

## Society for Research on Educational Effectiveness

Advancing Research Important for Education

# Conference Agenda Annual Research Conference

March 2-4, 2008 Hyatt Regency Hotel, Crystal City, Virginia

## **MARCH 2, 2008**

1:00-5:00 Pre-Conference Workshops (see conference web-site)

**Session A:** Analysis of Randomized Field Trials in School Settings – Washington A Larry V. Hedges, Institute for Policy Research, Northwestern University Spyros Konstantopoulos, School of Education and Social Policy, Northwestern University

**Session B:** The Planning and Implementation of Randomized Field Trials in School Settings – Washington B

Jeanne Poduska, Principal Research Scientist, American Institutes for Research Michael S. Garet, Chief Research Scientist, American Institutes for Research Linda Chinnia, Former Chief Academic Officer, Baltimore City Public School System

5:30-6:30 Conference Opening & Plenary Session – Regency Ballroom A/B

## **Keynote Address**

The Political Dilemmas Associated with Demonstrating that Certain Kinds of Quasi-Experiments Routinely Reproduce Results of Randomized Experiments

#### Thomas D. Cook

Joan and Serepta Harrison Chair in Ethics and Justice Department of Sociology and Center Northwestern University

6:30-8:00 Reception Atrium

7:30-8:45	Continental Breakfast
7:30-8:30	<b>Graduate Student and Early Professionals Planning Meeting</b> (Kennedy Room)
8:45-9:00	Conference Welcome & Overview Mark A. Constas, Cornell University
9:00-10:30	Paper Sessions

**Science/Math Paper Session:** The Impact of Teacher Professional Development, Curriculum, and Technology in Mathematics and Science (9:00-10:30, Kennedy Room)

The Impact of Professional Development for Inquiry Teaching on Elementary
Science Achievement: First-Year Results from a Randomized Trial
Geoffrey Borman, Adam Gamoran & Jill Bowdon, University of Wisconsin, Madison

Using an Integration of Technology, Curriculum, and Teacher Professional Development at Scale to Improve Student Learning of Important Middle School Mathematics

Jeremy Roschelle, SRI International, Deborah Tatar, Virginia Tech, Nicole Shechtman, SRI International & Stephen Hegedus, University of Massachusetts, Dartmouth

Chair/Discussant: Joan Herman, Center for Research on Evaluation Standards and Student Testing

**Reading/Writing Outcomes Symposium:** Different Approaches to Evaluating Reading First (9:00-10:30, Lincoln Room)

Findings from the National Study of the Implementation of Reading First Beth Boulay & Marc Moss, Abt Associates, Inc

Studying Relationships between Classroom Reading Instruction and Student Reading Achievement for the Reading First Impact Study

Howard Bloom & Pei Zhu, MDRC, Fatih Unlu, Robin Jacob, & Beth Gamse, Abt Associates, Inc.

Chair/Discussant: Barbara Schneider, Michigan State University

**Social/Behavioral Outcomes Symposium:** Design and Results from School-Based Randomized Control Trials of Three Social and Character Development Programs (9:00-10:30, Roosevelt Room)

An Experimental Evaluation of Three-Years of Implementation of an Elementary School Social Competency Instructional Program

Gary Gottfredson, Allison Nebbergall, Joseph Nese, Elise Harak & Fortune Shaw, University of Maryland

Evaluation of the School-Wide Academic and Behavioral Competencies (ABC) Program: Year 1 Results and Year 2 Fidelity

William Pelham, State University of New York, Buffalo, Greta Massetti, Centers for Disease Control & Daniel Waschbusch, State University of New York, Buffalo

A School-based Randomized Trial of Three Years of the Positive Action Program in Chicago City Schools

Brian Flay, Oregon State University, David L. Dubois & Peter Ji, University of Illinois at Chicago

Chair: Caroline Ebanks, Institute of Education Sciences, U.S. Department of Education

Discussant: Marc Atkins, Professor of Psychology in Psychiatry, and Director of Psychology Training, Institute for Juvenile Research, University of Illinois at Chicago

