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.

Up to three fellows are selected annually for 2-year positions at AIR’s corporate headquarters in Washington, D.C.

To learn more about AIR and career opportunities, visit the AIR Web site at: http://www.air.org.

To learn more about the program and how to apply, visit the AERA Web site, http://www.aera.net, or the AIR Web site, http://www.air.org.
AIR Has a Significant Presence at AERA 2010 Annual Meeting

AIR has a significant presence at this year’s American Educational Research Association (AERA) Annual Meeting in Denver. Approximately 80 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

Saturday, May 1, 2010
7–9 pm
Hyatt Regency, Denver
Centennial Ballroom D
650 15th Street
Denver, CO 80202
# Index of Presentations by Date and Time

## THURSDAY, APRIL 29

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<td>Early Childhood Surveys at the National Center for Education Statistics: The ECLS and NHES Studies</td>
<td>Hyatt Regency, Denver / Capitol Ballroom 5</td>
<td>Amy H. Rathbun, Jill T. Walston</td>
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<td>12:00 pm – 1:30 pm</td>
<td>Secondary Analysis of the Educational Longitudinal Study of 2002 (ELS:2002)</td>
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## FRIDAY, APRIL 30

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<td>Delivering on the Promise: An Impact Evaluation of the Gates Millennium Scholars Program</td>
<td>Colorado Convention Center / Room 103</td>
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<td>2:15 pm – 3:45 pm</td>
<td>International Studies on Student Behavioral Problems and At-Risk Student Populations</td>
<td>Colorado Convention Center / Room 710</td>
<td>Marian Eaton</td>
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<tr>
<td>9:00 am – 5:00 pm</td>
<td>Literacy Coaching Practices and Impacts in a Study of Professional Development in Early Reading Instruction</td>
<td>Colorado Convention Center / Korbel Ballroom 2</td>
<td>Yasser Youssif Hashem</td>
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<td>Supporting Novice Teachers in Egypt: The Development and Evaluation of an Induction/Mentoring Program</td>
<td>Colorado Convention Center / Room 109, 111, 113</td>
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4:05 pm – 5:35 pm  
Identifying and Learning From High-Performing, High-Needs Schools in California  
*Sheraton Denver / Grand Ballroom Section 2*  
Presenters  
Tom B. Parrish, Larisa Shambaugh  
Session  
School Effectiveness and School Improvement: Leadership and Change for School Improvement

Friday, April 30  
4:05 pm – 6:05 pm  
AERA Ethics Committee—Closed Meeting  
*Hyatt Regency, Denver / Limestone*  
Participant  
George W. Bohrnstedt  
Session  
AERA Governance

Friday, April 30  
6:15 pm – 7:45 pm  
Implications of Federal (Race to the Top/I3) Funding for School Districts: Conversations With Key Leaders and Funders  
*Sheraton Denver / Plaza Court 1*  
Participant  
Jennifer A. O’Day

*SATURDAY, MAY 1*

Saturday, May 1  
8:15 am – 9:45 am  
An Efficacy Study on the Integration of Optimized Simulations Into the High School Chemistry Curriculum  
*Colorado Convention Center / Room 205*  
Co-Author  
Yan Wang  
Session  
Facilitating Science Learning With Technology

Exploring the Possibilities for Narrative in the Use of Multimedia Simulations for the Teaching and Learning of Chemistry  
*Colorado Convention Center / Room 205*  
Co-Author  
Yan Wang  
Session  
Facilitating Science Learning With Technology

International Studies on Academic Achievement Using Hierarchical Linear Modeling  
*Colorado Convention Center / Room 710*  
Chair  
David C. Miller

Studying the Effect of the LANGUAGE! Program on the Reading Achievement of Struggling Adolescent Readers  
*Sheraton Denver / Grand Ballroom Section 2*  
Presenters  
Marjorie Chinen, Courtney C. Zmach  
Session  
Hierarchical Linear Modeling Analysis of Student Growth Data and School Effects
Saturday, May 1  
8:15 am – 10:15 am

**Reviewing the Evidence on Turnaround Schools**  
*Sheraton Denver / Governor’s Square 11*  
Presenter: Rebecca Herman  
Session: Exploring School Turnaround: Defining the Concept, Examining the Research, and Achieving Success

**Studying Turnaround Schools**  
*Sheraton Denver / Governor’s Square 11*  
Presenters: Daniel K. Aladjem, Beatrice F. Birman  
Session: Exploring School Turnaround: Defining the Concept, Examining the Research, and Achieving Success

Saturday, May 1  
10:35 am – 12:05 pm

**AERA Communication and Outreach Committee—Closed Meeting**  
*Hyatt Regency, Denver / Sandstone*  
Participants: Beatrice F. Birman, Larry McQuillan  
Session: AERA Governance

**Examining the Effectiveness of NSF-Supported STEM Education Programs: A Portfolio Review Approach**  
*Sheraton Denver / Plaza D*  
Presenter: Kwang Suk Yoon  
Co-Author: Mengli Song  
Session: Alternative Methods of Educational Evaluations

**An Experiment on Scaffolding Exploration of Science Simulations**  
*Colorado Convention Center / Korbel Ballroom 2*  
Presenter: Yan Wang  
Session: A Synthesis of Theoretical and Empirical Research Into Metacognitive Monitoring: Past, Present, and Future

**Exploring Achievement Gaps Between English-Language Learners (ELL) and Non-ELL Students in NAEP Mathematics**  
*Colorado Convention Center / Room 407*  
Presenters: Young Yee Kim, Alan Vanneman  
Session: Understanding the Dynamics of the ELL Student Population and Their Academic Achievement Using NAEP Data
Identifying English-Language Learners for NAEP and Large-Scale Assessments: Challenges and Considerations

