Society for Research on Educational Effectiveness

SPRING 2018 CONFERENCE

The Evidence Behind Evidence Use: When Does Education Research Inform Practice?

PROGRAM
SREE Membership

The Society for Research on Educational Effectiveness brings together individuals interested in the use of causal inference to improve educational practice. SREE provides a forum to engage with a community of researchers, practitioners, policymakers, and students united in a desire to advance education research. SREE membership is for the calendar year.

Member - $150 per calendar year
Individual members in SREE have backgrounds in a diverse range of areas, including, but not limited to, education, economics, medicine, psychology, public policy, sociology, and statistics. They include researchers investigating causal relations in education, professionals active in school settings, and public officials and others instrumental in translating research into practice.

Student Member - $100 per calendar year
Student members must be enrolled in a degree-granting program at an accredited institution. The Graduate Student Organization exists to provide an organizational venue where students may begin the career-long process of establishing networks which foster their intellectual growth and maximize the utility of their research.

Institutional Members - $2000 per calendar year
Educational institutions, government agencies, nonprofit organizations, and for-profit organizations are encouraged to join SREE and designate an individual to represent their interests in the Society. Institutional members are acknowledged on the SREE website and in conference programs. Institutional members also receive discounts on conference exhibit space.

How to Join SREE or Renew Membership

By credit card:
All major credit cards are accepted at the conference registration desk
or via SREE’s secure site:
www.sree.org/members/payment/

By check:
Checks made out to SREE are accepted at the conference registration desk
or may be mailed to:
Society for Research on Educational Effectiveness
1000 Thomas Jefferson St. NW
Washington, DC 20007

12:00 PM - 3:00 PM: Professional Development Workshops
Workshops require an additional fee.

Workshop A
Stan: A Flexible Open-Source Platform for Bayesian Analysis
Andrew Gelman, Columbia University
Drawing Room 1 - Park Hyatt Hotel, Ballroom Level

Workshop B
The Stanford Education Data Archive: Using Big Data to Study Academic Performance
Sean F. Reardon, Stanford University
Andrew D. Ho, Harvard University
Benjamin R. Shear, University of Colorado - Boulder
Erin M. Fahle, Stanford University
Sulgrave - Fairmont Hotel, Floor 3

Workshop C
Practical Measurement in Improvement Science
Sola Takahashi, WestEd
Jonathan Dolle, WestEd
Dumbarton - Fairmont Hotel, Floor 3

Workshop D
New Matching Methods for Causal Inference
Jose R. Zubizarreta, Harvard University
Drawing Room 2 - Park Hyatt Hotel, Ballroom Level
3:30 PM - 5:30 PM: Session 1

1A. Symposium
Early Childhood Education
Early Learning Network Year 1 Results:
Preschool Educational Practices and Child Outcomes
Salon 2 - Park Hyatt Hotel, Ballroom Level

Organizer: Susan Sheridan, University of Nebraska - Lincoln

Pre-Kindergarten Classroom Characteristics and Pre-Kindergarten Gains of Children Living in Rural Areas
Irina Mokrova*, Margaret Burchinal, Mary Bratsch-Hines, & Ellen Peisner-Feinberg, University of North Carolina - Chapel Hill

How Does Quality of Curricular Implementation Support Diverse Children’s Skills in Prekindergarten?: Evidence from Boston
Meghan P. McCormick* & Michelle Maier, MDRC, Christina Weiland, University of Michigan, JoAnn Hsueh, MDRC, Jason Sachs, Boston Public Schools, and Catherine Snow, Harvard University

Understanding the Effects of Classroom Processes on Child Outcomes in Pre-Kindergarten
Robert Pianta*, Virginia Vitiello, Jessica Whittaker, & Erik Ruzek, University of Virginia

Classroom Quality and Classroom Network Structure Predicting Student Outcomes
Jessica Logan*, Kelly Purcell, Tzu-Jung Lin, & Laura Justice, Ohio State University

Discussant: Carol Connor, University of California - Irvine

1B. Symposium
Innovations in Teacher Preparation & Education
The Effects of Digital Curriculum in the Classroom:
Rigorous Evidence from Three Digital Math Programs
Drawing Room 1 - Park Hyatt Hotel, Ballroom Level

Organizer: Jordan Rickles, American Institutes for Research

Efficacy of an Integrated Core Digital Curriculum for Elementary School Mathematics
Mingyu Feng*, Corinne Singleton, & Nicole Shechtman, SRI International, and Jeremy Roschelle, Digital Promise

Extra Support for At-Risk Ninth Graders:
An Efficacy Study of a Double Dose Algebra I Digital Curriculum
Kirk Walters*, Rachel Garrett, Dionisio Garcia-Piriz, Rui Yang, Jen Ford, & Melissa Yisak, American Institutes for Research

The Effect of TenMarks Math on Student Achievement
Jordan Rickles*, Kirk Walters, Ryan Williams, John Meakin, & Dong Hoon Lee, American Institutes for Research

Discussant: Corinne Herlihy, Harvard University

1C. Panel
Research ↔ Practice in Local Educational Agencies
Learning Together: Building Evidence to Close the Opportunity Divide for Low-Income Youth
Gallery 3 - Park Hyatt Hotel, Ballroom Level

Moderator: Rebecca Maynard, University of Pennsylvania

David Fein, Abt Associates
Rebecca Baalen, University of Pennsylvania
Garrett Warfield, Year Up
1D. Symposium
Research ↔ Practice: University-Based Collaborations
Informing Practice through Research: Lessons from Four Research-Practice Partnerships
Dumbarton - Fairmont Hotel, Floor 3

Organizer: Rachel Cole, Research Alliance for New York City Schools

Getting Started: Specifying the Theory of Action and Fidelity of Implementation Measures to Guide Program Improvement
Cheri Fancsali, Research Alliance for New York City Schools

Coaching Logs: A Tool for Informing, Grounding, and Reflecting on Pilot Year Implementation
Rachel Cole*, Research Alliance for New York City Schools, Lauren B. Goldenberg, David Braslow, & Andrew Fletcher, New York City Department of Education

Putting Research to Use: Identifying Positive Deviants for a Network Improvement Community
Lisa Merrill, Research Alliance for New York City Schools

Discussant: Kylie Klein, Consortium on Chicago School Research

1E. Paper Session
Research ↔ Practice at the National Level
New Systematic Reviews in Education
Gallery 1 - Park Hyatt Hotel, Ballroom Level

Chair: Christine Ross, Mathematica Policy Research

Effective Programs for Struggling Readers: A Best-Evidence Synthesis
Amanda Inns* & Cynthia Lake, Johns Hopkins University, Marta Pellegrini, University of Florence, and Robert Slavin, Johns Hopkins University

How Can a Systematic Review of Interventions to Improve Pregnant and Parenting Adolescents’ Educational Outcomes Influence Policy?
Jessica Harding*, Jean Knab, Kevin Kelly, Diana McCallum, & Dara Lee Luca, Mathematica Policy Research

Collaborative Solutions for Reaching the Whole Child: The State of the Research on Integrated Student Supports
Kris Moore, Hannah Lantos, Rebecca Jones*, Ann Schindler, Jon Belford, & Vanessa Sacks, Child Trends
1G. Symposium
Educational Effectiveness in Global Contexts & Early Childhood Education
How NGO’s in Conflict-Affected Countries Develop and Use Evidence on the Efficacy of Social-Emotional Learning Interventions
Salon 4 - Park Hyatt Hotel, Ballroom Level
Organizer: Stephanie M. Jones, Harvard University

The Evolution of a Model to Improve Children's Learning and Social-Emotional Skills in Crisis Contexts
Jennifer Sklar* & Jamie Weiss-Yagoda, International Rescue Committee

Assessing the Quality of Implementation of Non-Formal Education Programming for Syrian Refugee Children in Lebanon: Lessons from a Research-Practice Partnership
Carly Tubbs Dolan, New York University,
Autumn Brown & Samer Houshaimi, International Rescue Committee,
J. Lawrence Aber & Ha Yeon Kim*, New York University

Evidence for Educational Intervention Effectiveness and Quality in Democratic Republic of Congo, Lebanon, and Niger
Lindsay Brown*, New York University, Jeannie Annan, International Rescue Committee,
Ha Yeon Kim, Carly Tubbs Dolan, & J. Lawrence Aber, New York University

Discussant: Celine Domitrovich, Pennsylvania State University

1H. Symposium
Research Methods
Pilot Studies of Educational Interventions:
How to Conduct Them and What We Can Learn from Them
Gallery 2 - Park Hyatt Hotel, Ballroom Level
Organizer: Robert Olsen, George Washington University

The Nonuse, Misuse, and Proper Use of Pilot Studies in Education Research
Elizabeth A. Stuart*, Johns Hopkins University, and Erik Westlund, University of Iowa

What Can We Learn from Small Pilots Conducted by School Districts?
Lessons from the Ed Tech RCE Coach
Alexandra Resch, Mathematica Policy Research

Discussant: Anne Ricciuti, U.S. Department of Education
**SREE Spring 2018 Conference Program**

**Wednesday February 28, 2018**

**6:00 PM - 8:30 PM: Hedges Lecture & Reception**
Ballroom - Fairmont Hotel

**Welcome**
Rebecca Maynard, SREE President

**Introduction**
Elizabeth Tipton, Columbia University

**Hedges Lecture**
_Evidence-Based Practice Is a Two-Way Street_

Andrew Gelman
Higgins Professor of Statistics & Professor of Political Science
Director of Applied Statistics Center
Columbia University

