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

The A² Fellows Program

The American Educational Research Association (AERA) and American Institutes for Research (AIR) offer the AERA–AIR (A²) Fellows Program, which seeks to encourage the development of highly skilled education researchers experienced in working on large-scale studies in major research environments.

The Fellows Program provides research and training opportunities to recent Ph.D. or Ed.D. degree recipients in fields and disciplines related to the scientific study of education and educational processes. The program also aims to increase the number of underrepresented minority professionals conducting advanced research or technical assistance.

Fellows receive an annual salary of $55,000. Up to three fellows are selected annually for two-year positions at AIR’s corporate headquarters in Washington, D.C.

To learn more about AIR and career opportunities, visit the AIR website at: www.air.org.

To learn more about the program and how to apply, visit the AERA website, www.aera.net, or the AIR website, www.air.org.
AIR Has a Significant Presence at AERA 2011 Annual Meeting

AIR has a significant presence at this year’s American Educational Research Association (AERA) Annual Meeting in New Orleans. More than 70 members of AIR’s staff will be participating in a variety of conference proceedings.

AIR is one of the nation’s leading educational research and evaluation organizations. Since its founding in 1946 as a not-for-profit organization, AIR has been devoted to providing excellence in research, analysis, technical assistance, assessment, and strategic planning to school districts, states, and the federal government, as well as to industry, organizations, and foundations. AIR is proud of the depth and reach of its education-related work, which helps advance understanding and supports improved learning across the nation and the world.

We welcome you to attend one of the many sessions in which AIR staff are participating, as outlined in the following pages of this booklet.

ABOUT THIS BOOKLET

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

JOIN AIR FOR A RECEPTION

Sunday, April 10, 2011
6:30–8:30 pm
Sheraton New Orleans Hotel
Grand Ballroom A
500 Canal Street
New Orleans, LA 70130
# Index of Presentations by Date and Time

## Thursday, April 7

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation Title</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00 am – 5:00 pm</td>
<td>Psychometrics Behind National Assessment of Educational Progress: Understanding and Analyzing NAEP Data</td>
<td><em>New Orleans Marriott / La Galerie 4</em></td>
<td>Enis Dogan</td>
</tr>
</tbody>
</table>

## Friday, April 8

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation Title</th>
<th>Location</th>
<th>Presenter</th>
<th>Co-Authors</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00 pm – 2:00 pm</td>
<td>A Statistical Approach to Identifying Schools Demonstrating Substantial Improvement in Student Learning</td>
<td><em>Sheraton / Southdown</em></td>
<td>Coby Meyers</td>
<td>Chris A. Condon, James J. Lindsay, Yinmei Wan</td>
<td>Identifying School Turnaround and Leading the Process Through Principal Leadership, External Support, and Redesign</td>
</tr>
</tbody>
</table>

**Supporting School Turnaround: How School Stakeholders Engage With External Support Providers**

- **Presenter**: Kerstin A. Carlson Le Floch
- **Co-Authors**: Molly Beth Abend, Andrea Boyle, Susan Bowles Therriault
- **Session**: Identifying School Turnaround and Leading the Process Through Principal Leadership, External Support, and Redesign

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<tbody>
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<td>2:15 pm – 3:45 pm</td>
<td>Statistical Basis for International Benchmarking by Linking State Tests to the Program for International Student Assessment (PISA)</td>
<td><em>Sheraton / Salon 820</em></td>
<td>Gary W. Phillips</td>
<td></td>
<td>International Benchmarking State Performance Standards Using the Programme for International Student Assessment (PISA)</td>
</tr>
</tbody>
</table>
Study of the Thinking Reader Software Program: Description of the Intervention and Implementation
*Doubletree / International Ballroom*

Presenters: Kathryn V. Drummond, Lindsay Fryer
Session: The Impact of Thinking Reader Software Program on Grade 6 Reading Vocabulary, Comprehension, Strategies, and Motivation

Friday, April 8
2:15 pm – 3:45 pm

Study of the Thinking Reader Software Program: Study Design and Methodology
*Doubletree / International Ballroom*

Co-Author: Kathryn V. Drummond
Session: The Impact of Thinking Reader Software Program on Grade 6 Reading Vocabulary, Comprehension, Strategies, and Motivation

Friday, April 8
4:05 pm – 6:05 pm

Achievement Gap, Construct Irrelevant Variance, Socioeconomic Status, and Background Variables in NAEP and Course-Taking Trends
*Sheraton / Oakley*

Chair: Cadelle Hemphill

AERA Ethics Committee: Closed Meeting
*New Orleans Marriott / Balcony L*

Participant: George W. Bohrnstedt
Session: AERA Governance

Deciphering Socioeconomic Status: Understanding the Association Between SES and Student Background Variables in the National Assessment of Educational Progress
*Sheraton / Oakley*

Presenter: Burhan Ogut
Session: Achievement Gap, Construct Irrelevant Variance, Socioeconomic Status, and Background Variables in NAEP and Course-Taking Trends

Saturday, April 9

Longitudinal Surveys at the National Center for Education Statistics: High School Longitudinal Study of 2009 (HSLS:09)
*Hotel Monteleone / La Nouvelle Orleans West*