**Research Methodology Paper Session:** Philosophical Issues in Studies of Educational Effectiveness (9:00-10:30, Jefferson Room)

Statistical Considerations in a Counterfactual Theory of Causation for Non-Experimental Studies: The Problem of Weak Exogeneity

David Kaplan, University of Wisconsin, Madison

Argumentative Claims, Evidence and Warrant and Causal Claims in Education Research

Anthony Kelly, George Mason University

Chair/Discussant: Tom Cook, Northwestern University

10:30-10:45 Break

**10:45- 12:15** Paper Sessions

**Reading/Writing Outcomes Symposium:** Randomized Evaluations of Technology Infusion in Early Literacy Instruction (10:45-12:15, Roosevelt Room)

The Effects of Technology Infusion on Reading Outcomes of First Graders
Philip Abrami, Concordia University, Bette Chambers, Robert Slavin & Nancy Madden,
Johns Hopkins University and University of York

**(Cont) Reading/Writing Outcomes Symposium:** Randomized Evaluations of Technology Infusion in Early Literacy Instruction (10:45-12:15, Roosevelt Room)

Effects of Embedded Multimedia on the Reading Achievement of First Graders
Bette Chambers, Nancy Madden, & Robert Slavin, Johns Hopkins University and
University of York

The World of Words: Embedded Multimedia Vocabulary Intervention for At-Risk Preschoolers

Susan B. Neuman and Jeanne Friedel, University of Michigan

Chair/Discussant: Marilyn Jager Adams, Soliloquy Learning, Inc.

**Social/Behavioral Outcomes Paper Session:** Findings From Large-Scale Studies and Secondary Data Analysis (10:45-12:15, Lincoln Room)

The Effects of a Flexible State-Level Conflict Resolution Program on Problem Interpersonal Behavior in Middle Schools

Mark Lipsey & Wendy Garrard, Vanderbilt Institute for Public Policy Studies

Bullying the Nerds: How Anti-Engagement Peer Norms in American Secondary Schools are Enforced

John Bishop, Cornell University, Michael Bishop, University of Chicago

Chair/Discussant: TBA

**Science/Math Outcomes Paper Session:** Catholic Schools, Title I, and Achievement Trajectories in Elementary Reading and Mathematics (10:45-12:15, Jefferson Room)

The Effect of Catholic Schooling on Math and Reading Development in Kindergarten through Fifth Grade

Sean Reardon, Stanford University, Jacob Cheadle, University of Nebraska-Lincoln & Joe Robinson, Stanford University

Children's Self Regulation as a Significant Predictor of High Stakes State Testing
Dale C. Farran, Vanderbilt University, Gary Lange & Carolyn Boyles, University of
North Carolina, Greensboro

Chair/Discussant: Roger Chesswas, Pacific Resources for Education and Learning

**Research Methodology Paper Session:** Mediation of Experiments (10:45-12:15, Kennedy Room)

The Reliability of Group-Level Measures and the Power of Group-Randomized Studies Stephen W. Raudenbush, University of Chicago, Andres Martinez, University of Michigan, Howard Bloom, Pei Zhu, MDRC, and Fen Lin, University of Chicago

(Cont) Research Methodology Paper Session: Mediation of Experiments (10:45-12:15, Kennedy Room)

Rigorous Measurement of Fidelity of Implementation of Instructional Materials
Jeanne Century, University of Chicago

Chair/Discussant: Larry V. Hedges, Northwestern University

**Research Methodology Paper Session:** Statistical/Analytic Issues in Studies of Educational Effectiveness I (10:45-12:15, Arlington Room)

Effect Sizes for Achievement Outcomes: Using Empirical Benchmarks to Interpret Practical Significance

Howard Bloom, MDRC, Mark Lipsey, Vanderbilt University, Carolyn Hill, Georgetown University Alison Rebeck Black, MDRC

Experimental Designs and Statistical Power of Group Randomized Trials Funded by the Institute of Education Sciences

Jessaca Spybrook, Western Michigan University

Chair/Discussant: Peter Steiner, Northwestern University & Institute for Advanced Studies, Vienna, Austria