Hedges Lecture Sponsors:  
American Institutes for Research  
William T. Grant Foundation  
Spencer Foundation

**Thursday March 1, 2018**

**8:00 AM - 10:00 AM: Session 2**

**2A. Symposium**
Early Childhood Education

**Chicago School Readiness Project:**
*Unpacking the Long-Run Effects of an Early Childhood Intervention*
Sulgrave - Fairmont Hotel, Floor 3

Organizer: Tyler W. Watts, New York University

*Estimating the Long-Run Impacts of the Chicago School Readiness Project*
Tyler W. Watts*, Jill Gandhi, & C. Cybele Raver, New York University

*Examining Social-Emotional Skills as a Mechanism in Explaining the Long-Term Impacts of Early Childhood Intervention: Evidence from the Chicago School Readiness Project*
Dana McCoy*, Kathryn Gonzalez, & Stephanie M. Jones, Harvard University

*Getting In: The Influence of Early Intervention on Later Selection into Higher-Performing Schools*
Deanna A. Ibrahim*, Tyler W. Watts, Jill Gandhi, Alaa Khader, & C. Cybele Raver, New York University

Discussant: Meghan McCormick, MDRC

**7:30 PM - 8:30 PM: Reception**
Gallery - Park Hyatt Hotel, Ballroom Level
Sponsor:

AIR  
_Making Research Relevant_
2B. Paper Session  
Innovations in Teacher Preparation & Education  
Impacting PK-12 Schools: Innovations in Leadership, Instruction & Assessment  
Salon 4 - Park Hyatt Hotel, Ballroom Level  
Chair: Kathlene Holmes, National Center for Teacher Residencies  
The Promise of Supplemental Instruction to Support Academic Language for Upper Elementary ELs  
Rebecca Silverman* & Anna Hartranft, University of Maryland,  
Patrick Proctor, Boston College, and Jeffrey Harring, University of Maryland  
Examining Post-Intervention Effects of a Randomly-Assigned School Leadership Professional Development Intervention  
Robert Shand*, Roger Goddard, & Yvonne Goddard, Ohio State University  
Examining the Validity of Observation Scores of Special Education Teachers in High-Stakes Teacher Evaluation Systems  
Nathan Jones*, Boston University, Courtney Bell, Educational Testing Service,  
Mary Brownell, University of Florida, and Yi Qi, Educational Testing Service  

2C. Paper Session  
Research ↔ Practice in Local Educational Agencies  
Collaborative Research as a Team Sport: Designs, Principles, and Approaches within Research-Practice  
Drawing Room 2 - Park Hyatt Hotel, Ballroom Level  
Chair: Laura Booker, Tennessee Department of Education  
In Pursuit of Evidence: Lessons from the Study of Researcher Dissemination and Practitioner Search  
Elizabeth Farley-Ripple* & Horatio Blackman, University of Delaware  
Use of Design-Based Implementation Research to Redesign Secondary Courses to Improve Higher Order Thinking and Content Learning in Biology and U.S. History for Underperforming Adolescents  
Ellen Schiller, SRI International, Jose Blackorby*, CAST, Xin Wei, SRI International,  
Jan Bulgren, University of Kansas, Kathryn Morrison & Tejaswini Tiruke, SRI International  
Goals and Challenges of Research-Practice Partnerships for Improvement Efforts  
Kristen Davidson*, Caitlin Farrell, Melia Repko-Erwin, & William Penuel, University of Colorado - Boulder,  
Heather Hill & Corinne Herlihy, Harvard University  

2D. Symposium  
Research ↔ Practice: University-Based Collaborations  
University-Agency Partnerships to Strengthen Preschool: Four Examples of Improving Preschool at Scale  
Dumbarton - Fairmont Hotel, Floor 3  
Organizer: Pamela A. Morris, New York University  
A University-District Partnership to Support NYC’s Pre-K for All: Embedding Rigor Inside a Scaled-Up System  
Pamela A. Morris*, New York University, Josh Wallack, New York City Department of Education,  
Rachel Abenavoli, Natalia Rojas, & Elise Cappella, New York University  
Addressing Rigor and Timeliness Tensions in a Research-Practice Partnership in the Boston Public Schools  
Christina Weiland*, University of Michigan, and Jason Sachs, Boston Public Schools  
Developing a Collaborative Research Agenda among Three Connecticut Communities  
Michael Strambler*, Yale School of Medicine, Clare W. Irwin, Education Development Center,  
George A. Coleman, Cooperative Educational Services, and Joanna L. Meyer, Yale School of Medicine  
Building the Infrastructure: Leveraging Research Partnerships to Improve and Scale an Instructional Leadership Professional Development Program  
Maia C. Connors*, Debra M. Pacchiano, & Eleni Manos, Ounce of Prevention Fund,  
and Heather L. Horsley, California State University - Fresno  
Discussant: Robert Pianta, University of Virginia  
Discussant: Caroline Ebanks, Institute of Education Sciences
**2E. Symposium**

Research ↔ Practice at the National Level

**Issues in Accountability Testing: State Standards, Alternate Assessments, and Opting Out**

Gallery 3 - Park Hyatt Hotel, Ballroom Level

Organizer: Benjamin R. Shear, University of Colorado - Boulder

*Opt Out in U.S. School Districts*

Erin M. Fahle*, Sean F. Reardon, & Sam Trejo, Stanford University

*Trends in State Proficiency Standards in the Common Core Era*

Benjamin R. Shear*, University of Colorado - Boulder, Andrew D. Ho, Harvard University, Sean F. Reardon & Erin M. Fahle, Stanford University

*Trends in Within-State Achievement Inequality in the Common Core Era*

Sean F. Reardon* & Rebecca Hinze-Pifer, Stanford University

Discussant: David Quinn, University of Southern California

**2F. Symposium**

Education and Life Cycle Transitions

**Closing the Postsecondary Success Gap with Multifaceted Supports: Findings from Impact Evaluations of Four Comprehensive Programs**

Gallery 2 - Park Hyatt Hotel, Ballroom Level

Organizer: Stacy Kehoe, Education Northwest

*Dell Scholars Program*

Lindsay C. Page, University of Pittsburgh, Benjamin L. Castleman, University of Virginia, Stacy Kehoe*, Education Northwest, and Gumi A. Sahadewo, Gadjah Mada University

*CUNY Accelerated Study in Associate Programs (ASAP)*

Michael Weiss*, Alyssa Ratledge, & Colleen Sommo, MDRC

*Future Connect at Portland Community College*

Michelle Hodara*, Elizabeth Ghandi, & Sun Young Yoon, Education Northwest

*Detroit Promise Path*

Alyssa Ratledge & Michael Weiss*, MDRC

Discussant: Michael Hurwitz, College Board

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**2G. Paper Session**

Educational Effectiveness in Global Contexts & Early Childhood Education

**Effectiveness of Interventions to Improve Early Grade Outcomes: Evidence from Four Countries**

Salon 2 - Park Hyatt Hotel, Ballroom Level

Chair: Barbara Knox-Seith, U.S. Agency for International Development

*Efficacy of Numeracy-Themed Read Aloud Activity to Boost Literacy and Numeracy in Development Contexts: Evidence from Northern Nigeria*

Wael Moussa*, Nurudeen Lawal, & Emily Koester, FHI 360

*Evaluation of Amazonia Lee Reading Intervention in Peru*

Larissa Campuzano, Camila Fernandez, Steve Glazerman, Nancy Murray*, Julieta Lugo-Gil, & Ivonne Padilla, Mathematica Policy Research

*Evaluation of the Leer Juntos, Aprender Juntos Early Grade Reading Intervention in Peru and Guatemala*

Julieta Lugo-Gil*, Nancy Murray, Steven Glazerman, Camila Fernandez, & Larissa Campuzano, Mathematica Policy Research

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**2H. Symposium**

Research Methods

**Improving the Design of STEM Impact Studies: Considerations for Statistical Power**

Gallery 1 - Park Hyatt Hotel, Ballroom Level

Organizer: Jessaca Spybrook, Western Michigan University

*Investigating Science Teacher Effect Sizes for A Priori Power Analyses*

Susan M. Kowalski*, Joseph A. Taylor, & Karen M. Askins, BSCS, Dustin Anderson, William P. Maddix, Qian Wang, & Qi Zhang, Western Michigan University

*Estimates of IntraClass Correlation and Outcome-Covariate Correlations for Teacher Outcomes in Evaluations of Math and Science Interventions*

Fatih Unlu*, RAND, Joseph A. Taylor, BSCS, Jessaca Spybrook, Western Michigan University, Carl Westine, University of North Carolina - Charlotte, and Brent Anderson, RAND

*An Investigation of Design and Statistical Power for Planning Cluster Randomized Trials with Student and Teacher Outcomes*

Qi Zhang* & Jessaca Spybrook, Western Michigan University, and Fatih Unlu, RAND

Discussant: Crisstofer Price, Abt Associates

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SREE Spring 2018 Conference Program  Page 12