Director: Kristin Flanagan

Saturday, April 9
8:00 am – 12:00 pm
Saturday, April 9
8:15 am – 9:45 am

**Administration in Charter, Private, and Market-Based Contexts**  
*Sheraton / Grand Ballroom A*  
Chair: Michelle B. Nayfack

**Adolescents’ Participation in Extracurricular Activities and Their Academic, Social, and Emotional Development**  
*Sheraton / Grand Ballroom C*  
Presenter: Jill T. Walston  
Co-Author: Cameron McPhee  
Session: Adolescence and Youth Development

**Estimating Causal Effects in Studies Involving an Eligibility Cutoff: Regression Discontinuity Versus Cohort Control Designs**  
*Doubletree / Shadows*  
Presenter: Hyekyung Jung  
Session: Issues in Research Design and Selection Bias in Educational Studies

**Out of the Debate and Into the Schools: Comparing Practices and Strategies in Traditional, Pilot and Charter Schools in the City of Boston**  
*Sheraton / Grand Ballroom A*  
Presenters: Susan Bowles Therriault, Allison Gruner Gandhi  
Session: Administration in Charter, Private, and Market-Based Contexts

------------------------

Saturday, April 9
8:15 am – 10:15 am

**Using Research to Implement the Federal Agenda**  
*Sheraton / Napoleon Ballroom B3*  
Presenter: Jennifer A. O’Day  
Session: Education Research for the Public Good: Shaping State and Federal Policies for English Language Learners

------------------------

Saturday, April 9
10:35 am – 12:05 pm

**Addressing Data Quality Challenges in Classroom Value-Added Models**  
*Doubletree / Rosedown A*  
Chair: Arie J. Van der Ploeg

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Saturday, April 9
12:25 pm – 1:55 pm

**Emerging Methodologies for Investigating Educational Resource Allocations in Rural Settings: The Application of Geospatial Data**  
*Doubletree / Nottaway*  
Presenter: Jesse D. Levin  
Session: Research on Mixed Methods Approaches to Addressing Generalization and Transferability in Evaluations in Rural Contexts
Air Presentations at the AERA 2011 Meeting

Saturday, April 9
12:25 pm – 1:55 pm

**Learning From Case Studies in an Undergraduate Engineering Course**
*Sheraton / Grand Ballroom E*
Co-Author: Dipendra R. Subedi
Session: Using Problem-Based Learning to Teach Science, Technology, Engineering, and Math (STEM) in Higher Education

**Multilevel Latent Profile Analysis of Family Involvement and School Readiness for a Nationally Representative Head Start Sample**
*New Orleans Marriott / Preservation Hall Studio 5*
Co-Author: Ann-Marie Faria
Session: Families in Early Childhood Education

**Reform and Administration for School Improvement**
*Sheraton / Grand Ballroom D*
Chair: James E. Taylor

**Taking Stock of a Decade of Charter School Research: Trends, Limitations, and Gaps in Research**
*Doubletree / Madewood A*
Co-Author: Michelle B. Nayfack
Session: Issues in the Evolution of Charter Schools: Leadership, Research, and Image

Saturday, April 9
2:15 pm – 3:45 pm

**Insights from Leading Education Journalists: Making Your Research Relevant to the Public and Policymakers**
*Sheraton / Grand Couteau*
Chair: Larry McQuillan
Session: Invited Session

**Local Instructional Design in High School Science: A Distributed Leadership Perspective on the Practice of Curriculum Innovation and Adaptation**
*Sheraton / Grand Ballroom C*
Presenter: Matthew A. Clifford
Session: Discussions in the Learning Sciences

**A Needs Assessment of California: Infant/Toddler Early Learning and Care**
*Sheraton / Grand Ballroom D*
Presenters: Jennifer Anthony, Susan Muenchow
Session: Reconceptualizing Teacher Education Research
Saturday, April 9
4:05 pm – 5:35 pm
Abstinence Education Reform and Adolescent Risky Behaviors
Sheraton / Grand Ballroom D
Presenter: Lu Michelle Yin
Session: Understanding Health in Schools

Saturday, April 9
4:05 pm – 6:05 pm
Quantifying the Difficulty Difference Between Numerical Operations and Word Problem Items Using the Rasch Model
Doubletree / Madewood A
Presenter: Markus Broer
Session: Assessment in International Contexts

Saturday, April 9
6:15 pm – 8:15 pm
Safe Schools and Communities SIG Business Meeting Featuring Contributors to Educational Researcher’s Special Issue on School Safety and Violence Prevention
Astor Crowne Plaza / Astor Ballroom II
Panelist: David Osher

School Turnaround and Reform, Business Meeting and Presentation by Dr. Joe Johnson
Sheraton / Salon 824
Chair: Marlene J. Darwin

Sunday, April 10
Sunday, April 10
8:15 am – 9:45 am
Children’s Access to Print Material and Education-Related Outcomes: Findings From a Meta-Analytic Review
New Orleans Marriott / Preservation Hall Studio 6
Presenter: James J. Lindsay
Session: Literacy Practices in the Early Childhood Classroom

A Latent Growth Analysis of School Readiness and Teacher Sensitivity as Correlates for Reading Growth
New Orleans Marriott / Preservation Hall Studio 6
Presenter: Monika Townsend
Session: Literacy Practices in the Early Childhood Classroom