*Colorado Convention Center / Room 407*

**Presenters:** Laura Bufford, Amy D. Yamashiro

**Session:** Understanding the Dynamics of the ELL Student Population and Their Academic Achievement Using NAEP Data

---

Looking to the Past, to Help the Future: Using Retired NAEP Variables to Improve ELL Identification

*Colorado Convention Center / Room 407*

**Presenters:** Salvador Rivas, Ebony Walton

**Co-Authors:** Molly Abend, Steven Gorman

**Session:** Understanding the Dynamics of the ELL Student Population and Their Academic Achievement Using NAEP Data

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Profiles of Peer Interactions and Their Relation to School Readiness in Head Start: Physical Aggression, Relational Aggression, and Prosocial Behavior

*Colorado Convention Center / Room 610, 612*

**Presenter:** Ann-Marie Faria

**Session:** Examining School Readiness in Early Childhood Education

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Profiling the Dynamics and Complexity of the ELL Student Population in NAEP

*Colorado Convention Center / Room 407*

**Presenters:** Young Yee Kim, Amy D. Yamashiro

**Co-Authors:** Linda Hamilton, Sharyn Rosenberg

**Session:** Understanding the Dynamics of the ELL Student Population and Their Academic Achievement Using NAEP Data

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Understanding and Maintaining Quality State-Funded Preschool Programs in the Context of “Real-World” Change and Uncertainty

*Colorado Convention Center / Room 703*

**Presenter:** Eboni C. Howard

**Session:** Understanding Quality in Publicly Funded Preschool Programs: Implications for Child Development, Program Improvement, and Research
Saturday, May 1
10:35 am – 12:05 pm

**Understanding Quality in Publicly Funded Preschool Programs:**
Implications for Child Development, Program Improvement, and Research
*Colorado Convention Center / Room 703*
Chair Eboni C. Howard

**Understanding the Dynamics of the ELL Student Population and Their Academic Achievement Using NAEP Data**
*Colorado Convention Center / Room 407*
Chair Cadelle Hemphill

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Saturday, May 1
12:25 pm – 1:55 pm

**Applying Response to Intervention to English-Language Learners**
*Colorado Convention Center / Room 607*
Presenter Izabela Petrykowska
Session The Complex Ecology of Response to Intervention

**The Complex Ecology of Response to Intervention**
*Colorado Convention Center / Room 607*
Chairs Kathryn V. Drummond, Tessie Rose

**Critical Issues in State Implementation of Response to Intervention**
*Colorado Convention Center / Room 607*
Presenter Tessie Rose
Session The Complex Ecology of Response to Intervention

**High School Response to Intervention**
*Colorado Convention Center / Room 607*
Presenter Jennifer Scala
Co-Author Tessie Rose
Session The Complex Ecology of Response to Intervention

**Identifying and Utilizing Screening and Progress Monitoring Tools**
*Colorado Convention Center / Room 607*
Presenter Allison Gruner Gandhi
Co-Author Whitney Donaldson
Session The Complex Ecology of Response to Intervention

**International Benchmarking: Current Contributions and Future Directions for Policymakers and Researchers**
*Sheraton Denver / Plaza Court 4*
Chair Natalia Pane
Measuring Instruction in Early-College Schools: Looking Across Institutional Boundaries
Sheraton Denver / Grand Ballroom Section 2
Presenter Helen M. Duffy
Session Measuring Instruction in Early-College Schools: Looking Across Institutional Boundaries

Response to Intervention and Identification of Specific Learning Disabilities
Colorado Convention Center / Room 607
Presenter Whitney Donaldson
Session The Complex Ecology of Response to Intervention

Providing Effective Instructional Intervention Within a RTI Framework
Colorado Convention Center / Room 607
Presenter Kathryn V. Drummond
Co-Authors Allison Gruner Gandhi, Amy Klekotka
Session The Complex Ecology of Response to Intervention

Studies in International Benchmarking
Sheraton Denver / Plaza Court 4
Presenter Gary Phillips
Session International Benchmarking: Current Contributions and Future Directions for Policymakers and Researchers

Using Response to Intervention to Reduce Disproportionality and the Achievement Gap
Colorado Convention Center / Room 607
Presenter Darren W. Woodruff
Co-Author Victoria Rankin Marks
Session The Complex Ecology of Response to Intervention

What Is Response to Intervention?
Colorado Convention Center / Room 607
Presenter Amy Klekotka
Co-Author Kathryn V. Drummond
Session The Complex Ecology of Response to Intervention

Protection of Human Subjects in Education Research
Hyatt Regency, Denver / Capitol Ballroom 2
Director George W. Bohrnstedt
Saturday, May 1

2:15 pm – 3:45 pm


*Sheraton Denver / Plaza D*

Presenter: Jessica Heppen
Co-Author: Kirk Walters
Session: Application of Advanced Designs and Statistical Models in Conducting Educational Evaluations: Lessons Learned

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Factors Affecting the Enrollment and Graduation Rates for Science and Engineering Degrees Across Countries

*Sheraton Denver / Grand Ballroom Section 2*

Presenter: Burhan Ogut
Session: Postsecondary Education in an International Context

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Performance-Based Pay in Idaho: A Case Study of a Non-Event

*Sheraton Denver / Grand Ballroom Section 2*

Presenter: Rachel Dinkes
Session: Politics and Governance Roundtable Session: Federal and State Policies

Saturday, May 1

4:05 pm – 5:35 pm

Simultaneous Modeling of Item and Person Dependence Using Multilevel Rasch Measurement Model