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Wednesday March 1, 2018  8:00 AM - 10:00 AM: Session 2
2I. Paper Session
Research Methods
Post-Random Assignment Models: Fidelity, Attrition, Mediation & More
Drawing Room 1 - Park Hyatt Hotel, Ballroom Level

Chair: Wendy Chan, University of Pennsylvania

Social Network Mediation Models
Tracy M. Sweet, University of Maryland - College Park

Estimation Methods for Cluster Randomized Trials with Noncompliance
Luke Keele*, Georgetown University, and Hyunseung Kang, University of Wisconsin - Madison

Leveraging Fidelity Data to Making Sense of Impact Results: Informing Practice through Research
Andrew Jaciw* & Thanh Nguyen, Empirical Education

Theory Vs. Practice of Mastery Learning in the Cognitive Tutor: Principal Stratification on a Latent Variable
Adam Sales*, University of Texas, and John Pane, RAND

Thursday March 1, 2018 8:00 AM - 10:00 AM: Session 2

10:30 AM - 12:00 PM: Session 3

3A. Paper Session
Early Childhood Education
Enhancing Contributions of Parents & Teachers
Salon 4 - Park Hyatt Hotel, Ballroom Level

Chair: Sharon Wolf, University of Pennsylvania

Spillover Effects in Early Childhood Professional Development
Kathryn Gonzalez, Harvard University

Two-Generation Education Interventions for Low-Income Mothers and Their Young Children
Elise Chor, Temple University

Learning at Home: Informing Large-Scale Practice
Through a National Survey and Qualitative Study
Megan Silander*, Education Development Center, Claire Christensen, Todd Grindal, & Kea Anderson, SRI International, Naomi Hupert, Education Development Center, and Phil Vahey, SRI International

3B. Invited Panel
Innovations in Teacher Preparation & Education
Utilizing Improvement Science to Strengthen an Urban Teacher Residency Program
Drawing Room 2 - Park Hyatt Hotel, Ballroom Level

Moderator: Sarah Cohen, National Center for Teacher Residencies
BreAnna Evans-Santiago, California State University - Bakersfield
Brandon Ware, Bakersfield City School District
Holly Gonzales, California State University - Bakersfield
Thursday March 1, 2018 10:30 AM - 12:00 PM: Session 3

3C. Invited Panel
Research ↔ Practice in Local Educational Agencies
Planning for Agency Independence in a Post Research-Practice Partnership World
Sulgrave - Fairmont Hotel, Floor 3

Moderator: Matthew A. Lenard, Wake County Public Schools
Kylie Klein, Consortium on Chicago School Research
Julie Reed Kochanek, American Institutes for Research
Joy Lesnick, School District of Philadelphia

3D. Panel
Research ↔ Practice: University-Based Collaborations
Opportunities and Challenges in State-Level Research Partnerships of Scaling Up:
Lessons from Tennessee and North Carolina
Salon 2 - Park Hyatt Hotel, Ballroom Level

Moderator: John Papay, Brown University
Ellen Goldring, Vanderbilt University
Laura Booker, Tennessee Department of Education
Gary Henry, Vanderbilt University
Audrey Martin-McCoy, North Carolina State Board of Education

3E. Panel
Research ↔ Practice at the National Level
Strategies for Increasing the Utility of Research
Gallery 1 - Park Hyatt Hotel, Ballroom Level

Moderator: Paula Arce-Trigatti, Rice University
Julie Riordan, Education Development Center
Carrie Scholz, American Institutes for Research
Jason Snipes, WestEd
Barbara Foorman, Florida State University

3F. Paper Session
Education and Life Cycle Transitions
Economic and Educational Attainment in College
Drawing Room 1 - Park Hyatt Hotel, Ballroom Level

Chair: Beth Gamse, Gamse Partnership

Minimum Wage and Community College Enrollment
Chang Hyung Lee, University of California - Santa Barbara

A Comprehensive College Transition Program and Nonprogram Peer and Faculty Interactions:
An Application of Mediation Analysis
W. Edward Chi*, University of Southern California,
Minjeong Jeon, University of California - Los Angeles, Elizabeth S. Y. Park,
Tatiana Melguizo, & Adrianna Kezar, University of Southern California

Increasing Degree Attainment of Low-Income Community College Students:
Evidence from a Randomized Controlled Trial
Kelly Hallberg* & Marianne Bertrand, University of Chicago
3G. Invited Panel
Research ↔ Practice at the National Level
Turning the Evidence Commission's Recommendations into Action
Gallery 3 - Park Hyatt Hotel, Ballroom Level

Moderator: Nick Hart, Bipartisan Policy Center
Adam Gamoran, William T. Grant Foundation
Ron Haskins, Brookings Institution
John Righter, U.S. Senate HELP Committee
Kathy Stack, KB Stack Consulting

3H. Paper Session
Research Methods
Treatment Effect Generalizability & Heterogeneity: New Methods
Dumbarton - Fairmont Hotel, Floor 3

Chair: Elizabeth Tipton, Columbia University

Bounding Approaches for Generalization
Wendy Chan, University of Pennsylvania

Using Covariates to Detect Treatment Effect Heterogeneity in Multisite Trials
Luke W. Miratrix, Harvard University

Sensitivity Analysis for an Unobserved Moderator in Trial-to-Target-Population Generalization of Treatment Effects
Benjamin Ackerman*, Trang Quyhn Nguyen, & Elizabeth A. Stuart, Johns Hopkins University

12:15 PM - 1:45 PM: Women in Quantitative Methodology
Please join us over lunch to discuss job negotiation strategies with Cybele Raver, Senior Vice Provost, New York University, and Pamela Morris, Vice Dean for Research and Faculty Affairs, New York University.

Hosts: Trisha Borman, American Institutes for Research
Jill Bowdon, American Institutes for Research
Terri Pigott, Loyola University Chicago
Beth Tipton, Teachers College, Columbia University
Vivian Wong, University of Virginia

Gallery 2 - Park Hyatt Hotel, Ballroom Level
Sponsor: AIR
12:30 PM - 1:30 PM: Career Forum
The Career Forum provides an opportunity for individuals to meet with leading research firms. Each firm will host an informational session over lunch. Career Forum sponsors have exhibits on the Ballroom level of the Park Hyatt for the duration of the conference. The reception following the Poster Session on Thursday afternoon provides another opportunity to interact with representatives of CF sponsors.

Career Forum Locations:
WestEd - Drawing Room 1 - Park Hyatt Hotel, Ballroom Level
AIR - Drawing Room 2 - Park Hyatt Hotel, Ballroom Level

Thursday March 1, 2018
12:30 PM - 1:30 PM: Career Forum

2:00 PM - 3:30 PM: Session 4

4A. Paper Session
Early Childhood Education
Preschool Characteristics: Organization, Location, and Quality
Drawing Room 2 - Park Hyatt Hotel, Ballroom Level

Chair: Elise Cappella, New York University

Putting “Pre” in “School”: The Institutionalization of Preschool in Elementary Schools
Michael Little, University of North Carolina - Chapel Hill

Within- and Between-School Contributions to Black-White Test Score Gap Changes during School and Summer Vacation: Evidence of the Effects of Differential School Quality by Race
David Quinn, University of Southern California

Using a Multi-Method Approach to Examine the Reliability and Validity of Surveys Measuring Early Education Organizational Conditions

4B. Paper Session
Innovations in Teacher Preparation & Education
Assessing Students and Teachers
Salon 4 - Park Hyatt Hotel, Ballroom Level

Chair: Alix Gallagher, SRI International

The Effects of Increasing the Number of Observations Per Teacher on Student Achievement
Seth Hunter, Vanderbilt University

New Experimental Results on Data-Driven Instruction: Using Formative and Summative Assessments to Improve Early Grade Reading and Math
Sarah Liuzzi, Steven Glazerman*, Nancy Murray, & Irina Cheban, Mathematica Policy Research

Impacts of the Ongoing Assessment Project on Teachers and Students
Jonathan Supovitz* & Robert Nathenson, University of Pennsylvania
Thursday March 1, 2018
2:00 PM - 3:30 PM: Session 4

4C. Panel
Research ↔ Practice in Local Educational Agencies
How States Work with Districts to Use Evidence Under the ESSA
Salon 2 - Park Hyatt Hotel, Ballroom Level

Moderator: Sylvie Hale, REL West
Lori Dolezal, Vermont Agency of Education
Lenay Dunn, REL West
Sara Kerr, Results for America
Laurie Lee, REL Southeast
Sonja Robertson, Mississippi Department of Education
Sean Ross, Arizona Department of Education

4D. Paper Session
Research ↔ Practice: University-Based Collaborations
University-Based Collaborations to Improve Students’ Post-Secondary Outcomes
Drawing Room 1 - Park Hyatt Hotel, Ballroom Level

Chair: Monica Bhatt, UChicago Urban Labs
The Effect of Early Undergraduate Research Experiences on STEM Degree Attainment
Paulette Vincent-Ruz*, Lindsay C. Page, & Christian D. Schunn, University of Pittsburgh

Machine Learning Guided Evaluation of a College Program for Under-Prepared Students
Julian Hsu*, College Board, Wei Ai & William J. Gehring, University of Michigan

EASEing Students into College:
The Impact of Multidimensional Support for Underprepared Students
Sabrina Solanki*, Di Xu, Peter McPartlan, & Brian Sato, University of California - Irvine