An Evaluation of the Data From an Exploratory National Survey on Principal Attrition
Sheraton / Grand Ballroom D
Presenter: Xiaolei Wang
Co-Author: Jinae Boyer
Session: Leading for School and Student Success
How Professional Development Can Be Good for Teachers and Students: Learning From Research and Practice
*Sheraton / Grand Ballroom A*

Chair: Meredith Jane Ludwig

Key Indicators of Education in the United States Compared to its G-8 Peers: 2011
*Sheraton / Bayside C*

Presenter: David C. Miller
Co-Author: Laura Warren

Session: Issues in the Use of International Data Sets

Making Professional Development More Strategic: A Conceptual Model for District Decision Makers
*Sheraton / Grand Ballroom A*

Presenters: Michael S. Garet, Kwang Suk Yoon
Co-Authors: Meredith Jane Ludwig

Session: How Professional Development Can Be Good for Teachers and Students: Learning From Research and Practice

When Teachers Play a Role in Pay-for-Performance Plan Development: An Analysis of the Texas Governor’s Educator Excellence Grant Program
*Sheraton / Grand Ballroom A*

Presenter: Coby Meyers

Session: Educator Incentive Pay: A Comparative Analysis of Three Large-Scale Reforms

Documenting Current Data Use Practices in Urban Districts, Schools, and Classrooms
*Doubletree / Nottaway*

Presenters: Ann-Marie Faria, Jessica Heppen
Co-Authors: Katherine Sawyer

Session: Methods to Improve Teacher Assessment Practices

The Middle School Mathematics Professional Development (PD) Impact Study
*New Orleans Marriott / La Galerie 2*

Presenter: Michael S. Garet
Co-Authors: Frances Stancavage, James E. Taylor, Kirk Walters, Andrew J. Wayne

Session: The Role of Professional Development in Promoting Teacher Expertise and Student Learning
Sunday, April 10
12:25 pm – 1:55 pm

**Who Am I? Leadership, Accountability, and Kids**
*New Orleans Marriott / Balconies IJ*

**Presenter** Susan K. Shapiro

**Session** “Integrity, Fairness, and in an Ethical Manner”: Exploring Interstate School Leaders Licensure Consortium Standard 5 as a Leadership Foundation

---

Sunday, April 10
2:15 pm – 3:45 pm

**Beyond Parent Management: Students and Schools in an Urban Public High School Application Process**
*Astor Crowne Plaza / Toulouse A*

**Presenter** Clarisse Haxton

**Session** Possibilities and Limitations of School Choice

---

**The Effects of After-School Program Participation on Mathematics Achievement: Comparing Results From the Within and Between School Designs**
*Doubletree / Rosedown A*

**Presenter** Marjorie Chinen

**Session** Evaluating the Impact of Innovative Educational Programs on Student Outcomes

---

**Effects of Curricular Modifications Based on Principles of Cognitive Science for Middle School Science Curricula**
*Doubletree / Madewood A*

**Discussant** Michael S. Garet

---

**The Impact of Friends, Family, and Other Forms of Capital on Educational Achievement and Attainment**
*Sheraton / Grand Ballroom D*

**Chair** Julie R. Kochanek

---

Monday, April 11
8:15 am – 9:45 am

**AERA Communications and Outreach Committee: Closed Meeting**
*Sheraton / Esterwood*

**Chair** Larry McQuillan

**Participant** Beatrice F. Birman

**Session** AERA Governance
Monday, April 11
8:15 am – 9:45 am
Exploring the Cumulative Effect of Self-Regulation on Reading and Math Achievement Trajectories in Elementary School
New Orleans Marriott / La Galerie 6
Presenter: Julia Parkinson
Session: Regulating Emotions: Effects on Social Adjustment and Learning in School

Family Literacy Programs and Growth in Adult Reading Skills: How Is Participation and Program Quality Related to Parent Learning?
JW Marriott / Orleans
Presenters: Karen Manship, Heather E. Quick, Jamie L. Shkolnik
Session: Growth From Adult Participation in Learning

Monday, April 11
10:35 am – 12:05 pm
Effective Teachers and Classrooms
Sheraton / Salon 820
Chair: Marlene J. Darwin

The Evaluation of the Quality Teaching for English Learners Program
Doubletree / Madewood B
Presenter: Johannes Bos
Session: Vice Presidential Session: Affirmative Action Perspectives—Research for the Public Good: Multiple Partners, Multiple Perspectives, One Coherent Approach in the Design, Implementation, and Evaluation of a Program for English Language Learners

Monday, April 11
12:25 pm – 1:55 pm
Assessing Conditions for Learning in Cleveland, New York City, and Syracuse: Implications for School Improvement
Sheraton / Grand Ballroom D
Presenter: David M. Osher
Co-Author: Melissa Brown-Sims
Session: Improving Conditions for Learning: The Cleveland Metropolitan School District’s Experience and Its Implications for Educational Equity and the Public Good

Assessing Conditions for Learning in the Cleveland Metropolitan School District: Rationale, Methods, and Key Findings
Sheraton / Grand Ballroom D
Presenter: Jeffrey M. Poirier
Session: Improving Conditions for Learning: The Cleveland Metropolitan School District’s Experience and Its Implications for Educational Equity and the Public Good
Monday, April 11
12:25 pm – 1:55 pm