*Sheraton Denver / Plaza Court 6*

Co-Author: Ying Jin
Session: Rasch Issues of Dimensionality, Scaling, and Fit

Saturday, May 1

4:05 pm – 6:05 pm

Inequality Into and Through Higher Education

*Colorado Convention Center / Room 701*

Chair: Rita J. Kirshstein

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Sunday, May 2

Sunday, May 2

8:15 am – 10:15 am

Toward a Holistic Research Agenda Into Data and Decisions in Education: Methodological Possibilities for Studying Information Across Systemic Levels

*Sheraton Denver / Governor’s Square 17*

Discussant: Jennifer A. O’Day
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<td>Sharyn Rosenberg</td>
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<td>Delving Deeper Into the Divide: New Ways of Exploring NAEP Data</td>
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<td>Career and Technical Education Statistics at the National Level: Current Trends and Emerging Issues</td>
<td>Sheraton Denver / Grand Ballroom Section 2</td>
<td>Stephanie M. Cronen</td>
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<td>MONDAY, MAY 3 Monday, May 3 8:15 am – 10:15 am</td>
<td>Early Childhood Reading Levels and Performance on NAEP Eighth-Grade Reading Assessment</td>
<td>Sheraton Denver / Plaza Court 6</td>
<td>Enis Dogan, Sharyn Rosenberg</td>
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Monday, May 3
8:15 am – 10:15 am

**Relationship Between Academic Experience in Early Childhood, Selected Demographic and Background Variables, and Performance on NAEP Eighth-Grade Reading Assessment**  
*Sheraton Denver / Plaza Court 6*  
Chair: Cadelle Hemphill

**Schooling Effects on Mortality From 1995 to 2005: A Meta-Analysis**  
*Sheraton Denver / Plaza Court 3*  
Co-Author: Marcela Alejandra Kapusta Movit

**A Statistical Linkage Between NAEP and ECLS Grade 8 Reading Assessments**  
*Sheraton Denver / Plaza Court 6*  
Presenter: Burhan Ogut  
Co-Authors: Enis Dogan, Young Yee Kim  
Session: Relationship Between Academic Experience in Early Childhood, Selected Demographic and Background Variables, and Performance on NAEP Eighth-Grade Reading Assessment

**Understanding the Association Between NSLP, SES, and Reading Among Grade 8 Students in NAEP**  
*Sheraton Denver / Plaza Court 6*  
Presenter: Salvador Rivas  
Co-Author: Burhan Ogut  
Session: Relationship Between Academic Experience in Early Childhood, Selected Demographic and Background Variables, and Performance on NAEP Eighth-Grade Reading Assessment

Monday, May 3
10:35 am – 12:05 pm

**Parental Engagement in Early Child Education: A Study of the National Data**  
*Sheraton Denver / Plaza Court 4*  
Presenter: Lauren Pisani  
Co-Authors: Jing Chen, Jaleh Sorouei  
Session: Understanding and Overcoming Reading Achievement Gaps
Monday, May 3
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**Middle School Mathematics PD Study: Description of the PD Intervention**
*Colorado Convention Center / Room 602*
Presenter: Kirk Walters  
Session: Middle School Mathematics Professional Development Impact Study

**Middle School Mathematics PD Study: Study Design and Methodology**
*Colorado Convention Center / Room 602*
Presenter: Frances Stancavage  
Co-Author: James E. Taylor  
Session: Middle School Mathematics Professional Development Impact Study

**Middle School Mathematics PD Study: Study Results**
*Colorado Convention Center / Room 602*
Presenter: Andrew J. Wayne  
Co-Author: Michael S. Garet  
Session: Middle School Mathematics Professional Development Impact Study

**Social Processes and Pathways Through Education**
*Colorado Convention Center / Room 405*
Chair: Rita J. Kirshstein

Monday, May 3
2:15 pm – 3:45 pm

**Local “Intermediaries“ and Their Role in Faithful Implementation of a Reading Intervention**
*Sheraton Denver / Plaza D*
Presenter: Terry S. Salinger  
Co-Authors: Erin Hamilton, Michele Toplitz  
Session: The Role of Reading and Writing Strategies in Improving Student Learning

**Preparing Undergraduate Students for Working and Learning in a Pluralistic Society**
*Colorado Convention Center / Room 107*
Chair: Rita J. Kirshstein

**A Study of Financial Sustainability Related to KnowledgeWorks Foundation’s Ohio School Transformation Initiative**
*Colorado Convention Center / Korbel Ballroom 3*
Presenter: Tom B. Parrish  
Session: Accountability Policy Poster Session
### Monday, May 3

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<td>Co-Author: Coretta J. Mallery</td>
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<tr>
<td>Poster Session I</td>
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<td>Escaping the Projects in Chicago: While Still Facing the Lingering Effects of Its Racial Divide</td>
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<td>Session: Emerging Scholars Program</td>
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<tr>
<td>Emerging Scholars Program</td>
<td>Pathways Through Which Neighborhoods Impact Adolescent Academic Performance and the Role of Residential Mobility</td>
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### TUESDAY, MAY 4

**Tuesday, May 4**

**8:15 am – 9:45 am**

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**10:35 am – 12:05 pm**

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<td>Chair: Marlene J. Darwin</td>
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The Collaborative Strategic Reading Study and Implementation Fidelity
*Colorado Convention Center / Room 203*
Co-Author: Anja Kurki
Session: Measuring Implementation in Large-Scale Studies of Reading Interventions