Thursday March 1, 2018
2:00 PM - 3:30 PM: Session 4

4E. Paper Session
Research ↔ Practice at the National Level
Research on Research Use: Views from K-12 and Postsecondary Education
Sulgrave - Fairmont Hotel, Floor 3

Chair: Joy Lesnick, School District of Philadelphia
The Influence (or Not) of Educational Effectiveness Research on School-Based Decisions about Policy and Practice
Henry May*, Akisha Jones, Kati Tilley, Sara Grajeda, Horatio Blackman, Rui Wang, & Elizabeth Farley-Ripple, University of Delaware

What Counts as Research Evidence?
How Educational Leaders’ Reports of the Research They Use Compare to ESSA Guidelines
Kristen Davidson*, William Penuel, & Caitlin Farrell, University of Colorado - Boulder

Advancing Minority Gifted Identification:
Final Results from a Randomized Trial of Nurturing for a Bright Tomorrow
Angel L. Harris, Duke University, Darryl V. Hill, Fulton County Schools, and Matthew A. Lenard*, Wake County Public Schools

4F. Invited Panel
Research ↔ Practice in Local Educational Agencies
Evidence-Building, Implementation, and Adaptation: Theory and Running Errands in the Context of Enduring Research-to-Practice Partnerships
Gallery 1 - Park Hyatt Hotel, Ballroom Level

Moderator: Neal Finkelstein, WestEd
James Kemple, New York University
Jason Snipes, WestEd

In Response To “Service Contrast in a Cycle of Evidence-Building, Implementation, and Adaptation”
Rekha Balu, MDRC
Carolyn Hill, MDRC
**4G. Invited Panel**  
*Education and Life Cycle Transitions*  
Research Practice Partnerships and Postsecondary Transitions: Some Assembly Required  
Dumbarton - Fairmont Hotel, Floor 3  

Moderator: Laura Wentworth, California Education Partners  
Moderator: Michelle Hodara, Education Northwest  

Carol Alexander, Los Angeles Unified School District  
Kyo Yamashiro, Los Angeles Education Research Institute  
Julia Baez, Baltimore’s Promise  
Rachel Durham, Baltimore Education Research Consortium  
Noah Lystrup, San Francisco Unified School District  
Amy Gerstein, Stanford University

**4H. Invited Panel**  
*Educational Effectiveness in Global Contexts*  
From Evidence Generation to Use: Education Research in the US and UK  
Gallery 2 - Park Hyatt Hotel, Ballroom Level  

Moderator: Anu Rangarajan, Mathematica Policy Research  
Elena Rosa Brown, Education Endowment Foundation  
Jon Baron, Laura and John Arnold Foundation

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**4I. Paper Session**  
*Research Methods*  
Tricky Problems in the Planning of Experiments  
Gallery 3 - Park Hyatt Hotel, Ballroom Level  

Chair: Laura Peck, Abt Associates  

Rerandomization to Improve Baseline Balance in Educational Experiments  
Kari Lock Morgan*, Pennsylvania State University,  
Anna Saavedra, University of Southern California,  
and Amie Rapaport, Gibson Consulting Group  

Asymdystopia: The Threat of Small Biases in Evaluations of Education Interventions That Need to Be Powered to Detect Small Impacts  
John Deke, Mathematica Policy Research, Thomas Wei*, Institute of Education Sciences,  
and Tim Kautz, Mathematica Policy Research  

Suspect Research and Statistical Inference  
Jacob Schauer, Northwestern University
4:00 PM - 5:00 PM: Session 5 Poster Session
Colonnade - Fairmont Hotel, Lobby Level

5A. Early Childhood Education
1. **Who Participates in QRIS? Comparing Center Characteristics and Improvement Activities**
   Jennifer K. Duer* & Jade M. Jenkins, University of California - Irvine, and Maia C. Connors, Ounce of Prevention Fund

2. **Teacher/Child Question Use During Shared Reading**
   Jill Pentimonti*, American Institutes for Research, Tricia Zucker, University of Texas Health Science Center - Houston, Ryan Bowles, Michigan State University, Sherine Tambyraja & Laura Justice, Ohio State University

3. **Predictors of First Graders’ Arithmetic Strategy Choices**
   Ally Patterson* & Robert Pasnak, George Mason University

4. **Off-Task Behavior in Kindergarten**
   Lillie Moffett* & Frederick J. Morrison, University of Michigan

5B. Innovations in Teacher Preparation & Education
5. **A Multi-State Study Investigating the Generalizability of a Schema-Based Instructional Approach to Proportional Problem Solving**
   Asha K. Jitendra, Michael R. Harwell, Stacy R. Karl, Soo-hyun Im*, & Susan C. Slater, University of Minnesota - Twin Cities

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Tables support laptop poster presentations. Posters refer to display board presentations.
5C. Research ↔ Practice in Local Educational Agencies

6. The Effect of Gender Stereotypes and Congruence in Principal Evaluation of Teacher Effectiveness
   Kurtis Jensen* & Eli Jones, University of Missouri

7. Using Archival Data to Close the Research-to-Practice Gap: Findings from Project CIFOR
   Brian Gearin*, University of Oregon, Christian T. Doabler, University of Texas - Austin,
   Michael Stoolmiller, Michigan State University, Scott Baker, Southern Methodist University, and
   Nancy J. Nelson, University of Oregon

8. Describing and Measuring District-Charter Collaboration in New York City: A Research-Practice Partnership
   Jamie Litt*, Gwen Fishel, April Gariepy, & Sonya Hooks, New York City Department of Education

9. Development of a District Capacity Assessment to Drive Implementation Fidelity
   Caryn Sabourin Ward*, University of North Carolina - Chapel Hill,
   Jennifer Coffey, U.S. Department of Education, and Dean Fixsen, University of North Carolina - Chapel Hill

10. From Special Education to Higher Education: A Community College-High School Collaboration to Promote College Readiness and Retention for Students with Disabilities
    Christina Cipriano*, University of Massachusetts - Dartmouth, Linda Lopez,
    Karen Ellis, & Patricia Schwerz, Nassau BOCES, Genette Alvarez-Ortiz,
    Maria Conzatti, & Molly Ludmar, Nassau Community College

5D. Research ↔ Practice: University-Based Collaborations

11. Efficacy of a Tier 2 Integers Module for Struggling Students
    Diane Pedrotty Bryant* & Brian R. Bryant, University of Texas - Austin

12. The Impacts of Stereotypical and Counter-Stereotypical Imagery on Female and Male Students: Lessons for Implementation
    NaLette Brodnax, Harvard University

5E. Research ↔ Practice at the National Level

    NaYoung Hwang, University of Notre Dame

5F. Education and Life Cycle Transitions

14. Understanding and Measuring Leadership from a Student Perspective: Creation and Validation of the Student Leadership Scale (SLS)
    Micela Leis, Tim Leisman, Valerie Ehrlich, & Jeff J. Kosovich*, Center for Creative Leadership

15. The Effect of a Summer Enrichment Program on Improving Academic Success for Latino Students in Poverty
    Viki Young, Xin Wei, Kaily Yee, & Haiwen Wang*, SRI International

5G. Educational Effectiveness in Global Contexts

16. Distributional Effects of Life-Wide Learning: Evidence from a Field Experiment in Rwanda
    Minahil Asim, University of California - Davis
5H. Research Methods

17. Replication in Education Science
Jacob Schauer, Northwestern University

18. Improving Computational Efficiency of Treatment and Control Match Generation in Optmatch
Adam Rauh* & Ben Hansen, University of Michigan

19. Effects of Propensity Score Overlap on the Estimates of Treatment Effects
Yating Zheng* & Laura Stapleton, University of Maryland - College Park

20. Generation of Synthetic Schools to Improve Model Selection for Reading Interventions
Tim Lycurgus, University of Michigan

21. Strategies for Evaluating Curricular Interventions Using the Experience Sampling Method
Christopher Klager* & Barbara Schneider, Michigan State University

22. A New Teacher-Based Assessment of Preschoolers’ Patternning Skills
Erica L. Zippert*, Abbey M. Loehr, & Bethany Rittle-Johnson, Vanderbilt University

23. A Validation of a Kindergarten Reading Motivation Scale (KRMS)
Wendy Castillo* & Abigail Gray, University of Pennsylvania

24. Trimming of Multiple-Group Propensity Score Inverse Weights: Implications for Covariate Balance and Treatment Effect Estimation
Diego Luna-Bazaldua*, National Autonomous University of Mexico, and Laura M. O’Dwyer, Boston College

25. Adequacy of Social Science Registries to Meet the Needs of Educational Research
Dustin Anderson, Western Michigan University

26. Improved Generalizability through Improved Recruitment: Lessons Learned from a Large-Scale Randomized Trial
Bryan Matlen, WestEd, and Elizabeth Tipton*, Columbia University

5:00 PM - 6:00 PM: Poster Reception
Colonnade - Fairmont Hotel, Lobby Level

6:00 PM - 7:00 PM: Graduate Student Organization Reception
Roosevelt - Fairmont Hotel, Ballroom Level
6B. Symposium
Innovations in Teacher Preparation & Education
Providing Performance Feedback to Teachers and Principals:
Implementation and Impact Findings from a Large-Scale Randomized Controlled Trial
Gallery 1 - Park Hyatt Hotel, Ballroom Level
Organizer: Jordan Rickles, American Institutes for Research