**The Bridge Between Researchers and Teachers: Exploring the Pathway to Innovation in the Classroom**
*Doubletree / Rosedown B*

**Presenter**
Ellen J. Behrstock-Sherratt

**Co-Authors**
Karen L. Drill, Shazia R. Miller

**Session**
Research in the Hands of Teachers and Administrators

**Comparing the Program for International Student Assessment (PISA) 2009 and National Assessment of Educational Progress 2009 Reading Assessments**
*Sheraton / Bayside C*

**Presenters**
Corbrett Hodson, Maria Stephens

**Session**
A Decade of Programme for International Student Assessment (PISA): Findings on the Achievement, Engagement, and Measurement of 15-Year-Olds’ Literacy

**Content and Construct Validation of the Comprehensive Assessment of Leadership for Learning (CALL)**
*Sheraton / Grand Ballroom D*

**Presenters**
Matthew A. Clifford, Chris A. Condon

**Co-Author**
Melissa Brown-Sims

**Session**
Formative Assessment to Support Leadership Development in Middle and High Schools

**Content Validity as a Window to a Richer Understanding of Leadership Practice**
*Sheraton / Grand Ballroom D*

**Co-Author**
Matthew A. Clifford

**Session**
Formative Assessment to Support Leadership Development in Middle and High Schools

**Documenting California’s K–12 Education System During the Fiscal Crisis: District Decision Making and Efficiency Under Severe Budget Cuts**
*Doubletree / Rosedown A*

**Presenters**
Sami Kitmitto, Tom B. Parrish, Larisa S. Shambaugh

**Session**
District Strategies in an Era of Fiscal Crises: Human Capital, Capacity-Building Partnerships, and Resource Allocation
Monday, April 11
12:25 pm – 1:55 pm

**Improving Instruction in New York City Schools: An Evolving Strategy**  
*Sheraton / Grand Ballroom D*

Presenter: Catherine Sousa Bitter  
Co-Author: Jennifer A. O’Day  
Session: School Improvement at Scale: The Case of New York City

**The Nested Effects of Neighborhood and Parenting Contexts on Adolescent Delinquency: A Hierarchical Model**  
*Sheraton / Grand Ballroom D*

Presenter: Coretta Jacqueline Mallery  
Session: Problematic Adolescent Behavior Across Contexts

**Teacher Supply and Turnover**  
*Sheraton / Southdown*

Chair: Julie R. Kochanek

**Trends in Student Achievement and Reading Engagement: Findings From the Program for International Student Assessment (PISA) 2000 to 2009**  
*Sheraton / Bayside C*

Presenters: Ariana L. Harner, David C. Miller, Anindita Sen  
Session: A Decade of Programme for International Student Assessment (PISA): Findings on the Achievement, Engagement, and Measurement of 15-Year-Olds’ Literacy

Monday, April 11
4:05 pm – 5:35 pm

**Training Executive Functions in School-Aged Children: A Meta-Analysis of Executive Function Training Programs and Interventions**  
*Sheraton / Grand Ballroom C*

Presenter: Julia Parkinson  
Session: Poster Session: Cognitive and Metacognitive Processes

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Tuesday, April 12

**Refining a Theory of Knowledge Diffusion Among District Administrators**  
*Sheraton / Edgewood*

Presenter: Julie R. Kochanek  
Co-Author: Matthew A. Clifford  
Session: Research, Policy, and Practice for Leaders and Leadership
Tuesday, April 12
8:15 am – 9:45 am

Research-Based Common Practices in Data Use Across Three Areas of School Improvement
Sheraton / Southdown
Presenters: Marlene J. Darwin, Becki Herman, Yael Kidron
Session: Effectiveness of School Policies, Practices, and Programs

Teacher Effects
Sheraton / Grand Ballroom A
Chair: Jane G. Coggshall

Tuesday, April 12
10:35 am – 12:05 pm

Changing Leadership in Schools: Comparing Results From Two National Surveys on Principal Mobility
Sheraton / Grand Ballroom A
Co-Author: Xiaolei Wang
Session: Institutional Capacity and Systems-Building Efforts

How Do School Districts Hire School Principals? A Description of Practice in 730 School Districts
Sheraton / Grand Ballroom A
Presenter: Matthew A. Clifford
Co-Authors: Melissa Brown-Sims, Chris A. Condon
Session: Institutional Capacity and Systems-Building Efforts

Tuesday, April 12
12:25 pm – 1:55 pm

Transforming Education Under Mayoral Control: The Case of New York City
Sheraton / Edgewood
Chair: Jennifer A. O’Day

Tuesday, April 12
2:15 pm – 3:45 pm

Using Benchmark Assessment Data to Improve Instruction and Student Achievement in Urban Schools
Doubletree / Madewood B
Presenters: Ann-Marie Faria, Jessica Heppen
Co-Author: Katherine Sawyer
Session: Using Assessment to Improve Student Outcomes
Index of Presentations by Topic

Administration Organization & Leadership

**Leadership**

**Monday, April 11**

12:25 pm – 1:55 pm

**Content and Construct Validation of the Comprehensive Assessment of Leadership for Learning (CALL)**
*Sheraton / Grand Ballroom D*