The Early-Reading Professional Development Study and Implementation Fidelity
*Colorado Convention Center / Room 203*
Presenter: Anja Kurki
Session: Measuring Implementation in Large-Scale Studies of Reading Interventions

The Enhanced Reading Opportunities Study and Implementation Fidelity
*Colorado Convention Center / Room 203*
Presenter: Courtney C. Zmach
Co-Authors: Kathryn V. Drummond, Terry S. Salinger
Session: Measuring Implementation in Large-Scale Studies of Reading Interventions

On the Education of English-Language Learners: An Agenda for Federally Funded Research
*Sheraton Denver / Plaza E*
Co-Author: Jennifer A. O'Day
Session: Policy Implementation, Funding, and Research on Title III Accountability and English Language Acquisition

Policy Implementation, Funding, and Research on Title III Accountability and English Language Acquisition
*Sheraton Denver / Plaza E*
Chair: Jennifer A. O’Day

State of the States: An Overview of Title III Implementation
*Sheraton Denver / Plaza E*
Presenters: Andrea Boyle, Courtney Tanenbaum
Co-Author: James E. Taylor
Session: Policy Implementation, Funding, and Research on Title III Accountability and English Language Acquisition
Tuesday, May 4
10:35 am – 12:05 pm

The Thinking Reader Software Intervention Study and Implementation Fidelity
*Colorado Convention Center / Room 203*

Presenter: Kathryn V. Drummond  
Co-Author: Courtney C. Zmach  
Session: Measuring Implementation in Large-Scale Studies of Reading Interventions

Tuesday, May 4
2:15 pm – 3:45 pm

Design and Analysis of a Large-Scale Middle-Grades Survey
*Sheraton Denver / Plaza D*

Co-Author: Jesse D. Levin  
Session: Gaining Ground in the Middle Grades: Why Some Schools Do Better

Gaining Ground in the Middle Grades: Findings and Significance of a Large-Scale Survey of Middle-Grades Practices
*Sheraton Denver / Plaza D*

Co-Author: Jesse D. Levin  
Session: Gaining Ground in the Middle Grades: Why Some Schools Do Better
Index of Presentations by Topic

Career and Technical Education

Monday, May 3
8:15 am – 9:45 am

Career and Technical Education Statistics at the National Level:
Current Trends and Emerging Issues
Sheraton Denver / Grand Ballroom Section 2
Presenter: Stephanie M. Cronen
Session: CTE Learning and Outcomes

Comprehensive School Reform

Saturday, May 1
8:15 am – 10:15 am

Reviewing the Evidence on Turnaround Schools
Sheraton Denver / Governor’s Square 11
Presenter: Rebecca Herman
Session: Exploring School Turnaround: Defining the Concept,
Examining the Research, and Achieving Success

Saturday, May 1
8:15 am – 10:15 am

Studying Turnaround Schools
Sheraton Denver / Governor’s Square 11
Presenters: Daniel K. Aladjem, Beatrice F. Birman
Session: Exploring School Turnaround: Defining the Concept,
Examining the Research, and Achieving Success

Saturday, May 1
12:25 pm – 1:55 pm

Measuring Instruction in Early-College Schools: Looking Across
Institutional Boundaries
Sheraton Denver / Grand Ballroom Section 2
Presenter: Helen M. Duffy
Session: Measuring Instruction in Early-College Schools: Looking
Across Institutional Boundaries

Districts in Research and Reform

Friday, April 30
6:15 pm – 7:45 pm

Implications of Federal (Race to the Top/I3) Funding for School
Districts: Conversations With Key Leaders and Funders
Sheraton Denver / Plaza Court 1
Participant: Jennifer A. O’Day
Early Education and Child Development

Saturday, May 1
10:35 am – 12:05 pm

Profiles of Peer Interactions and Their Relation to School Readiness in Head Start: Physical Aggression, Relational Aggression, and Prosocial Behavior
Colorado Convention Center / Room 610, 612
Presenter Ann-Marie Faria
Session Examining School Readiness in Early Childhood Education

Saturday, May 1
10:35 am – 12:05 pm

Understanding and Maintaining Quality State-Funded Preschool Programs in the Context of “Real-World” Change and Uncertainty
Colorado Convention Center / Room 703
Presenter Eboni C. Howard
Session Understanding Quality in Publicly Funded Preschool Programs: Implications for Child Development, Program Improvement, and Research

Saturday, May 1
10:35 am – 12:05 pm

Understanding Quality in Publicly Funded Preschool Programs: Implications for Child Development, Program Improvement, and Research
Colorado Convention Center / Room 703
Chair Eboni C. Howard

Education, Health, and Human Services Linkages

Monday, May 3
8:15 am – 10:15 am

Schooling Effects on Mortality From 1995 to 2005: A Meta-Analysis
Sheraton Denver / Plaza Court 3
Co-Author Marcela Alejandra Kapusta Movit
Session Linking Education, Health, and Human Services for Students From Vulnerable Populations

Educational Policy and Politics

Accountability Policy

Saturday, May 1
12:25 pm – 1:55 pm

International Benchmarking: Current Contributions and Future Directions for Policymakers and Researchers
Sheraton Denver / Plaza Court 4
Chair Natalia Pane
Saturday, May 1 12:25 pm – 1:55 pm  

**Studies in International Benchmarking**  
*Sheraton Denver / Plaza Court 4*  
**Presenter** Gary Phillips  
**Session** International Benchmarking: Current Contributions and Future Directions for Policymakers and Researchers

Monday, May 3 2:15 pm – 3:45 pm  

**A Study of Financial Sustainability Related to KnowledgeWorks Foundation’s Ohio School Transformation Initiative**  
*Colorado Convention Center / Korbel Ballroom 3*  
**Presenter** Tom B. Parrish  
**Session** Accountability Policy Poster Session