12:30-2:00 Lunch

12:30-3:30 Funding and Publications Exhibits

**SREE Publications** (12:30-3:30 – Atrium)

The Journal of Research on Educational Effectiveness Taylor and Francis Publications Editors- Barbara Foorman, Florida State University Larry V. Hedges, Northwestern University

**Funding Agencies** (12:30-3:30 Atrium)

The Institute of Education Sciences

The National Institute for Child Health and Human Development, National Institutes of Health

The National Science Foundation

### **2:00-3:30 Poster Session** (Regency Foyer)

Identifying thresholds of preschool quality that maximize children's development Anne E. Henry, Andrew Mashburn, University of Virginia, Kevin Grimm, University of California, Davis & Robert Pianta, University of Virginia

Proximal Processes in Preschoolers' Word Learning from Classroom Storybook Sessions Olivia K. Lima, University of Virginia

The Role of Family Background in Predicting the Vocabulary and Reading Comprehension: Performance of Struggling Readers in the Elementary Grades
Endia J. Lindo, Georgia State University

Effects of Web-Mediated Teacher Professional Development on Children's Language and Literacy Development

Robert Pianta, Andrew Mashburn, Amy Luckner, Sonya Myers, Carolyn Kilday, and Jason Downer, University of Virginia

Remediation of Older Students with Reading Difficulties: Response to Intervention through Classroom Instruction and Interventions

Jade Wexler, University of Texas, Austin and \*Jeanne A. Wanzek, Florida State University

The Relative Effects of Repeated Reading, Wide Reading, and a Typical Instruction Comparison Group on the Comprehension, Fluency, and Word Reading of Adolescents with Reading Disabilities

Jade Wexler, University of Texas, Austin

(Lack of) Support for Prescriptive Statements in Teacher Education Textbooks

Daniel H. Robinson, Breana Sylvester Dacy, Priya Nihalani, & Christina Cestone,
University of Texas, Austin

Three methods of identifying randomized studies for an international registry of trials: a head to head comparison

Philip Sirinides, University of Pennsylvania

What is the relationship among pre-service teachers' personality characteristics, adult attachment style, and observed classroom quality?

Michael B. Ripski, & \*Jennifer Locasale-Crouch, University of Virginia

Parental involvement in schooling: What types work for low-achieving adolescents and what does this mean for schools?

Wei-Bing Chen & Anne Gregory, University of Virginia

#### **3:30-5:00 Paper Sessions**

## **Dropout Prevention and School Completion Paper Session:** (3:30-5:00, Roosevelt Room)

Getting Kids to Stay in and Complete School: What Does Research Tell Us About What Works?

Robert G. Wood, Mathematica Policy Research, Inc.

Evaluating the Effects of Career Academies James Kemple, MDRC

Chair/Discussant: John Tyler, Brown University

**Reading/Writing Paper Session:** Early Childhood Interventions in Reading and Writing (3:30-5:00, Kennedy Room)

Evaluating the Effectiveness of Read Well Kindergarten

Barbara Gunn and Keith Smolkowski, Oregon Research Institute & Patricia Vadasy, Washington Research Institute

Paper #2, TBA

Chair/Discussant: Karen Douglas, Director of the Status of Reading Instruction Institute, International Reading Association

### **Research Methodology Paper Session:** (3:30-5:00, Lincoln Room)

Statistical Inference When Classroom Causality is Measured with Error Steve Raudenbush, University of Chicago

Covariates that Effectively Control for Selection Bias in Observational Studies: Results of a Within-Study Comparison.