Presenters: Matthew A. Clifford, Chris A. Condon
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Session: Formative Assessment to Support Leadership Development in Middle and High Schools

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School Organization and Effects

Saturday, April 9
8:15 am – 9:45 am

**Administration in Charter, Private, and Market-Based Contexts**
*Sheraton / Grand Ballroom A*

**Chair:** Michelle B. Nayfack

---

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**Out of the Debate and Into the Schools: Comparing Practices and Strategies in Traditional, Pilot and Charter Schools in the City of Boston**
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**Presenters:** Susan Bowles Therriault, Allison Gruner Gandhi
**Session:** Administration in Charter, Private, and Market-Based Contexts

---

Monday, April 11
12:25 pm – 1:55 pm

**Reform and Administration for School Improvement**
*Sheraton / Grand Ballroom D*

**Chair:** James E. Taylor
Adolescence and Youth Development

Saturday, April 9
8:15 am – 9:45 am

Adolescents’ Participation in Extracurricular Activities and Their Academic, Social, and Emotional Development
Sheraton / Grand Ballroom C
Presenter  Jill T. Walston
Co-Author  Cameron McPhee
Session  Adolescence and Youth Development

Adult Literacy and Adult Education

Monday, April 11
8:15 am – 9:45 am

Family Literacy Programs and Growth in Adult Reading Skills: How Is Participation and Program Quality Related to Parent Learning?
JW Marriott / Orleans
Presenters  Karen Manship, Heather E. Quick, Jamie L. Shkolnik
Session  Growth From Adult Participation in Learning

Charter School Research and Evaluation

Saturday, April 9
12:25 pm – 1:55 pm

Taking Stock of a Decade of Charter School Research: Trends, Limitations, and Gaps in Research
Doubletree / Madewood A
Co-Author  Michelle B. Nayfack
Session  Issues in the Evolution of Charter Schools: Leadership, Research, and Image

Communication and Outreach Committee

Saturday, April 9
2:15 pm – 3:45 pm

Insights from Leading Education Journalists: Making Your Research Relevant to the Public and Policymakers
Sheraton / Grand Couteau
Chair  Larry McQuillan
Session  Invited Session
### Counseling and Human Development

**Monday, April 11**

**12:25 pm – 1:55 pm**

**The Nested Effects of Neighborhood and Parenting Contexts on Adolescent Delinquency: A Hierarchical Model**

*Sheraton / Grand Ballroom D*

**Presenter** Coretta Jacqueline Mallery

**Session** Problematic Adolescent Behavior Across Contexts

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### Critical Perspectives on Early Childhood Education

**Saturday, April 9**

**2:15 pm – 3:45 pm**

**A Needs Assessment of California: Infant/Toddler Early Learning and Care**

*Sheraton / Grand Ballroom D*

**Presenters** Jennifer Anthony, Susan Muenchow

**Session** Reconceptualizing Teacher Education Research

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### Districts in Research and Reform

**Monday, April 11**

**12:25 pm – 1:55 pm**

**Documenting California’s K–12 Education System During the Fiscal Crisis: District Decision Making and Efficiency Under Severe Budget Cuts**

*Doubletree / Rosedown A*

**Presenters** Sami Kitmitto, Tom B. Parrish, Larisa S. Shambaugh

**Session** District Strategies in an Era of Fiscal Crises: Human Capital, Capacity-Building Partnerships, and Resource Allocation

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### Early Education and Child Development

**Sunday, April 10**

**8:15 am – 9:45 am**

**Children’s Access to Print Material and Education-Related Outcomes: Findings From a Meta-Analytic Review**

*New Orleans Marriott / Preservation Hall Studio 6*

**Presenter** James J. Lindsay

**Session** Literacy Practices in the Early Childhood Classroom

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**Sunday, April 10**

**8:15 am – 9:45 am**

**A Latent Growth Analysis of School Readiness and Teacher Sensitivity as Correlates for Reading Growth**

*New Orleans Marriott / Preservation Hall Studio 6*

**Presenter** Monika Townsend

**Session** Literacy Practices in the Early Childhood Classroom
Educational Policy and Politics

Policy and Governance

Tuesday, April 12
12:25 pm – 1:55 pm
Transforming Education Under Mayoral Control: The Case of New York City
Sheraton / Edgewood
Chair
Jennifer A. O'Day

Teacher Policy and Politics

Sunday, April 10
10:35 am – 12:05 pm
How Professional Development Can Be Good for Teachers and Students: Learning From Research and Practice
Sheraton / Grand Ballroom A
Chair
Meredith Jane Ludwig

Sunday, April 10
10:35 am – 12:05 pm
Making Professional Development More Strategic: A Conceptual Model for District Decision Makers
Sheraton / Grand Ballroom A
Presenters
Michael S. Garet, Kwang Suk Yoon
Co-Author
Meredith Jane Ludwig
Session
How Professional Development Can Be Good for Teachers and Students: Learning From Research and Practice