**International Policy and Politics**  
Saturday, May 1 2:15 pm – 3:45 pm  

**Factors Affecting the Enrollment and Graduation Rates for Science and Engineering Degrees Across Countries**  
*Sheraton Denver / Grand Ballroom Section 2*  
**Presenter** Burhan Ogut  
**Session** Postsecondary Education in an International Context

**Politics and Governance**  
Saturday, May 1 2:15 pm – 3:45 pm  

**Performance-Based Pay in Idaho: A Case Study of a Non-Event**  
*Sheraton Denver / Grand Ballroom Section 2*  
**Presenter** Rachel Dinkes  
**Session** Politics and Governance Roundtable Session: Federal and State Policies

**International Studies**  
Friday, April 30 12:00 pm – 1:30 pm  

**International Studies on Student Behavioral Problems and At-Risk Student Populations**  
*Colorado Convention Center / Room 710*  
**Discussant** David C. Miller

Friday, April 30 2:15 pm – 3:45 pm  

**Supporting Novice Teachers in Egypt: The Development and Evaluation of an Induction/Mentoring Program**  
*Colorado Convention Center / Room 109, 111, 113*  
**Presenter** Yasser Youssif Hashem  
**Session** Global Perspectives on Teacher Training and Leadership Development
Saturday, May 1
8:15 am – 9:45 am
International Studies on Academic Achievement Using Hierarchical Linear Modeling
Colorado Convention Center / Room 710
Chair: David C. Miller

Learning and Instruction

Cognitive, Social, and Motivational Processes

Saturday, May 1
10:35 am – 12:05 pm
An Experiment on Scaffolding Exploration of Science Simulations
Colorado Convention Center / Korbel Ballroom 2
Presenter: Yan Wang
Session: A Synthesis of Theoretical and Empirical Research Into Metacognitive Monitoring: Past, Present, and Future

Reading, Writing, and Language Arts

Monday, May 3
4:05 pm – 5:35 pm
Promoting Literacy-Related Behaviors Among Low-Income Families Using Social Marketing Principles and Audience Research
Colorado Convention Center / Room 103
Presenter: Margarita Hurtado
Session: The Ready-to-Learn Initiative: A 360-Degree Surround Approach to Enhancing Early Literacy Skills

Tuesday, May 4
10:35 am – 12:05 pm
The Collaborative Strategic Reading Study and Implementation Fidelity
Colorado Convention Center / Room 203
Co-Author: Anja Kurki
Session: Measuring Implementation in Large-Scale Studies of Reading Interventions

Tuesday, May 4
10:35 am – 12:05 pm
The Early-Reading Professional Development Study and Implementation Fidelity
Colorado Convention Center / Room 203
Presenter: Anja Kurki
Session: Measuring Implementation in Large-Scale Studies of Reading Interventions
Tuesday, May 4
10:35 am – 12:05 pm

The Enhanced Reading Opportunities Study and Implementation Fidelity
*Colorado Convention Center / Room 203*
Presenter: Courtney C. Zmach
Co-Authors: Kathryn V. Drummond, Terry S. Salinger
Session: Measuring Implementation in Large-Scale Studies of Reading Interventions

Tuesday, May 4
10:35 am – 12:05 pm

The Thinking Reader Software Intervention Study and Implementation Fidelity
*Colorado Convention Center / Room 203*
Presenter: Kathryn V. Drummond
Co-Author: Courtney C. Zmach
Session: Measuring Implementation in Large-Scale Studies of Reading Interventions

Science

Saturday, May 1
8:15 am – 9:45 am

An Efficacy Study on the Integration of Optimized Simulations Into the High School Chemistry Curriculum
*Colorado Convention Center / Room 205*
Co-Author: Yan Wang
Session: Facilitating Science Learning With Technology

Saturday, May 1
8:15 am – 9:45 am

Exploring the Possibilities for Narrative in the Use of Multimedia Simulations for the Teaching and Learning of Chemistry
*Colorado Convention Center / Room 205*
Co-Author: Yan Wang
Session: Facilitating Science Learning With Technology

Technology Research

Monday, May 3
4:05 pm – 5:35 pm

Distance Learning Retention: Multilevel Analysis at the Crossroads of Disability Status
*Colorado Convention Center / Korbel Ballroom 3*
Co-Author: Coretta J. Mallory
Session: Poster Session I
Measurement and Research Methodology

Sunday, May 2
8:15 am – 10:15 am

Toward a Holistic Research Agenda Into Data and Decisions in Education: Methodological Possibilities for Studying Information Across Systemic Levels
Sheraton Denver / Governor’s Square 17
Discussant Jennifer A. O’Day

NAEP Studies

Sunday, May 2
6:15 pm – 7:45 pm

Delving Deeper Into the Divide: New Ways of Exploring NAEP Data
Sheraton Denver / Governor’s Square 17
Chair Natalia Pane
Participant Cadelle Hemphill

Monday, May 3
8:15 am – 10:15 am

Early Childhood Reading Levels and Performance on NAEP Eighth-Grade Reading Assessment
Sheraton Denver / Plaza Court 6
Presenter Enis Dogan
Co-Author Sharyn Rosenberg
Session Relationship Between Academic Experience in Early Childhood, Selected Demographic and Background Variables, and Performance on NAEP Eighth-Grade Reading Assessment