Peter M. Steiner, Northwestern University & Institute for Advanced Studies, Vienna, Austria, Thomas D. Cook, Northwestern University, William R. Shadish, University of California, Merced & M.H. Clark, Southern Illinois University, Carbondale

Quantifying Statistical Control: Developing a Quantitative Equivalency between Quasi and Randomized Experiments

Kenneth A. Frank, Michigan State University, Minh Duong, Michigan State University, Spiro Maroulis, Michigan State University & Ben Kelcey, University of Michigan

Chair/Discussant: David Kaplan, University of Wisconsin

### **Research Methodology Paper Session:** Analytic Methods (3:30-5:00, Jefferson Room)

Scaling Scores on District Level Tests for Estimating Growth Relative to State Performance Standards

Paul Yovanoff, Leanne Ketterlin-Geller & Gerald Tindal, University of Oregon

(Cont) Research Methodology Paper Session: Analytic Methods (3:30-5:00, Jefferson Room)

Can we project future proficiency? Examining the Measures used in the Federal Growth Model Pilot Program

Michael Weiss, University of Pennsylvania

Comparing experimental and propensity score estimates of program impact using Project STAR data: A different take than Wilde and Hollister

Russell Cole, University of Pennsylvania

A comparison of propensity score analysis to analysis of covariance in treatment group bias reduction in quasi-experimental designs

Laura K. Williams, Vanderbilt University

Chair/Discussant: Judy Singer, Harvard University

5:00-6:00 Plenary Session – Regency Ballroom A/B

### **Keynote Address**

Randomized Field Trials, Social Policy and Challenges for the Field of Education

#### **Judith Gueron**

President Emeritus and Independent Scholar MDRC

**6:00-7:00 Reception – Atrium** 

7:30-9:00 Early Career Network Training Opportunity

Strategies for Research Funding

Lynn Okagaki, Commissioner, National Center for Education Research, Institute of Education Sciences (Roosevelt Room)

#### **TUESDAY MARCH 4, 2008**

7:00-8:45 Continental Breakfast

**8:45-10:15:** Paper Sessions

**Pre-Kindergarten Outcomes Symposium Part I:** Do Early Childhood Curricula Improve School Readiness? (8:45-10:15, Kennedy Room)

(Cont) Pre-Kindergarten Outcomes Symposium Part I: Do Early Childhood Curricula Improve School Readiness? (8:45-10:15, Kennedy Room)

The Impact of Head Start on Children's School Readiness

Ronna J. Cook, Westat, Jennifer L. Brooks, Administration for Children and Families, US Department of Health and Human Services, Michael Puma, Chesapeake Research Associates, Inc., Stephen Bell, Abt Associates, Inc.& Camilla Heid, Westat

The Effect of Creative Curriculum Training and Technical Assistance on Head Start Classroom Quality

Richard G. Lambert, UNC Charlotte, Megan O'Donnell, Arizona State University, & Martha Abbott-Shim, Sheltering Arms Early Education and Family Centers

Development and Evaluation of a Pre-Kindergarten Mathematics Intervention for Economically Disadvantaged Children

Alice Klein, Prentice Starkey, Roopa Iyer & Tracy Nishida, University of California, Berkeley

Impacts of a Research-Based Early Childhood Curriculum: Results of Two Randomized Evaluations

Christopher J. Lonigan, Beth M. Phillips, Florida State University, JoAnn M. Farver, University of Southern California & Christopher Schatschneider, Florida State University

Chair/Discussants: Susan Landry, University of Texas, Houston, Thomas D. Cook, Northwestern University

**Reading/Writing Outcomes Symposium:** Teacher Quality Research: Effects of Three Professional Development Models on Instructional Practices and Student Outcomes in Reading (8:45-10:15, Jefferson Room)

Using Technology to Support Teachers' Effective Literacy Practice
Carol M. Connor, Phyllis Underwood and Christopher Schatschneider, Florida State
University, Fred Morrison & Barry Fishman, University of Michigan

Impact of Teacher Study Groups on Observed Teacher Practice and Student Vocabulary
Comprehension for First Grade Teachers: Results of Large-Scale Randomized Control Trials
Russell Gersten, Instructional Materials Group, Joe Domino, Madhavi Jayanthi, James
Kim, Harvard University & Lana Santoro, Instructional Materials Group

Examining the Effects of a Content and Case-based Professional Development Model on Teachers' Practices and Students' Comprehension and Content Acquisition
Sharon R. Vaughn, University of Texas, Deborah Simmons, William Rupley, Victor Wilson, Texas A&M University, Meaghan Edmonds, University of Texas, Austin & Angie Hairrell, Texas A & M University

