

**Empirical Education Inc. Presentations at the
American Educational Research Association 2008 Annual Meeting
New York, NY, March 24-28, 2008**

Evaluating Alabama's Math, Science, and Technology Initiative: Initial Results of a Statewide Randomized Experiment

Tuesday March 25, 10:35am to 12:05pm

Division: Division H-School Evaluation and Program Development
Section 2: Program Evaluation in School Settings

Chair: Ludwig D. Vanbroekhuizen (University of North Carolina – Greensboro)

Participants: Steve Ricks (Alabama Department of Education)
Background and Policy Context of AMSTI in the State of Alabama
Denis Newman (Empirical Education Inc.)
Experimental Design in the AMSTI Evaluation
Richard James Sawyer, Amy Lynn Detgen, Cheri L. Fancsali, Valerie Futch, Lindsay Gutekunst, Matthijs Koopmans, Linda Simkin, & Lea Williams Rose (Academy for Educational Development)
Preliminary Results From the AMSTI Implementation Study
Laurel Sterling & Denis Newman (Empirical Education Inc.)
Quantitative Results From the First Year of the AMSTI Study
Andrew P. Jaciw & Boya Ma (Empirical Education Inc.)
Extensions of the Analysis of the AMSTI Experiment Using Mediation and Quasi-Experimental Techniques

Discussant: Sean F. Reardon (Stanford University)

New York Marriott Marquis Times Square / O'Neill Room, 4th Floor

Research on Reform in Science Instruction

Wednesday March 26, 8:15am to 9:45am

Division: Division H-School Evaluation and Program Development
Section 1: Applied Research in the Schools

Participants: **Gloria I. Miller (Empirical Education Inc. and Stanford University)**
Multisite Randomized Field Trial of an Elementary Science Curriculum

New York Marriott Marquis Times Square / Barrymore Room, 9th Floor

Div D Poster Session: Measurement, Quantitative, and Qualitative Research Methodology

Wednesday March 26, 12:25pm to 1:55pm

Division: Division D-Measurement and Research Methodology

Participants: [Andrew P. Jaciw & Boya Ma \(Empirical Education Inc.\)
Effects of Pairing on Moderator Estimates: Lessons From Nine Group
Randomized Trials](#)

Hilton New York / Americas Hall, 3rd Floor

Digital Tools for Learning

Thursday March 27, 12:25pm to 1:55pm

Division: Division C-Learning and Instruction
Section 7: Technology Research

Participants: [Brandon Hoshiko \(Empirical Education Inc.\)
Comparative Effectiveness of the TI-84 Graphing Calculator on
Geometry Outcomes](#)

Hilton New York / Americas Hall, 3rd Floor

Applications of Survey Research Methods in Education

Thursday March 27, 12:25pm to 1:05pm

Division: SIG-Survey Research in Education

Participants: [Megan Toby \(Empirical Education Inc.\)
Measuring Time and Implementation in the Alabama Mathematics,
Science, and Technology Initiative](#)

Sheraton New York Hotel & Towers / Metropolitan Ballroom, Metropolitan East, 2nd Floor

Matched Samples and Propensity Score Methods

Friday March 28, 12:25pm to 1:55pm

Division: Division D-Measurement and Research Methodology
Section 2: Quantitative Methods and Statistical Theory

Participants: [Andrew P. Jaciw, Xin Wei & Boya Ma \(Empirical Education Inc.\)
Matched-Pairs Designs and Standard Errors of Impact Estimates:
Lessons From 10 Experiments](#)

Crowne Plaza Hotel Times Square / Room 405, 4th Floor