Monday, May 3
8:15 am – 10:15 am

Modeling the Effects of Academic Self-Concept on NAEP Grade 8 Reading Achievement
Sheraton Denver / Plaza Court 6
Presenter Young Yee Kim
Co-Author Chaturont Santrakul
Session Relationship Between Academic Experience in Early Childhood, Selected Demographic and Background Variables, and Performance on NAEP Eighth-Grade Reading Assessment

Monday, May 3
8:15 am – 10:15 am

Relationship Between Academic Experience in Early Childhood, Selected Demographic and Background Variables, and Performance on NAEP Eighth-Grade Reading Assessment
Sheraton Denver / Plaza Court 6
Chair Cadelle Hemphill
Monday, May 3
8:15 am – 10:15 am

A Statistical Linkage Between NAEP and ECLS Grade 8 Reading Assessments
Sheraton Denver / Plaza Court 6
Presenter Burhan Ogut
Co-Authors Enis Dogan, Young Yee Kim
Session Relationship Between Academic Experience in Early Childhood, Selected Demographic and Background Variables, and Performance on NAEP Eighth-Grade Reading Assessment

Monday, May 3
8:15 am – 10:15 am

Understanding the Association Between NSLP, SES, and Reading Among Grade 8 Students in NAEP
Sheraton Denver / Plaza Court 6
Presenter Salvador Rivas
Co-Author Burhan Ogut
Session Relationship Between Academic Experience in Early Childhood, Selected Demographic and Background Variables, and Performance on NAEP Eighth-Grade Reading Assessment

Postsecondary Education
Faculty, Curriculum, and Teaching

Monday, May 3
2:15 pm – 3:45 pm

Preparing Undergraduate Students for Working and Learning in a Pluralistic Society
Colorado Convention Center / Room 107
Chair Rita J. Kirshstein

Postsecondary Education

Friday, April 30
12:00 pm – 1:30 pm

Delivering on the Promise: An Impact Evaluation of the Gates Millennium Scholars Program
Colorado Convention Center / Room 103
Presenter Lauren Banks Amos
Co-Authors Iliana Brodziak, Wehmah Jones, Amy Windham
Session The GMS Promise: Perspectives on the Impact of the Gates Millennium Scholars Program on Postsecondary Access, Completion, and Outcomes
Presidential Address and Awards Presentation

Sunday, May 2
4:05 pm – 6:05 pm

Presidential Address and Awards Presentation
Colorado Convention Center / Four Seasons Ballroom 2 & 3
Participant Jennifer A. O’Day

Professional Development Course

Thursday, April 29
9:00 am – 5:00 pm

Early Childhood Surveys at the National Center for Education Statistics: The ECLS and NHES Studies
Hyatt Regency, Denver / Capitol Ballroom 5
Instructors Amy H. Rathbun, Jill T. Walston

Thursday, April 29
9:00 am – 5:00 pm

Hyatt Regency, Denver / Capitol Ballroom 4
Instructor David C. Miller

Saturday, May 1
1:00 pm – 5:00 pm

Protection of Human Subjects in Education Research
Hyatt Regency, Denver / Capitol Ballroom 2
Director George W. Bohrnstedt

Rasch Measurement

Saturday, May 1
4:05 pm – 5:35 pm

Simultaneous Modeling of Item and Person Dependence Using Multilevel Rasch Measurement Model
Sheraton Denver / Plaza Court 6
Co-Author Ying Jin
Session Rasch Issues of Dimensionality, Scaling, and Fit

Research, Evaluation, and Assessment in Schools

Applied Research in the Schools

Saturday, May 1
8:15 am – 9:45 am

Studying the Effect of the LANGUAGE! Program on the Reading Achievement of Struggling Adolescent Readers
Sheraton Denver / Grand Ballroom Section 2
Presenters Marjorie Chinen, Courtney C. Zmach
Session Hierarchical Linear Modeling Analysis of Student Growth Data and School Effects
Tuesday, May 4  
2:15 pm – 3:45 pm  
**Design and Analysis of a Large-Scale Middle-Grades Survey**  
*Sheraton Denver / Plaza D*  
Co-Author: Jesse D. Levin  
Session: Gaining Ground in the Middle Grades: Why Some Schools Do Better

Tuesday, May 4  
2:15 pm – 3:45 pm  
**Gaining Ground in the Middle Grades: Findings and Significance of a Large-Scale Survey of Middle-Grades Practices**  
*Sheraton Denver / Plaza D*  
Co-Author: Jesse D. Levin  
Session: Gaining Ground in the Middle Grades: Why Some Schools Do Better

Program Evaluation in School Settings

Saturday, May 1  
10:35 am – 12:05 pm  
**Examining the Effectiveness of NSF-Supported STEM Education Programs: A Portfolio Review Approach**  
*Sheraton Denver / Plaza D*  
Presenter: Kwang Suk Yoon  
Co-Author: Mengli Song  
Session: Alternative Methods of Educational Evaluations

Saturday, May 1  
2:15 pm – 3:45 pm  
**Estimating Comprehensive Impacts of Education Interventions: How a Study of Online Algebra Measures “Ripple Effects”**  
*Sheraton Denver / Plaza D*  
Presenter: Jessica Heppen  
Co-Author: Kirk Walters  
Session: Application of Advanced Designs and Statistical Models in Conducting Educational Evaluations: Lessons Learned

Monday, May 3  
2:15 pm – 3:45 pm  
**Local “Intermediaries” and Their Role in Faithful Implementation of a Reading Intervention**  
*Sheraton Denver / Plaza D*  
Presenter: Terry S. Salinger  
Co-Authors: Erin Hamilton, Michele Toplitz  
Session: The Role of Reading and Writing Strategies in Improving Student Learning
Research in Reading and Literacy

