session International Perspectives on School Climate and Student and Teacher Engagement

Sunday, April 7
11:50 am – 1:20 pm

The Challenges and Possibilities of Market-Based Reforms on Teacher Education in England and the United States

Metro Toronto Convention Centre, 800 Level, Hall G

Chair Yuting Li

School Turnaround and Reform

Monday, April 8
6:35 pm – 8:35 pm

Reflecting on Research and Promise of School Turnaround and Reform

Metro Toronto Convention Centre, 700 Level, Room 705

Presenter/Author Kerstin Carlson Le Floch

Session STaR Distinguished Speaker Talk and Business Meeting:
Reflecting on Research and Promise of School Turnaround and Reform

Monday, April 8
6:35 pm – 8:35 pm

STaR Distinguished Speaker Talk and Business Meeting: Reflecting on Research and Promise of School Turnaround and Reform

Metro Toronto Convention Centre, 700 Level, Room 705

Speaker Kerstin Carlson Le Floch

Second Language Research

Saturday, April 6
12:20 pm – 1:50 pm

Technology to Support English Learners in Community Colleges
Metro Toronto Convention Centre, 700 Level, Room 709

Presenter/Author Rebecca Bergey, Ann-Marie Faria, Alex Lishinski,
Ashley Simpson Baird

Session English Language Learners in Community Colleges:
Challenges and Opportunities

Special Education Research

Tuesday, April 9
10:25 am – 11:55 am

**Relationships Among Behavioral Profiles, Reading
Performance, and Disability Labels: A Latent Class Analysis**
Metro Toronto Convention Centre, 800 Level, Hall G

Presenter/Author Zachary Weingarten

Session Context Matters: Identification and Instruction in
Special Education

Systematic Review and Meta-Analysis

Saturday, April 6
10:25 am – 11:55 am

**Locating Unreported Outcome Data for Use in a Meta-Analysis:
Results From a Synthesis of Intervention Studies Reducing
Cyberbullying**
Metro Toronto Convention Centre, 800 Level, Hall G

Presenter/Author Joshua Polanin

Session Meta-Analysis in Education: Innovative Methods
and Applications

Teaching and Teacher Education

Teacher Education Innovation and Policy

Monday, April 8
10:25 am – 11:55 am

**Higher Education Articulation Agreements Covering the Early
Care and Education Workforce**
Metro Toronto Convention Centre, 800 Level, Hall F

Presenters/Authors Andrea Boyle, Aleksandra Holod, Jennell McHugh

Session MTCC Roundtable: The Costs of Standards and Accountability:
Changing Landscapes and Global Contexts

Test Validity Research and Evaluation

Friday, April 5
4:20 pm – 6:20 pm

**Evaluating the Performance of Automated Essay Scoring
in AzMERIT Assessments**

Fairmont Royal York Hotel, Mezzanine, Confederation 3

Presenters/Authors Stephan Ahadi, Myong Hee Im, Yuan Hong

Session Special Topics in Test Validity Research: Artificial
Intelligence in Test Construction and Scoring

Vocabulary

Sunday, April 7
8:00 am – 9:30 am

**English Learners' Acquisition of Academic Vocabulary:
Instruction Matters, but So Do Word Characteristics**

*Sheraton Centre Toronto Hotel, Second Floor, Provincial
Ballroom North*

Presenters/Authors Lauren Artzi, Diane August

Session Learning Vocabulary in a Second Language: Exploring
Challenges and Opportunities Across Levels of
Development and Proficiency

World Education Research Association

Saturday, April 6
12:20 pm – 1:50 pm

**What Is Changing in the Classroom Internationally?: Measuring
innovation for Improvement**

Metro Toronto Convention Centre, 200 Level, Room 205D

Participant Sean P. "Jack" Buckley

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