Sunday, April 10
10:35 am – 12:05 pm
When Teachers Play a Role in Pay-for-Performance Plan Development: An Analysis of the Texas Governor’s Educator Excellence Grant Program
Sheraton / Grand Ballroom A
Presenter
Coby Meyers
Session
Educator Incentive Pay: A Comparative Analysis of Three Large-Scale Reforms

Monday, April 11
12:25 pm – 1:55 pm
Teacher Supply and Turnover
Sheraton / Southdown
Chair
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Tuesday, April 12
8:15 am – 9:45 am
Teacher Effects
Sheraton / Grand Ballroom A
Chair
Jane G. Coggshall
Education, Health, and Human Services Linkages

Saturday, April 9
4:05 pm – 5:35 pm

**Abstinence Education Reform and Adolescent Risky Behaviors**

*Sheraton / Grand Ballroom D*

Presenter Lu Michelle Yin

Session Understanding Health in Schools

International Studies

Friday, April 8
2:15 pm – 3:45 pm

**Statistical Basis for International Benchmarking by Linking State Tests to the Program for International Student Assessment (PISA)**

*Sheraton / Salon 820*

Presenter Gary W. Phillips

Session International Benchmarking State Performance Standards Using the Programme for International Student Assessment (PISA)

Sunday, April 10
10:35 am – 12:05 pm

**Key Indicators of Education in the United States Compared to its G-8 Peers: 2011**

*Sheraton / Bayside C*

Presenter David C. Miller

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Session Issues in the Use of International Data Sets

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Monday, April 11
12:25 pm – 1:55 pm

**Trends in Student Achievement and Reading Engagement: Findings From the Program for International Student Assessment (PISA) 2000 to 2009**

*Sheraton / Bayside C*

Presenters Ariana L. Harner, David C. Miller, Anindita Sen

Session A Decade of Programme for International Student Assessment (PISA): Findings on the Achievement, Engagement, and Measurement of 15-Year-Olds’ Literacy
Leadership for School Improvement

Sunday, April 10
10:35 am – 12:05 pm

An Evaluation of the Data From an Exploratory National Survey on Principal Attrition
Sheraton / Grand Ballroom D
Presenter Xiaolei Wang
Co-Author Jinae Boyer
Session Leading for School and Student Success

Learning and Learning and Instruction: Cognitive, Social, and Motivational Processes

Monday, April 11
8:15 am – 9:45 am

Exploring the Cumulative Effect of Self-Regulation on Reading and Math Achievement Trajectories in Elementary School
New Orleans Marriott / La Galerie 6
Presenter Julia Parkinson
Session Regulating Emotions: Effects on Social Adjustment and Learning in School

Monday, April 11
4:05 pm – 5:35 pm

Training Executive Functions in School-Aged Children: A Meta-Analysis of Executive Function Training Programs and Interventions
Sheraton / Grand Ballroom C
Presenter Julia Parkinson
Session Poster Session: Cognitive and Metacognitive Processes

Learning and Teaching in Educational Leadership

Sunday, April 10
12:25 pm – 1:55 pm

Who Am I? Leadership, Accountability, and Kids
New Orleans Marriott / Balconies IJ
Presenter Susan K. Shapiro
Session “Integrity, Fairness, and in an Ethical Manner”: Exploring Interstate School Leaders Licensure Consortium Standard 5 as a Leadership Foundation
Learning Sciences

Saturday, April 9
2:15 pm – 3:45 pm

Local Instructional Design in High School Science: A Distributed Leadership Perspective on the Practice of Curriculum Innovation and Adaptation
Sheraton / Grand Ballroom C
Presenter Matthew A. Clifford
Session Discussions in the Learning Sciences

Measurement and Research Methodology

Educational Measurement, Psychometrics, and Assessment

Saturday, April 9
4:05 pm – 6:05 pm

Quantifying the Difficulty Difference Between Numerical Operations and Word Problem Items Using the Rasch Model
Doubletree / Madewood A
Presenter Markus Broer
Session Assessment in International Contexts

Quantitative Methods and Statistical Theory

Saturday, April 9
8:15 am – 9:45 am

Estimating Causal Effects in Studies Involving an Eligibility Cutoff: Regression Discontinuity Versus Cohort Control Designs
Doubletree / Shadows
Presenter Hyekyung Jung
Session Issues in Research Design and Selection Bias in Educational Studies

NAEP Studies

Friday, April 8
4:05 pm – 6:05 pm

Achievement Gap, Construct Irrelevant Variance, Socioeconomic Status, and Background Variables in NAEP and Course-Taking Trends
Sheraton / Oakley
Chair Cadelle Hemphill

Friday, April 8
4:05 pm – 6:05 pm

Deciphering Socioeconomic Status: Understanding the Association Between SES and Student Background Variables in the National Assessment of Educational Progress
Sheraton / Oakley
Presenter Burhan Ogut
Session Achievement Gap, Construct Irrelevant Variance, Socioeconomic Status, and Background Variables in NAEP and Course-Taking Trends
Presidential Session

Saturday, April 9
8:15 am – 10:15 am

Using Research to Implement the Federal Agenda
*Sheraton / Napoleon Ballroom B3*
Presenter: Jennifer A. O’Day
Session: Education Research for the Public Good: Shaping State and Federal Policies for English Language Learners