Monday, May 3
10:35 am – 12:05 pm

**Parental Engagement in Early Child Education: A Study of the National Data**
*Sheraton Denver / Plaza Court 4*
Presenter: Lauren Pisani
Co-Authors: Jing Chen, Jaleh Soroui
Session: Understanding and Overcoming Reading Achievement Gaps

School Effectiveness and School Improvement

Friday, April 30
4:05 pm – 5:35 pm

**Identifying and Learning From High-Performing, High-Needs Schools in California**
*Sheraton Denver / Grand Ballroom Section 2*
Presenters: Tom B. Parrish, Larisa Shambaugh
Session: School Effectiveness and School Improvement: Leadership and Change for School Improvement

Second Language Research

Saturday, May 1
10:35 am – 12:05 pm

**Exploring Achievement Gaps Between English-Language Learners (ELL) and Non-ELL Students in NAEP Mathematics**
*Colorado Convention Center / Room 407*
Presenters: Young Yee Kim, Alan Vanneman
Session: Understanding the Dynamics of the ELL Student Population and Their Academic Achievement Using NAEP Data

Saturday, May 1
10:35 am – 12:05 pm

**Identifying English-Language Learners for NAEP and Large-Scale Assessments: Challenges and Considerations**
*Colorado Convention Center / Room 407*
Presenters: Laura Bufford, Amy D. Yamashiro
Session: Understanding the Dynamics of the ELL Student Population and Their Academic Achievement Using NAEP Data
Saturday, May 1
10:35 am – 12:05 pm

Looking to the Past, to Help the Future: Using Retired NAEP Variables to Improve ELL Identification
Colorado Convention Center / Room 407
Presenters Salvador Rivas, Ebony Walton
Co-Authors Molly Abend, Steven Gorman
Session Understanding the Dynamics of the ELL Student Population and Their Academic Achievement Using NAEP Data

Saturday, May 1
10:35 am – 12:05 pm

Profiling the Dynamics and Complexity of the ELL Student Population in NAEP
Colorado Convention Center / Room 407
Presenters Young Yee Kim, Amy D. Yamashiro
Co-Authors Linda Hamilton, Sharyn Rosenberg
Session Understanding the Dynamics of the ELL Student Population and Their Academic Achievement Using NAEP Data

Saturday, May 1
10:35 am – 12:05 pm

Understanding the Dynamics of the ELL Student Population and Their Academic Achievement Using NAEP Data
Colorado Convention Center / Room 407
Chair Cadelle Hemphill

Tuesday, May 4
10:35 am – 12:05 pm

On the Education of English-Language Learners: An Agenda for Federally Funded Research
Sheraton Denver / Plaza E
Co-Author Jennifer A. O’Day
Session Policy Implementation, Funding, and Research on Title III Accountability and English Language Acquisition

Tuesday, May 4
10:35 am – 12:05 pm

Policy Implementation, Funding, and Research on Title III Accountability and English Language Acquisition
Sheraton Denver / Plaza E
Chair Jennifer A. O’Day

Tuesday, May 4
10:35 am – 12:05 pm

State of the States: An Overview of Title III Implementation
Sheraton Denver / Plaza E
Presenter James E. Taylor
Co-Authors Andrea Boyle, Courtney Tanenbaum
Session Policy Implementation, Funding, and Research on Title III Accountability and English Language Acquisition
Sociology of Education

Saturday, May 1
4:05 pm – 6:05 pm
Inequality Into and Through Higher Education
Colorado Convention Center / Room 701
Chair Rita J. Kirshstein

Monday, May 3
12:25 pm – 1:55 pm
Social Processes and Pathways Through Education
Colorado Convention Center / Room 405
Chair Rita J. Kirshstein

Special Education Research

Saturday, May 1
12:25 pm – 1:55 pm
Applying Response to Intervention to English-Language Learners
Colorado Convention Center / Room 607
Presenter Izabela Petrykowska
Session The Complex Ecology of Response to Intervention

Saturday, May 1
12:25 pm – 1:55 pm
The Complex Ecology of Response to Intervention
Colorado Convention Center / Room 607
Chairs Kathryn V. Drummond, Tessie Rose

Saturday, May 1
12:25 pm – 1:55 pm
Critical Issues in State Implementation of Response to Intervention
Colorado Convention Center / Room 607
Presenter Tessie Rose
Session The Complex Ecology of Response to Intervention

Saturday, May 1
12:25 pm – 1:55 pm
High School Response to Intervention
Colorado Convention Center / Room 607
Presenter Jennifer Scala
Co-Author Tessie Rose
Session The Complex Ecology of Response to Intervention

Saturday, May 1
12:25 pm – 1:55 pm
Identifying and Utilizing Screening and Progress Monitoring Tools
Colorado Convention Center / Room 607
Presenter Allison Gruner Gandhi
Co-Author Whitney Donaldson
Session The Complex Ecology of Response to Intervention
Providing Effective Instructional Intervention Within a RTI Framework  
*Colorado Convention Center / Room 607*  
*Presenter* Kathryn V. Drummond  
*Co-Authors* Allison Gruner Gandhi, Amy Klekotka  
*Session* The Complex Ecology of Response to Intervention

Response to Intervention and Identification of Specific Learning Disabilities  
*Colorado Convention Center / Room 607*  
*Presenter* Whitney Donaldson  
*Session* The Complex Ecology of Response to Intervention

Using Response to Intervention to Reduce Disproportionality and the Achievement Gap  
*Colorado Convention Center / Room 607*  
*Presenter* Darren W. Woodruff  
*Co-Author* Victoria Rankin Marks  
*Session* The Complex Ecology of Response to Intervention