Chair/Discussant: Sharon Vaughn, University of Texas, Austin

**Science/Math Symposium:** Instructional Conditions in Charter Schools and Student Achievement Growth (8:45-10:15, Lincoln Room)

Charter School Effects in an Urban School District: An Analysis of Student Achievement Growth, Parent Involvement and School Climate

Marc Stein, Ellen Goldring & Genevieve Zottola, Vanderbilt University

Differences between Charter School and Traditional Public Schools in Instructional Practices and Curricular Alignment to Standards and Tests

Mark Berends & Marc Stein, Vanderbilt University, John Smithson, University of Wisconsin-Madison

Instructional Conditions in Charter Schools and Student Achievement Growth Mark Berends, Ellen Goldring, Marc Stein & Xiu Cravens Vanderbilt University

Chair/Discussant: Ron W. Zimmer, RAND Corporation

**Research Methodology Symposium -** Methodological Issues in Systematic Reviews of Research on Educational Programs (8:45-10:15, Roosevelt Room)

Understanding Bias Due to Measures Inherent to Treatments in Systematic Reviews in Education Nancy A. Madden, University of York & Robert E. Slavin Johns Hopkins University

Comparing Randomized and Matched Experiments in Education: When do Results Differ? Carole Torgerson, University of York

Effects of Sample Size on Effect Sizes in Systematic Reviews in Education Robert Slavin, Johns Hopkins University

Chair/Discussant: Harris Cooper, Duke University

10:15-10:30: Break

**10:30-12:00 Paper Sessions** 

**Pre-Kindergarten Outcomes Symposium Part II:** Do Early Childhood Curricula Improve School Readiness (10:30-12:00, Kennedy Room)

Early Literacy Promotion in Head Start Classrooms

Janet E. Fischel & Stacey Storch Bracken, Stony Brook University

Promoting Social-Emotional Learning in Young Children: The Preschool PATHS Curriculum

Celene Domitrovich, Mark Greenberg, Karen Bierman, Rebecca Cortes & Carol Kusche, Pennsylvania State University

Chair/Discussants: Susan Landry, University of Texas, Houston, Tom Cook, Northwestern University

Social/Behavioral Symposium: Day to Day Classroom Influences that Promote Children's Social Competence: Findings From Large-Scale Studies and Secondary Data Analysis (10:30-12:00, Roosevelt Room)

Teacher Practices that Reduce Peer Rejection in the Classroom Amori Yee Mikami, University of Virginia

Parent Involvement in Schooling: Supporting Children's Academic and Social Competence in the School Context

Wendy L. G. Hoglund, Juliette Berg, New York University, Stephanie M. Jones, Joshua L. Brown, Fordham University & J. Lawrence Aber, New York University

Efficacy of the Responsive Classroom Approach, a Social and Emotional Learning Intervention, for Improving Children's Academic Achievement
Sara Rimm-Kaufman, University of Virginia

Chair/Discussants: Amori Yee Mikami, University of Virginia Susanne Denham, George Mason University

### **Dropout Prevention and School Completion Paper Session:** (10:30-12:00, Jefferson Room)

Paying for Persistence: Final Results of an Incentive Scholarship Program for Low Income Parents Attending Community College

Thomas Brock, MDRC, \*Lashawn Richburg-Hayes, MDRC & Cecilia Rouse, Princeton University

A Good Start: Two-Year Impacts from the Learning Community Demonstration at Kingsborough Community College

Susan Scrivener, Senior MDRC.

Chair/ Discussant: Barbara Schneider, Michigan State University

## **Reading/Writing Paper Session** (10:30-12:00, Lincoln Room)

Lights! Camera! Captions!: Adapted and Interactive Video Instruction for Students with Intellectual Disabilities

Anna Evmenova, Michael Behrmann, George Mason University

Student Achievement in a Randomized Control Trial of Full-Day and Half-Day Kindergarten Jonathon Plucker, Courtney Brown, and Matthew Makel, Indiana University

Scaling Up Assessment-Driven Instruction: Timing of Early Screening in Kindergarten Kristi Santi, The Santi Group, Barbara Foorman, Florida State University, Mary York & David Francis, University of Houston

Chair/Discussant: Carol M. Connor, Florida State University

**Research Methodology Paper Session:** Statistical/Analytic Issues in Studies of Educational Effectiveness II (10:30-12:00, Arlington Room)

Calculating Long-Run Impacts in RCTs That Release the Control Group into the Intervention Condition Prior to the End of Follow-Up

Stephen H. Bell & M.C. Bradley, Abt Associates, Inc.