Problem-Based Education

Saturday, April 9
12:25 pm – 1:55 pm

Learning From Case Studies in an Undergraduate Engineering Course
*Sheraton / Grand Ballroom E*
Co-Author: Dipendra R. Subedi
Session: Using Problem-Based Learning to Teach Science, Technology, Engineering, and Math (STEM) in Higher Education

Professional Development and Training

Thursday, April 7
9:00 am – 5:00 pm

Psychometrics Behind National Assessment of Educational Progress: Understanding and Analyzing NAEP Data
*New Orleans Marriott / La Galerie 4*
Instructor: Enis Dogan

Saturday, April 9
8:00 am – 12:00 pm

Longitudinal Surveys at the National Center for Education Statistics: High School Longitudinal Study of 2009 (HSLS:09)
*Hotel Monteleone / La Nouvelle Orleans West*
Director: Kristin Flanagan

Research, Evaluation, and Assessment in Schools

Affirmative Action Perspectives

Monday, April 11
10:35 am – 12:05 pm

The Evaluation of the Quality Teaching for English Learners Program
*Doubletree / Madewood B*
Presenter: Johannes Bos
Session: Vice Presidential Session: Affirmative Action Perspectives—Research for the Public Good: Multiple Partners, Multiple Perspectives, One Coherent Approach in the Design, Implementation, and Evaluation of a Program for English Language Learners
Applied Research in the Schools
Saturday, April 9
10:35 am – 12:05 pm
Addressing Data Quality Challenges in Classroom Value-Added Models
Doubletree / Rosedown A
Chair: Arie J. Van der Ploeg

Assessment in the Schools
Saturday, April 9
12:25 pm – 1:55 pm
Multilevel Latent Profile Analysis of Family Involvement and School Readiness for a Nationally Representative Head Start Sample
New Orleans Marriott / Preservation Hall Studio 5
Co-Author: Ann-Marie Faria
Session: Families in Early Childhood Education

Sunday, April 10
12:25 pm – 1:55 pm
Documenting Current Data Use Practices in Urban Districts, Schools, and Classrooms
Doubletree / Nottaway
Presenters: Ann-Marie Faria, Jessica Heppen
Co-Author: Katherine Sawyer
Session: Methods to Improve Teacher Assessment Practices

Tuesday, April 12
2:15 pm – 3:45 pm
Using Benchmark Assessment Data to Improve Instruction and Student Achievement in Urban Schools
Doubletree / Madewood B
Presenters: Ann-Marie Faria, Jessica Heppen
Co-Author: Katherine Sawyer
Session: Using Assessment to Improve Student Outcomes

Program Evaluation in School Settings
Friday, April 8
2:15 pm – 3:45 pm
Study of the Thinking Reader Software Program: Analytical Strategy and Student Achievement Findings
Doubletree / International Ballroom
Presenter: Marjorie Chinen
Session: The Impact of Thinking Reader Software Program on Grade 6 Reading Vocabulary, Comprehension, Strategies, and Motivation
**Friday, April 8**

2:15 pm – 3:45 pm

**Study of the Thinking Reader Software Program: Description of the Intervention and Implementation**

_Doubletree / International Ballroom_

Presenters: Kathryn V. Drummond, Lindsay Fryer
Session: The Impact of Thinking Reader Software Program on Grade 6 Reading Vocabulary, Comprehension, Strategies, and Motivation

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**Study of the Thinking Reader Software Program: Study Design and Methodology**

_Doubletree / International Ballroom_

Co-Author: Kathryn V. Drummond
Session: The Impact of Thinking Reader Software Program on Grade 6 Reading Vocabulary, Comprehension, Strategies, and Motivation

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**The Effects of After-School Program Participation on Mathematics Achievement: Comparing Results From the Within and Between School Designs**

_Doubletree / Rosedown A_

Presenter: Marjorie Chinen
Session: Evaluating the Impact of Innovative Educational Programs on Student Outcomes

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**Effects of Curricular Modifications Based on Principles of Cognitive Science for Middle School Science Curricula**

_Doubletree / Madewood A_

Discussant: Michael S. Garet

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**Research on Evaluation**

**Saturday, April 9**

12:25 pm – 1:55 pm

**Emerging Methodologies for Investigating Educational Resource Allocations in Rural Settings: The Application of Geospatial Data**

_Doubletree / Nottaway_

Presenter: Jesse D. Levin
Session: Research on Mixed Methods Approaches to Addressing Generalization and Transferability in Evaluations in Rural Contexts
Research Use

Monday, April 11
12:25 pm – 1:55 pm

The Bridge Between Researchers and Teachers: Exploring the Pathway to Innovation in the Classroom

*Doubletree / Rosedown B*

**Presenter**  Ellen J. Behrstock-Sherratt

**Co-Authors**  Karen L. Drill, Shazia R. Miller

**Session**  Research in the Hands of Teachers and Administrators

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Safe Schools and Communities

Saturday, April 9
6:15 pm – 8:15 pm

Safe Schools and Communities SIG Business Meeting Featuring Contributors to Educational Researcher’s Special Issue on School Safety and Violence Prevention

*Astor Crowne Plaza / Astor Ballroom II*

**Panelist**  David Osher

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School Choice

Sunday, April 10
2:15 pm – 3:45 pm

Beyond Parent Management: Students and Schools in an Urban Public High School Application Process