What Is Response to Intervention?  
*Colorado Convention Center / Room 607*  
*Presenter* Amy Klekotka  
*Co-Author* Kathryn V. Drummond  
*Session* The Complex Ecology of Response to Intervention

*Colorado Convention Center / Korbel Ballroom 2*  
*Presenters* Jenifer Harr-Robins, Tom B. Parrish, Larisa S. Shambaugh  
*Session* Response to Intervention

Teaching and Teacher Education

Literacy Coaching Practices and Impacts in a Study of Professional Development in Early Reading Instruction  
*Colorado Convention Center / Korbel Ballroom 2*  
*Presenter* Marian Eaton  
*Co-Authors* Stephanie M. Cronen, Michael S. Garet, Anja Kurki  
*Session* Coaching, Community, and Collaboration as Professional Development for Literacy and Reading Instruction
Monday, May 3
12:25 pm – 1:55 pm

**Middle School Mathematics PD Study: Description of the PD Intervention**
*Colorado Convention Center / Room 602*
Presenter: Kirk Walters
Session: Middle School Mathematics Professional Development Impact Study

Monday, May 3
12:25 pm – 1:55 pm

**Middle School Mathematics PD Study: Study Design and Methodology**
*Colorado Convention Center / Room 602*
Presenter: Frances Stancavage
Co-Author: James E. Taylor
Session: Middle School Mathematics Professional Development Impact Study

Monday, May 3
12:25 pm – 1:55 pm

**Middle School Mathematics PD Study: Study Results**
*Colorado Convention Center / Room 602*
Presenter: Andrew J. Wayne
Co-Author: Michael S. Garet
Session: Middle School Mathematics Professional Development Impact Study

Tuesday, May 4
10:35 am – 12:05 pm

**Beliefs, Strategies, and Approaches Related to Inclusive Classroom Ecologies**
*Colorado Convention Center / Room 704*
Chair: Marlene J. Darwin

**Test Validity Research and Evaluation**

Sunday, May 2
2:15 pm – 3:45 pm

**Multilevel Validity: Assessing the Validity of School-Level Inferences From Student Achievement Test Data**
*Sheraton Denver / Plaza Court 3*
Presenter: Sharyn Rosenberg
Session: A Multilevel View of Test Validity
### AERA SPECIAL SESSIONS

#### AERA Governing Committees

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<td>Friday, April 30</td>
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<td>AERA Ethics Committee—Closed Meeting</td>
<td>Hyatt Regency, Denver / Limestone</td>
<td>George W. Bohrnstedt</td>
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<td>AERA Communication and Outreach Committee—Closed Meeting</td>
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<td>Beatrice F. Birman, Larry McQuillan</td>
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#### AERA Emerging Scholars Sessions

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<td>Monday, May 3</td>
<td>4:05 pm – 6:05 pm</td>
<td>Escaping the Projects in Chicago: While Still Facing the Lingering Effects of Its Racial Divide</td>
<td>Colorado Convention Center / Room 501–504</td>
<td>Andrea S. Wilson</td>
<td>Emerging Scholars Program</td>
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<tr>
<td>Monday, May 3</td>
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<td>Pathways Through Which Neighborhoods Impact Adolescent Academic Performance and the Role of Residential Mobility</td>
<td>Colorado Convention Center / Room 501–504</td>
<td>Samantha Francois</td>
<td>Emerging Scholars Program</td>
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### The National Council on Measurement in Education 2010 Annual Conference

The National Council on Measurement in Education (NCME) is holding its 2010 annual conference at the Sheraton Denver Downtown Hotel in conjunction with AERA's annual meeting. AIR staff will also be making the following presentations at the NCME conference:

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<tr>
<td><strong>Thursday, April 29</strong></td>
<td>8:00 am – 5:00 pm</td>
<td><strong>Beyond NDE: Understanding and Working With National Assessment of Educational Progress (NAEP) Restricted-Use Data</strong></td>
<td>Sheraton Denver Downtown / Gold Room, EE</td>
<td>Linda Hamilton, Young Yee Kim, Burhan Ogut, Alan Vanneman</td>
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<tr>
<td></td>
<td></td>
<td><strong>Score Drift: Why District and State Achievement Results Unexpectedly Bounce Up and Down From Year to Year</strong></td>
<td>Sheraton Denver Downtown / Denver Room, NN</td>
<td>Gary Phillips</td>
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<tr>
<td><strong>Friday, April 30</strong></td>
<td>8:00 am – 5:00 pm</td>
<td><strong>Mixture IRT—Paper Session</strong></td>
<td>Sheraton Denver Downtown / Century Room, D2</td>
<td>Werner Wothke</td>
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<td><strong>Saturday, May 1</strong></td>
<td>2:15 pm – 3:45 pm</td>
<td><strong>Investigating Effect of Ignoring Hierarchical Data Structures on Accuracy of Vertical Scaling Using Mixed-Effects Rasch Model</strong></td>
<td>Sheraton Denver Downtown / Silver Room, H4</td>
<td>Ying Jin</td>
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<td><strong>Sunday, May 2</strong></td>
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<td><strong>The Case of Honduras, Challenges and Lessons Learned</strong></td>
<td>Sheraton Denver Downtown / Silver Room, K4</td>
<td>Michael Fast</td>
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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.

Up to three fellows are selected annually for 2-year positions at AIR’s corporate headquarters in Washington, D.C.

To learn more about AIR and career opportunities, visit the AIR Web site at: http://www.air.org.

To learn more about the program and how to apply, visit the AERA Web site, http://www.aera.net, or the AIR Web site, http://www.air.org.