Performance Measurement and Feedback: Implementation Findings for Teacher Classroom Practice
Jordan Rickles*, Andrew Wayne, Michael Garet, Seth Brown, Mengli Song, & David Manzeske, American Institutes for Research

Performance Measurement and Feedback: Implementation Findings for Teacher Value Added
Seth Brown*, Andrew Wayne, Michael Garet, Mengli Song, Jordan Rickles, & David Manzeske, American Institutes for Research

Performance Measurement and Feedback: Implementation Findings for Principal Leadership
Andrew Wayne*, Michael Garet, Seth Brown, Mengli Song, Jordan Rickles, & David Manzeske, American Institutes for Research

Providing Performance Feedback to Teachers and Principals:
Impact on Educator Practice and Student Achievement
Mengli Song*, Michael Garet, Andrew Wayne, Seth Brown, Jordan Rickles, & David Manzeske, American Institutes for Research

Discussant: Andy Sokatch, Bill & Melinda Gates Foundation

6C. Symposium
Research ↔ Practice in Local Educational Agencies
Stepping Up to Scale Evidence-Based Technology Programs and Practices for Students with Disabilities
Salon 2 - Park Hyatt Hotel, Ballroom Level
Organizer: Fatima Terrazas-Arellanes, University of Oregon

Conducting Rigorous and Realistic Studies of KinderTEK iPad Math Implementation
Mari Strand Cary, Lina Shanley*, & Patrick Kennedy, University of Oregon

NumberShire Integrated Tutor System: Supporting Enhanced Implementation of a First Grade, Game-Based Math Intervention for Students with Learning Disabilities
Nancy J. Nelson*, Lina Shanley, Hank Fien, Christian T. Doabler, & Ben Clarke, University of Oregon

Project ESCOLAR: Research to Practice in Local Educational Agencies through Online Science Units
Fatima Terrazas-Arellanes*, University of Oregon, Alejandro Gallard, Georgia Southern University, and Lisa Striker, University of Oregon

Scaling-Up EnvisionIT:
A Model for Teaching 21st Century Literacy Skills to Students with Disabilities
Margo V. Izzo & Alexa Murray*, OSU Nisonger Center

Discussant: Kristen Rhoads, U.S. Department of Education

6D. Invited Panel
Research ↔ Practice: University-Based Collaborations
So You Found Positive Results, Now What?
A Case Study of 2:1 Tutoring in Chicago
Gallery 3 - Park Hyatt Hotel, Ballroom Level
Moderator: Kelly Hallberg, University of Chicago
Monica Bhatt, University of Chicago
Molly Burke, Chicago Public Schools
Michelle Welch, Laura and John Arnold Foundation
6E. Panel
Research ↔ Practice at the National Level &
Educational Effectiveness in Global Contexts
From Randomized Evaluations to Policy Influence:
Insights from the Dominican Republic, India, and Zambia
Drawing Room 2 - Park Hyatt Hotel, Ballroom Level
Moderator: John Floretta, Abdul Latif Jameel Poverty Action Lab
Chris Neilson, Princeton University
Devyani Pershad, Pratham
Alejandro Ganimian, New York University

6F. Paper Session
Education and Life Cycle Transitions
Social Emotional Learning Across the Life Cycle
Sulgrave - Fairmont Hotel, Floor 3
Chair: Robert Olsen, George Washington University

Social-Emotional Learning, Special Education Referral, and Grade Retention from Kindergarten
Through Fifth Grade: Long-Term Effects of Early Intervention on Policy-Relevant Outcomes
E. Parham Horn*, New York University, Meghan P. McCormick, MDRC, Erin O'Connor, Hope White, Samantha Harding, Elise Cappella, & Sandee McClowry, New York University

Can the Impacts of a Brief Middle-School Self-Affirmation Intervention
Be Sustained Into High School?
Geoffrey Borman*, Yeseul Choi, & Garret Hall, University of Wisconsin - Madison

Impacts of a Growth Mindset Intervention on
9th Grade Achievement in a National Probability Sample
David S. Yeager, University of Texas - Austin,
Paul Hanselman*, University of California - Irvine,
and Sophia Yang Hooper, University of Texas - Austin

Pathways to Success: Developing and Testing
a Scalable Identity-Based Motivation Intervention in the Classroom
Nicholas Sorensen*, American Institutes for Research,
Daphna Oyserman, University of Southern California,
Ryan Eisner & Nicholas Yoder, American Institutes for Research,
and Eric Horowitz, University of Southern California

6G. Symposium
Educational Effectiveness in Global Contexts
Improving Educational Quality and Learning Outcomes in Ghana:
Evidence from Three Randomized Control Trials
Salon 4 - Park Hyatt Hotel, Ballroom Level
Organizer: Sharon Wolf, University of Pennsylvania

Evaluating the Fast-Track Transformational Teacher Training in Ghana:
Improving Kindergarten Quality through Enhanced Pre-Service Teacher Training
Sharon Wolf, University of Pennsylvania

The Supports and Barriers Teachers in Resource-Poor Communities Face
in Effectively Implementing Interventions: Ghana as a Case Study
Kate Schwartz*, Elise Cappella, & Marc Scott, New York University,
Sharon Wolf, University of Pennsylvania, J. Lawrence Aber, New York University,
and Jere R. Behrman, University of Pennsylvania

Food for Thought? Experimental Evidence
on the Educational Impacts of the Ghana School Feeding Program
Elisabetta Aurino*, Imperial College London, Clement Adamba, University of Ghana,
Aulo Gelli, International Food Policy Research Institute, Isaac Osei-Akoto, University of Ghana,
and Harold Alderman, International Food Policy Research Institute
**6H. Symposium**  
**Research Methods**  
**Towards a Reproducibility Framework**  
Gallery 2 - Park Hyatt Hotel, Ballroom Level

Organizer: Vivian C. Wong, University of Virginia

*Improving the Science in Replication Sciences*  
Vivian C. Wong*, University of Virginia,  
and Peter M. Steiner, University of Wisconsin - Madison

*Replication and Robustness in Educational Research*  
Mimi Engel*, University of Colorado - Boulder, Amy Claessens, University of Chicago,  
and Sarah Kabourek, Vanderbilt University

*Open Science for Education Science: Toward Transparent, Reproducible Workflows for Intervention Research*  
Sean Grant, RAND

Discussant: Jessaca Spybrook, Western Michigan University

**6I. Symposium**  
**Research Methods**  
**Valid Causal Inference in Single-Site and Multi-Site Studies: Lessons for Analysts**  
Dumbarton - Fairmont Hotel, Floor 3

Organizer: Guanglei Hong, University of Chicago

*Estimating the Average Treatment Effect in Multi-Site Randomized Trials When Sample Sizes Are Endogenous and Treatment Effects Vary*  
Stephen W. Raudenbush* & Daniel Schwartz, University of Chicago

*A Template for Multi-Site Causal Mediation Analysis*  
Xu Qin* & Guanglei Hong, University of Chicago,  
Jonah Deutsch, Mathematica Policy Research,  
and Edward Bein, U.S. Food and Drug Administration

*Weighting-Based Approach to Sensitivity Analysis in Single- and Multi-Site Studies*  
Guanglei Hong* & Xu Qin, University of Chicago,  
and Fan Yang, University of Colorado - Denver

Discussant: Luke W. Miratrix, Harvard University

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Friday March 2, 2018  
8:00 AM - 10:00 AM: Session 6

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Friday March 2, 2018  
10:30 AM - 1:00 PM: Keynote Address & Lunch

**10:30 AM - 12:00 PM: Keynote Address**  
Ballroom - Fairmont Hotel  
*Getting to Scale With Evidence Use*  
Ruth Neild  
Director, Philadelphia Education Research Consortium  
Research for Action

**Introduction:** Neal Finkelstein, Spring 2018 Program Chair

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**12:00 PM - 1:00 PM: Lunch**  
Ballroom - Fairmont Hotel

Sponsor:
1:00 PM - 2:30 PM: Session 7

7A. Panel
Early Childhood Education & Research ↔ Practice in Local Educational Agencies
Researcher-Practitioner Partnerships and Kindergarten Entry Assessments
Drawing Room 2 - Park Hyatt Hotel, Ballroom Level

Moderator: Jill Bowdon, American Institutes for Research
Ashley Pierson, Education Northwest
Katie Dahlke, American Institutes for Research

7B. Paper Session
Innovations in Teacher Preparation & Education
Improving Practice: Examining Classrooms, School Environments, and Time in School
Drawing Room 1 - Park Hyatt Hotel, Ballroom Level

Chair: Doris Luft Baker, Southern Methodist University

Instructional Practice and Student Achievement:
Validating a Contemporary Classroom Walkthrough Tool
Dale L. Cusumano, University of North Carolina - Chapel Hill,
Matthew A. Lenard*, Wake County Public Schools,
Angela Preston & Caryn Sabourin Ward, University of North Carolina - Chapel Hill

Understanding the Building Blocks of On-the-Job Teacher Education:
The Role of Physical Proximity in Work-Related Social Ties Among School Staff
Matthew Shirrell*, George Washington University, James P. Spillane, Northwestern University,
and Tracy M. Sweet, University of Maryland