*Astor Crowne Plaza / Toulouse A*

**Presenter**  Clarisse Haxton

**Session**  Possibilities and Limitations of School Choice

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School Effectiveness and School Improvement

Monday, April 11
10:35 am – 12:05 pm

Effective Teachers and Classrooms

*Sheraton / Salon 820*

**Chair**  Marlene J. Darwin

Tuesday, April 12
8:15 am – 9:45 am

Research-Based Common Practices in Data Use Across Three Areas of School Improvement

*Sheraton / Southdown*

**Presenters**  Marlene J. Darwin, Becki Herman, Yael Kidron

**Session**  Effectiveness of School Policies, Practices, and Programs
School Turnaround and Reform

Friday, April 8
12:00 pm – 2:00 pm

A Statistical Approach to Identifying Schools Demonstrating Substantial Improvement in Student Learning
_Sheraton / Southdown_
Presenter Coby Meyers
Co-Authors Chris A. Condon, James J. Lindsay, Yinmei Wan
Session Identifying School Turnaround and Leading the Process Through Principal Leadership, External Support, and Redesign

Friday, April 8
12:00 pm – 2:00 pm

Supporting School Turnaround: How School Stakeholders Engage With External Support Providers
_Sheraton / Southdown_
Presenter Kerstin A. Carlson Le Floch
Co-Authors Molly Beth Abend, Andrea Boyle, Susan Bowles Therriault
Session Identifying School Turnaround and Leading the Process Through Principal Leadership, External Support, and Redesign

Saturday, April 9
6:15 pm – 8:15 pm

School Turnaround and Reform, Business Meeting and Presentation by Dr. Joe Johnson
_Sheraton / Salon 824_
Chair Marlene J. Darwin

Social and Emotional Learning

Saturday, April 9
4:05 pm – 6:05 pm

Going to Scale With Social and Emotional Learning
_Sheraton / Napoleon Ballroom B3_
Panelist David Osher

Sociology of Education

Sunday, April 10
2:15 pm – 3:45 pm

The Impact of Friends, Family, and Other Forms of Capital on Educational Achievement and Attainment
_Sheraton / Grand Ballroom D_
Chair Julie R. Kochanek
Teacher Induction, Mentoring, Retention, and Professional Development

Sunday, April 10
12:25 pm – 1:55 pm

The Middle School Mathematics Professional Development (PD) Impact Study

New Orleans Marriott / La Galerie 2

Presenter: Michael S. Garet
Co-Authors: Frances Stancavage, James E. Taylor, Kirk Walters, Andrew J. Wayne

Session: The Role of Professional Development in Promoting Teacher Expertise and Student Learning
### AERA Special Sessions

#### AERA Governing Committees

**Friday, April 8  
4:05 pm – 6:05 pm**

**AERA Ethics Committee: Closed Meeting**  
*New Orleans Marriott / Balcony L*  
Participant: George W. Bohrnstedt  
Session: AERA Governance

**Monday, April 11  
8:15 am – 9:45 am**

**AERA Communications and Outreach Committee: Closed Meeting**  
*Sheraton / Esterwood*  
Chair: Larry McQuillan  
Participant: Beatrice F. Birman  
Session: AERA Governance
The National Council on Measurement in Education (NCME) is holding its 2011 annual conference at the Westin New Orleans Canal Place, April 7–11, in New Orleans in conjunction with AERA’s annual meeting. AIR staff members have been selected to give the following presentations at the NCME conference:

Saturday, April 9
12:25 pm – 1:55 pm

To Break Trend or Not, That Is the Question
Westin / Magnolia I
Chair George W. Bohrnstedt

The Role of Content Comparisons of Old and New Assessment Frameworks
Westin / Magnolia I
Presenter Kim Gattis
Co-Authors George W. Bohrnstedt, Young Yee Kim
Session To Break Trend or Not, That Is the Question

The Role of Cross-Assessment Item Pool Variation
Westin / Magnolia I
Presenter Young Yee Kim
Co-Authors Teresa Neidorf, Sharyn Rosenberg
Session To Break Trend or Not, That Is the Question

Award Presentation
Sunday, April 10
8:00 am – 9:30 am

NCME 2011 Bradley Hanson Award for Contributions to Educational Measurement
Sheraton / Armstrong Ballroom
Awardee Werner Wothke
Session 2011 NCME Breakfast, Business Meeting & Presidential Address
The A² Fellows Program

The American Educational Research Association (AERA) and American Institutes for Research (AIR) offer the AERA–AIR (A²) Fellows Program, which seeks to encourage the development of highly skilled education researchers experienced in working on large-scale studies in major research environments.

The Fellows Program provides research and training opportunities to recent Ph.D. or Ed.D. degree recipients in fields and disciplines related to the scientific study of education and educational processes. The program also aims to increase the number of underrepresented minority professionals conducting advanced research or technical assistance.

Fellows receive an annual salary of $55,000. Up to three fellows are selected annually for two-year positions at AIR's corporate headquarters in Washington, D.C.

To learn more about AIR and career opportunities, visit the AIR website at: www.air.org.

To learn more about the program and how to apply, visit the AERA website, www.aera.net, or the AIR website, www.air.org.