Navigating Ethical and Compliance Issues in Developing Causal Conclusions from Randomized Field Trials in Education: A Case Study

Brian W. Junker, Carnegie Mellon University; Lauren B. Resnick, Lindsay Clare Matsumura, Donna Bickel, Helen Garnier and Kathleen McCarthy Young, University of Pittsburgh

Constructing a More Powerful Test in Three-Level Cluster Randomized Designs Spyros Konstantopolous, Northwestern University

Chair/Discussant: TBA

12:00-1:00 Plenary Session – Regency Ballroom A/B

## **Keynote Address**

The Future of Education Research

### Grover W. Whitehurst

Director
Institute of Education Sciences
U.S. Department of Education

1:00-2:00 Lunch – Independence Hall

2:00-3:30 Paper Sessions

**Social/Behavioral Outcomes Paper Session:** (2:00-3:30, Kennedy Room)

Gender Differences in Bullying/Victimization Among Students with Emotional Disturbance Deborah Carran, Johns Hopkins University & Millicent Kellner, CPC Behavioral Healthcare

Black-White Differences in Noncognitive Skills at High School Entry John Tyler, Brown University

Chair/Discussant: David Myers, American Institutes of Research

**Science/Math Paper Session**: The Impact of Teachers and Instruction in Reading and Mathematics (2:00-3:30, Jefferson Room)

Do Teacher Effects Persist through Grade 3? Evidence from Project STAR Spyros Konstantopoulos, Northwestern University

Consequences of Requiring "Double-Dose" Algebra Coursework: Evidence from Chicago Public Schools

Takako Nomi and Elaine M. Allensworth, University of Chicago

The Impact of Benchmark Assessments Aligned with State Standards on Student Achievement Sue Henderson, Anthony Petrosino, Sarah Guckenburg and Steve Hamilton, WestEd

Chair/Discussant: Michael S. Garet, American Institutes for Research

# **Reading/Writing Paper Session:** (2:00-3:30, Lincoln Room)

A Diagnostic Teaching Intervention for Classroom Teachers: Helping Struggling Readers in Early Elementary School

Lynne Vernon-Feagan, University of North Carolina

Exploring the Relative Effectiveness of Reading interventions for High School Students
Laura Hassler Lang, Joseph K. Torgesen, Yaacov Petscher, Florida State University,
William Vogel, Carol Chanter, Seminole County Public Schools & Evan Lefsky, Florida
Department of Education

Chair/Discussant: TBA

## **Research Methodology Paper Session:** Growth Modeling II (2:00-3:30, Roosevelt Room)

Utilizing Alternative Time Series Techniques to Model Change for Children with Autism Spectrum Disorders

J. Kyle Roberts, Southern Methodist University

Trajectories of Achievement: Understanding the Profiles of Achievement Within Race Pamela Davis-Kean and Justin Jager, University of Michigan

Chair/Discussant: Russell Gersten, Instructional Materials Group

### Research Methodology Paper Session: Mediation of Intervention Effects (2:00-3:30, Arlington)

Assessing Mediated Relationships in Randomized Experiments with School Principals Ellen Goldring, Vanderbilt University, Eric Camburn, University of Wisconsin, Jason Huff, Vanderbilt University & Jim Spillane, Northwestern University

The 21st Century Classroom: A Random Assignment Study of the Impacts of Interactive Classrooms

Gary W. Ritter, Marc A. Holley, Nathan C. Jensen, Alison C. Hoffman, University of Arkansas

Chair/Discussant: Larry V. Hedges, Northwestern University

**3:30-4:00 Conference Closing & Reception:** Regency A/B & Atrium Judith D. Singer, Harvard University

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