Evaluating the Effectiveness of the Full-Time School Program in Mexico
Diego Luna-Bazaldua*, National Autonomous University of Mexico,
and Pablo Velazquez-Villa, Mexicanos Primero

7C. Paper Session
Research ↔ Practice in Local Educational Agencies &
Educational Effectiveness in Global Contexts
Will They Stay, or Will They Go?
Experimental Impacts of Teacher Accountability Systems and Practices
Gallery 2 - Park Hyatt Hotel, Ballroom Level

Chair: Andrew Rice, Education Analytics

Does Video Technology Improve the Classroom Observation Process?
Results from a Randomized Experiment
David Blazar*, University of Maryland - College Park,
Thomas J. Kane & Daniel Thal, Harvard University

Teacher Accountability Reforms and the Supply of New Teachers
Matthew A. Kraft*, Brown University, Eric J. Brunner &
Shaun M. Dougherty, University of Connecticut, and David Schwegman, Syracuse University

The Dire Role of Program Design and Fidelity of Implementation:
Lessons From a Large-Scale On-Site Teacher Training Program
Sandra Garcia* & Arturo Harker, University of the Andes,
Maria Figueroa, Externship University - Colombia,
Santiago Gómez-Echeverry & Maria Paula Rojas, University of the Andes

7D. Panel
Research ↔ Practice: University-Based Collaborations
How Does One “Build Practitioner Capacity” to Use Evidence
When the Practitioners Are Researchers?
Sulgrave - Fairmont Hotel, Floor 3

Moderator: Paula Arce-Trigatti, Rice University
Norma Ming, San Francisco Unified School District
Joy Lesnick, School District of Philadelphia
Matthew Linick, Cleveland Metropolitan School District
7E. Panel
Education and Life Cycle Transitions
Three Comprehensive College Transition Programs: Practitioner and Researcher Perspectives
Salon 2 - Park Hyatt Hotel, Ballroom Level

Moderator: Jennifer Keup, University of South Carolina
Patrick A. Lapid, Consumer Financial Protection Bureau
Diana Strumbos, CUNY
Tatiana Melguizo, University of Southern California

7F. Paper Session
Education and Life Cycle Transitions
Informing Alternative Paths to Higher Ed
Dumbarton - Fairmont Hotel, Floor 3

Chair: Laura Wentworth, California Education Partners

Realizing the Aims of the College Ambition Program
Jeffrey Kramer*, Christopher Klager, Amieris Lavender, Lindsey Young,
I-Chien Chen, & Barbara Schneider, Michigan State University

The Causal Impact of Attending a Career Technical High School on Student Achievement, High-School Graduation and College Enrollment
Shaun M. Dougherty*, Eric J. Brunner, & Stephen L. Ross, University of Connecticut

How Research Informs EdTech Decision-Making in Higher Education: The Role of External Research Vs. Internal Research
Fiona Hollands & Maya Escueta*, Columbia University

7G. Panel
Research Methods
Getting Down to Brass Tacks: What Does Pre-Registration of Studies Actually Look Like in Practice?
Gallery 3 - Park Hyatt Hotel, Ballroom Level

Moderator: Elizabeth A. Stuart, Johns Hopkins University
Jessaca Spybrook, Western Michigan University
Rob Ochsendorf, National Science Foundation
Hunter Gehlbach, University of California - Santa Barbara

7H. Paper Session
Research Methods
New Developments in Cost-Effectiveness Trials
Gallery 1 - Park Hyatt Hotel, Ballroom Level

Chair: Peter Schochet, Mathematica Policy Research

Power Analysis for Three-Level Blocked Randomized Cost-Effectiveness Trials
Wei Li*, University of Alabama, Nianbo Dong, University of Missouri,
and Rebecca Maynard, University of Pennsylvania

Designing Research on Costs within Randomized Field Trials
A. Brooks Bowden, North Carolina State University

Applying Generalizability Index Method to Examine the Representativeness of Cost Study Samples
Anyi Wang & Atsuko Muroga*, Columbia University,
and A. Brooks Bowden, North Carolina State University
3:00 PM - 5:00 PM: Session 8

8A. Paper Session
Early Childhood Education & Educational Effectiveness in Global Contexts
New Directions in Early Mathematics
Gallery 3 - Park Hyatt Hotel, Ballroom Level

Chair: Beth Gamse, Gamse Partnership

Evaluating the Efficacy of a Learning Trajectory for Early Shape Composition
Douglas H. Clements* & Julie Sarama, University of Denver,
Arthur J. Baroody, University of Illinois - Urbana/Champaign,
and David J. Purpura, Purdue University

Understanding the Cognitive Deficits Related to Mathematics Difficulties: A Meta-Analysis
Peng Peng, University of Nebraska - Lincoln

Young Children and Digital Media: Examining Impact through Three RCTs
Naomi Hupert*, Megan Silander, & Regan Vidiksis, Education Development Center,
Phil Vahey, SRI International, and Shelley Pasnik, Education Development Center

Effective Programs in Elementary Mathematics: A Best-Evidence Synthesis
Marta Pellegrini*, University of Florence, Cynthia Lake,
Amanda Inns, & Robert Slavin, Johns Hopkins University

8B. Paper Session
Research ↔ Practice in Local Educational Agencies
Don't Judge an App by Its Icon: Experimental Evidence from Literacy Interventions
Gallery 2 - Park Hyatt Hotel, Ballroom Level

Chair: James Kim, Harvard University

Word Learning Strategies Supplementary Curriculum: Preliminary Findings Related to Research and Practice
Kylie Flynn*, Linlin Li, & Cathy Ringstaff, WestEd

Challenges and Promise of a Vocabulary App Designed to Teach English Words in Depth to Second Grade Hispanic English Learners
Doris Luft Baker*, Hao Ma, & Paul Polanco, Southern Methodist University

A Multisite Randomized Controlled Trial of Descubriendo La Lectura (DLL)
Trisha Borman*, American Institutes for Research,
Geoffrey Borman, University of Wisconsin - Madison, So Jung Park,
Patricia Garcia-Arena, & Bo Zhu, American Institutes for Research

8C. Panel
Research ↔ Practice in Local Educational Agencies
Putting Research into Practice in Local Education Agencies: Supporting English Learner Students with Learning Disabilities
Drawing Room 1 - Park Hyatt Hotel, Ballroom Level

Moderator: Elizabeth Burr, WestEd

Marie Salazar Glowski, Connecticut Association of Schools
Judy Radford, Virginia Department of Education

8D. Symposium
Research ↔ Practice: University-Based Collaborations
Project COMPASS: Using a Rigorous Evaluation to Change How a Community College Looks at Its Programs
Dumbarton - Fairmont Hotel, Floor 3

Organizer: Julie Edmunds, University of North Carolina - Greensboro

The Implementation of Project COMPASS
Christopher Roddenberry* & Thomas Rankin, Wake Technical Community College

The Impact of Project COMPASS
Dora Gicheva*, Julie Edmunds, Beth Thrift,
Jeremy Bray, & Marie Hull, University of North Carolina - Greensboro

Lessons Learned about and from Implementing an Experimental Study
Kai Wang* & Bryan K. Ryan, Wake Technical Community College

Discussant: Michael Weiss, MDRC
8E. Invited Panel
Research ↔ Practice at the National Level
Education Effectiveness Research in the United Kingdom
Gallery 1 - Park Hyatt Hotel, Ballroom Level

- Andy Feldman, Evidence-Based Policymaking Collaborative
- Ruth Neild, Philadelphia Education Research Consortium

In Conversation With
Sir Kevan Collins, Education Endowment Foundation

8F. Paper Session
Education and Life Cycle Transitions
Interventions in the Middle Grades
Salon 4 - Park Hyatt Hotel, Ballroom Level

- Chair: David Stevens, Education Northwest
- Impacts of Providing Information to Parents about the Role of Algebra II
  Ginger Stoker* & Lynn Mellor, American Institutes for Research
- Overmatched and Overperforming: The Positive Impact of Students’ Placement in Late Elementary and Middle School Classrooms Where They Occupy the Bottom of the Distribution of Initial Knowledge
  Brian Fitzpatrick, University of Notre Dame
- Does Readiness for Eighth-Grade Algebra Matter?: A Quasi-Experimental, Multi-Site Analysis of Short- and Longer-Term Outcomes
  Nicholas Sorensen* & Whitney Cade, American Institutes for Research, Marisa de la Torre, Consortium on Chicago School Research, Ryan Eisner, Kirk Walters, & Jordan Rickles, American Institutes for Research
- Class Size Effects in Asia: A Multi-Cutoff Regression Discontinuity Design
  Wei Li*, University of Alabama, and Spyros Konstantopoulos, Michigan State University

8G. Symposium
Educational Effectiveness in Global Contexts
Developing, Adapting, and Testing a Research- and Practice-Based Innovation in SEL for Domestic and International Contexts
Drawing Room 2 - Park Hyatt Hotel, Ballroom Level

- Organizer: Stephanie M. Jones, Harvard University
- Designing and Testing Brain Games: A New Kernel of Practice Focused on Children’s Executive Function and Self-Regulation
  Stephanie M. Jones*, Rebecca Bailey, & Sophie Barnes, Harvard University
- Brain Games for Education in Emergencies: Adaptation and Implementation Findings
  Rebecca Bailey*, Harvard University, Paul Frisoli, International Rescue Committee, Sophie Barnes, Randa Awada, & Sonya Tempko, Harvard University
- Brain Games as a Low-Cost, Targeted, Complementary Intervention: Impacts on Children’s Social-Emotional Outcomes among Syrian Refugees in Lebanon
  Ha Yeon Kim*, New York University, Rebecca Bailey, Harvard University, Serena Borsani, International Rescue Committee, Lindsay Brown & Caroline Dolan, New York University, Stephanie M. Jones, Harvard University, and J. Lawrence Aber, New York University

- Discussant: C. Cybele Raver, New York University
8H. Symposium
Research Methods
Prioritizing Growth But Underutilizing Growth Scales:
Implications of Advances in Growth Modeling for Educational Policy and Practice
Salon 2 - Park Hyatt Hotel, Ballroom Level

Organizer: James Soland, NWEA

Modeling Growth by Adding Curves: The Compound Polynomial for Seasonal Time-Series
Yeow Meng Thum, NWEA

Summer Learning Loss and Student Learning Trajectories
Megan Kuhfeld, NWEA

Estimating School Value-Added Using a Student Growth Model: Implications for Practice and Policy
James Soland, NWEA

Dynamic Measurement Modeling:
Using Nonlinear Growth Models to Estimate Student Learning Capacity
Denis Dumas*, University of Denver, and Daniel McNeish, Arizona State University

Discussant: Benjamin R. Shear, University of Colorado - Boulder

8I. Paper Session
Research Methods
Propensity Scores, Variable Selection, and Complex Data
Salon 4 - Park Hyatt Hotel, Ballroom Level

Chair: Daniel McCaffrey, Educational Testing Service

Propensity Score Analysis with Complex Survey Data:
When Treatment Effects Are Heterogeneous across Strata and Clusters
Trang Quynh Nguyen* & Elizabeth A. Stuart, Johns Hopkins University

How Conditioning on Pretests of the Outcome Removes or Even Increases Bias in Effect Estimates from Observational Data
Yongnam Kim* & Peter M. Steiner, University of Wisconsin - Madison

A New Method for Variable Selection with Random Forests in a Conditional Independence Framework
Bryan Keller* & Tianyang Zhang, Columbia University

Diminishing Propensity Score Calipers
Ben Hansen, University of Michigan

SATUREDAY MARCH 3, 2018
8:00 AM - 9:30 AM: Session 9

9A. Paper Session
Enhancements in Language and Literacy
Salon 4 - Park Hyatt Hotel, Ballroom Level

Chair: Doug Frye, University of Pennsylvania

Language Interventions for Improving the L1 and L2 Development of Dual Language Learners in Early Education and Care: A Meta-Analysis
Franziska Egert*, State Institute of Early Childhood Research, Steffi Sachse, Heidelberg University of Education, and Katarina Groth, German Youth Institute

Teaching Young Children with DLD to Produce Causal Adverbials Within a Science Curriculum: A Single Case Design Study
Maura Curran* & Amanda Owen Van Horne, University of Delaware

Self-Regulation Predicts Both State and Trait Effects of Early Literacy
M. Paula Daneri, New York University

9B. Paper Session
Innovations in Teacher Preparation & Education
The Impact of STEM: From High School and Community College into the Workplace
Drawing Room 2 - Park Hyatt Hotel, Ballroom Level

Chair: Naa Ammah-Tagoe, SRI International

A Longitudinal Study of The Impact of Attending an Inclusive STEM High School: The Case for Using Two Comparison Groups

Strengthening the Research Base That Informs STEM Workforce Development and Curriculum Improvement Efforts: A Meta-Analysis
Kathleen Lynch*, Heather Hill, Kathryn Gonzalez, & Cynthia Pollard, Harvard University

The Impact of Community College Math Remediation Using a Regression Discontinuity Analysis: Assessing Student Enrollment, Degree Completion and STEM Major Outcomes
Rosalia Zarate, Stanford University
9C. Paper Session
Research ↔ Practice in Local Educational Agencies
Often Escaping Measure: Factors with Enduring Impacts
Gallery 2 - Park Hyatt Hotel, Ballroom Level
Chair: Lindsay C. Page, University of Pittsburgh

The Big Problem with Little Interruptions: How External Intrusions Disrupt Classroom Learning
Matthew A. Kraft* & Manuel Monti-Nassbaum, Brown University

Effective SEL Programs for Student Behavior
Elizabeth Kim*, Johns Hopkins University, Eunkyoung Park, Iowa State University, and Robert Slavin, Johns Hopkins University

Making the Most of School Vacation: A Field Experiment of Small Group Instruction
Beth Schueler, Harvard University

9D. Panel
Research ↔ Practice: University-Based Collaborations
What Matters for District Learning? Exploring the Conditions That Lead to Greater Use of Research in Two Research-Practice Partnerships
Gallery 3 - Park Hyatt Hotel, Ballroom Level
Moderator: Paula Arce-Trigatti, Rice University

Caitlin Farrell, University of Colorado - Boulder
Kyle Fagan, REL Midwest
Carl Frederick, Wisconsin Department of Public Instruction
Erin Henrick, Vanderbilt University

9E. Panel
Research ↔ Practice at the National Level
Informing Improvement: Strengthening the Use, Utility and Value of Program Evaluations
Dumbarton - Fairmont Hotel, Floor 3
Moderator: Ash Vasudeva, Carnegie Foundation for the Advancement of Teaching
Norma Ming, San Francisco Unified School District
David Silver, RTI International
Vivian Tseng, William T. Grant Foundation

9F. Invited Panel
Research ↔ Practice at the National Level
Evidence Reviews in Education: How Far Have We Come, and Where Should We Be Going?
Gallery 1 - Park Hyatt Hotel, Ballroom Level
Moderator: Harris Cooper, Duke University
Sir Kevan Collins, Education Endowment Foundation
Robert Slavin, Johns Hopkins University
Jeff Valentine, University of Louisville
Sandra Jo Wilson, Abt Associates

9G. Panel
Education and Life Cycle Transitions
Research-Practice Partnerships to Improve Community College Student Success: A New Wave of Developmental Education Research
Salon 2 - Park Hyatt Hotel, Ballroom Level
Moderator: Christopher Mazzeo, Education Northwest
Phillip Herman, REL Pacific
John Hughes, REL Southeast
Jessica Brathwaite, Community College Research Center
9H. Panel
Educational Effectiveness in Global Contexts & Early Childhood Education
Bringing New Tools to Evidence-Based
Early Childhood Practices and Programs in Global Contexts
Drawing Room 1 - Park Hyatt Hotel, Ballroom Level

Moderator: Kimberly Boller, Mathematica Policy Research

Jennifer LoCasale-Crouch, University of Virginia
MaryCatherine Arbour, Brigham and Women's Hospital
Laura Meyer, Mathematica Policy Research

9I. Paper Session
Research Methods
The Nuts & Bolts of Data Collection and Interpretation
Sulgrave - Fairmont Hotel, Floor 3

Chair: A. Brooks Bowden, North Carolina State University

Variation in Motivational Appeals to Survey Completion: Lessons from a Randomized Experiment with Teachers
Robert Nathenson* & Jonathan Supovitz, University of Pennsylvania

Translating Standardized Education Program Effects into More Interpretable Metrics
Matthew Baird* & John Pane, RAND

Building Survey Methodology Rigor in Education Agencies
Jill Walston, American Institutes for Research

Saturday March 3, 2018 8:00 AM - 9:30 AM: Session 9
Saturday March 3, 2018 10:00 AM - 12:00 PM: Session 10

10A. Symposium
Early Childhood Education & Educational Effectiveness in Global Contexts
Rigorous and Relevant: Research to Inform
Early Childhood Education Practices in Low and Middle-Income Countries
Drawing Room 1 - Park Hyatt Hotel, Ballroom Level

Organizer: Lauren Pisani, Save the Children

Cluster-Randomized Clinical Trial and Process Evaluation of the Youth Leaders for Early Childhood Assuring Children Are Prepared for School (LEAPS) Program in Rural Pakistan
Angelica Ponguta, Yale University

Evidence-Based Strategies to Improve Pre-Primary Education and Learning Outcomes in Ghana
Sharon Wolf*, University of Pennsylvania, J. Lawrence Aber, New York University, and Jere R. Behrman, University of Pennsylvania

Effectiveness of Community-Based Pre-Primary Education Delivered by Community Health Workers for Children's Cognitive Development in Bhutan
Lauren Pisani, Save the Children

Discussant: Julieta Trias, World Bank

10B. Panel
Innovations in Teacher Preparation & Education & Research ↔ Practice in Local Educational Agencies

A Model for Practitioner-Researcher Partnerships That Foster Professional Learning from Research Evidence in Early Childhood Education Settings
Salon 2 - Park Hyatt Hotel, Ballroom Level

Moderator: Kirsten Kainz, University of North Carolina - Chapel Hill
Noreen Yazejian, University of North Carolina - Chapel Hill
Sandy Soliday Hong, University of North Carolina - Chapel Hill
Shannon Guss, University of Oklahoma - Tulsa
10C. Paper Session
Research ↔ Practice in Local Educational Agencies
The Math Is the Message: Scripted Mathematics Resources and Student Achievement
Sulgrave - Fairmont Hotel, Floor 3
Chair: Darryl V. Hill, Fulton County Schools

Never Judge a Book by Its Cover: Evaluating Mathematics Textbooks Against Gains in Student Achievement
David Blazar*, University of Maryland - College Park, Thomas J. Kane, Harvard University, Morgan Polikoff, University of Southern California, Dan Goldhaber, University of Washington, Kris Holden, American Institutes for Research, Matt Naven & Michal Kurlaender, University of California - Davis

Effects of a School-Community Math Intervention Partnership
David Parker*, Peter Nelson, & Patrick Kaiser, ServeMinnesota

Building Mathematical Identity After School: Year 1 of a Cluster-Randomized Trial
Andrea Beesley*, IMPAQ International, Cheri Fancsali, Research Alliance for New York City Schools, and Michaela Gulemetova, IMPAQ International

The Impact of a Research-Based Intervention on the Proportional Reasoning of Seventh-Grade Students with Mathematics Difficulties: A Regression Discontinuity Analysis
Soo-hyun Im*, Asha K. Jitendra, Michael R. Harwell, Stacy R. Karl, & Susan C. Slater, University of Minnesota

10D. Symposium
Research ↔ Practice: University-Based Collaborations
The Promise of Low-Cost Interventions in Education
Gallery 3 - Park Hyatt Hotel, Ballroom Level
Organizer: Carly D. Robinson, Harvard University

How an Artificially Intelligent Virtual Assistant Helps Students Navigate the Road to College
Lindsay C. Page*, University of Pittsburgh, and Hunter Gehlbach, University of California - Santa Barbara

Reducing Student Absenteeism in the Early Grades by Targeting Parental Beliefs
Carly D. Robinson*, Harvard University, Monica G. Lee, Stanford University, Eric Dearing, Boston College, and Todd Rogers, Harvard University

Improving College Instruction through Incentives
Sally Sadoff, University of California - San Diego

Is Technology Useless? Impact of Actionable Information Delivered to Parents and How to Increase Demand for It
Todd Rogers*, Harvard University, and Peter Bergman, Columbia University

Discussant: Chris Hulleman, University of Virginia
10E. Paper Session
Research ↔ Practice at the National Level &
Educational Effectiveness in Global Contexts
Ahead of the Curve: Early Matters in Education
Gallery 1 - Park Hyatt Hotel, Ballroom Level

Chair: Marsha Silverberg, Institute of Education Sciences

Equality of Educational Opportunity in the Land of School Choice: Evidence from National Data
Francis Pearmen* & Lori Delale-O’Connor, University of Pittsburgh

Kindergarten Based Lottery Evaluation of Core Knowledge Charter Schools
David Grissmer* & Tom White, University of Virginia, Hank Murah, Auburn University,
Mark Berends, University of Notre Dame, and Michelle Ko, University of Virginia

Investigating the Impact of Child Care Subsidies on Maternal Education Increases
Owen Schochet* & Anna Johnson, Georgetown University

The Effects of Early Entrance to Primary School on Educational Quality:
Evidence from Brazilian Compulsory Schooling Reform
Hanbyul Ryu, University of California - Riverside

10F. Paper Session
Education and Life Cycle Transitions
Data Informed Interventions: Evidence from Randomized Trials
Gallery 2 - Park Hyatt Hotel, Ballroom Level

Chair: Christopher Mazzeo, Education Northwest

Getting Students on Track for Graduation:
First-Year Impact of the Early Warning Intervention and Monitoring System
Ann-Marie Faria*, Nicholas Sorensen, Jessica Heppen,
Jill Bowdon, & Ryan Eisner, American Institutes for Research

Beyond One Size Fits All: Evidence from a Randomized Trial of Multi-Tiered System of Supports
Matthew A. Lenard* & Dina Bulgakov-Cooke, Wake County Public Schools

The BARR Model Impacting 9th Grade Educational Outcomes:
Final Results from a Three-Year Randomized Controlled Trial
Trisha Borman* & Johannes Bos, American Institutes for Research,
Maryann Corsello, University of New England, Brenna O’Brien, So Jung Park, &
Feng Liu, American Institutes for Research, and Angela Jerabek, St. Louis Park School District

10G. Paper Session
Research Methods
Planning Non-Experimental Studies
Salon 4 - Park Hyatt Hotel, Ballroom Level

Chair: Bryan Keller, Columbia University

Verifying the Accuracy of Null Hypothesis Significance Tests Using the R Package Statcheck:
New Applications in Meta-Analysis
Joshua Polanin*, Development Services Group, and Michèle B. Nuijten, Tilburg University

Planning Evaluations of Interventions with Required and Optional Components:
Instrumental Variable (IV) Estimation and Sample Size Requirements
Eric Hedberg*, NORC, and Dayna Long, UCSF Benioff Children’s Hospital Oakland

Methods of Reducing Bias in Time Series Designs: A Within Study Comparison
Kylie Anglin, Katherine Miller-Bains*, & Vivian C. Wong, University of Virginia,
and Coady Wing, Indiana University

10H. Paper Session
Research Methods
New Developments in Hierarchical Linear Models
Dumbarton - Fairmont Hotel, Floor 3

Chair: Tracy M. Sweet, University of Maryland - College Park

Incorporating Complex Sampling Weights in Multilevel Modeling in Education
Ting Shen* & Spyros Konstantopoulos, Michigan State University

A Model for Time-Varying Cumulative Classroom/Teacher Effects on Students’ Growth
Mark Lai*, University of Cincinnati, and Oi-man Kwok, Texas A&M University

GEE or HLM: Which Is the Right Choice?
Wenjuan Ma*, Bing Tong, & Frank Lawrence, Michigan State University
Educational Effectiveness in Global Contexts
Presentations with an international perspective are distributed across the program:
1G: How NGO’s Develop & Use Evidence on SEL Interventions in Conflict-Affected Countries
2G: Effectiveness of Interventions to Improve Early Grade Outcomes: Evidence from 4 Countries
4H: From Evidence Generation to Use: Education Research in the US and UK
5G: Distributional Effects of Life-Wide Learning: Evidence from a Field Experiment in Rwanda
6E: From Randomized Evaluations to Policy Influence: Insights from 3 Nations
6G: Improving Educational Quality and Learning Outcomes in Ghana: Evidence from 3 RCTs
7C: Will They Stay, or Will They Go? Experimental Impacts of Teacher Accountability Systems
8A: New Directions in Early Mathematics
8E: Education Effectiveness Research in the UK: A Conversation with Sir Kevan Collins
8G: Developing, Adapting, and Testing a Research- and Practice-Based Innovation in SEL
9H: Bringing New Tools to Evidence-Based Early Childhood Practices and Programs
10A: Rigorous and Relevant: Research to Inform Early Childhood Education Practices
10E: Ahead of the Curve: Early Matters in Education

Program Notes

Presenting Author
An asterisk* designates the individual presenting a paper or poster.

Symposia
Symposia in the conference program were either:
(a) accepted through the peer review process, or
(b) organized by the conference program committee.
All symposia sessions, including those designated Invited Symposium, are open to all conference participants. Each symposium includes a session organizer and an independent discussant.

Panels
Panels are discussions, led by a moderator, which include audience participation.
Panels in the conference program were either:
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All panel sessions, including those designated Invited Panel, are open to all conference participants. Each panel includes a moderator and panelists.

Individual Papers
Individual papers with a similar focus that were accepted through the peer review process were assembled into a session by the program committee. A session chair was invited by the program committee to manage the session.
Ballroom Level
Park Hyatt Hotel

Floor 3 Meeting Rooms
Fairmont Hotel

TO ELEVATORS
(via hallway overlooking lobby)
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Commentaries
Even More Challenges in Building Usable Knowledge in Education
Judith D. Singer

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John Q. Easton

Developing Optimized Adaptive Interventions in Education
Daniel Almirall, Connie Kasari, Daniel F. McCaffrey, and Inbal Nahum-Shani

Intervention, Evaluation, and Policy Studies
Does Fidelity of Implementation Account for Changes in Teacher–Child Interactions in a Randomized Controlled Trial of Banking Time?
Jennifer LoCasale-Crouch, Amanda Williford, Jessica Whittaker, Jamie DeCoster, and Pilar Alamos

Efficacy of the Check & Connect Mentoring Program for At-Risk General Education High School Students
Jessica B. Heppen, Kristina Zeiser, Deborah J. Holtzman, Mindee O’Cummings, Sandra Christenson, and Angie Pohl

The Impact of Teacher Study Groups in Vocabulary on Teaching Practice, Teacher Knowledge, and Student Vocabulary Knowledge: A Large-Scale Replication Study
Madhavi Jayanthi, Joseph Dimino, Russell Gersten, Mary Jo Taylor, Kelly Haymond, Keith Smolkowski, and Rebecca Newman-Gonchar

Findings From a Multiyear Scale-Up Effectiveness Trial of Open Court Reading
Michael Vaden-Kiernan, Geoffrey Borman, Sarah Caverly, Nance Bell, Kate Sullivan, Veronica Ruiz de Castilla, Grace Fleming, Debra Rodriguez, Chad Henry, Tracy Long, and Debra Hughes Jones

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Bounding, An Accessible Method for Estimating Principal Causal Effects, Examined and Explained
Luke Miratrix, Jane Furey, Avi Feller, Todd Grindal, and Lindsay C. Page

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