

### **Topics in Test Validity Research and Evaluation**

8:15am - 10:15am, Building/Room:  
Sheraton Denver/Governor's Square 12  
**Eric Snow** — "A Generalizability Investigation of Cognitive Demand and Rigor Ratings of Items and Standards in an Alignment Study"

### **Curricula That Combine Features and Processes of Informal and Formal Contexts of Student Learning: Comparing the Envisioned, Realized, and Enacted Principles for the Design of Three Elementary Science Units**

10:35am - 12:05pm, Building/Room:  
Sheraton Denver/Governor's Square 9  
**Britte Cheng** — "Implementing Added-Value Technology to Science Instruction Using Teachable Agents"  
**William Penuel, Britte Cheng, Christopher Harris** — "Enacting a Socially Centered Design in the Classroom: Comparing Two Teachers' Uptake of Student Questions"  
**William Penuel** — Chair

### **STEM Learning Opportunities in Out-of-School Settings: Findings From a First Generation of Field-Building Studies**

4:05pm - 5:35pm, Building/Room:  
Colorado Convention Center/Room 101  
**Vera Michalchik, Ruchi Bhanot, Julie Remold, Patrick Shields** — "Out-of-School-Time Science: It's Not What You Think"

### **The Ready-to-Learn Initiative: A 360-Degree Surround Approach to Enhancing Early Literacy Skills**

4:05pm - 5:35pm, Building/Room:  
Colorado Convention Center/Room 103  
**William Penuel** — "Results from the Summative Evaluation of the Ready-to-Learn Initiative"

## **TUESDAY, MAY 4**

### **Implementing Best-Practice Methodology Given School Realities: Approaches From a Middle School Science Intervention Evaluation**

8:15am - 9:45am, Building/Room:  
Sheraton Denver/ Plaza D  
**William Penuel** — Discussant

### **Teacher Compensation Reform: Lessons From Texas**

10:35am - 12:05pm, Building/Room:  
Sheraton Denver/Governor's Square 10  
**H. Alix Gallagher** — Discussant

### **Online Learning Research: Improving the Status Quo**

12:25pm - 1:55pm, Building/Room:  
Colorado Convention Center/Room 205  
**Marianne Bakia, Kyra Caspary** — "Using Educational Data Systems to Support Policy-Relevant Online Learning Research"  
**Barbara Means, Robert Murphy, Yukie Toyama** — "Limitations of Experimental and Quasi-Experimental Studies as a Guide to Practice in Online Learning"

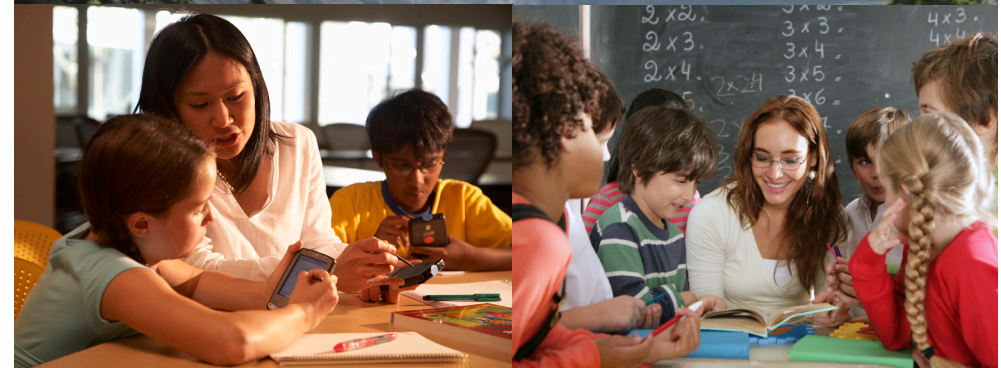
### **Retooling Assessment and Evaluation Procedures**

12:25pm - 1:55pm, Building/Room:  
Colorado Convention Center/Room 602  
**Jose Blackorby** — Discussant

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## **FRIDAY, APRIL 30**

### **The Ecology of District Intervention: Findings From an Evaluation of District Capacity Building in California**

4:05pm - 5:35pm, Building/Room:  
Sheraton Denver/ Governor's Square 15  
**Juliet Tiffany-Morales** — "Building Effective Technical Assistance Systems: Findings From the DAIT Pilot Evaluation"  
**Christine Padilla** — "District Readiness and Capacity Building"

## **SATURDAY, MAY 1**

### **The State of Mathematics and Science Professional Development and Teacher Needs**

8:15am - 9:45am, Building/Room:  
Colorado Convention Center/Korbel Ballroom 3

**Ruchi Bhanot, Julie Remold, Vera Michalchik** — "Teachers' Participation in Informal STEM Learning Environments: Toward Understanding the Impact of Different Framings on Outcomes"

### **Content Validity: Alignment to Grade-Level Content Standards in Alternate Assessment Judged Against Alternate Achievement Standards**

10:35am - 12:05pm, Building/Room:  
Sheraton Denver/Grand Ballroom Section 2

**Geneva Haertel, Renee Cameto** — "Mathematics Domain Analysis: Prioritizing Grade-Level Academic Content for Alternate Assessments — Alternate Academic Achievement Standards"

**Exploring National Data Statistics**

10:35am - 12:05pm, Building/Room:  
Colorado Convention Center/Room 206  
**Xin Wei, Jose Blackorby, Keith Lenz**  
— “Math Growth Trajectories of Students  
with Disabilities: Disability Category,  
Gender, and Racial Differences from  
Ages 7 to 17”

**Xin Wei, Jose Blackorby, Ellen  
Schiller** — “Growth in Reading  
Achievement Among a National Sample  
of Students With Disabilities Ages 7 to 17”

**Understanding Quality in Publicly  
Funded Preschool Programs:**

**Implications for Child Development,  
Program Improvement, and Research**  
10:35am - 12:05pm, Building/Room:  
Colorado Convention Center/Room 703  
**Donna Spiker, Mario Snow, Erika  
Gaylor** — “Understanding and  
Maintaining Quality State-Funded  
Preschool Programs in the Context of  
‘Real-World’ Change and Uncertainty”

**Creating Networks Across the Board  
to Enhance Educational Achievement**

12:25pm - 1:55pm, Building/Room:  
Colorado Convention Center/Korbel  
Ballroom 3  
**William Penuel** — “The Alignment of  
the Informal and Formal Organizational  
Supports for Reform: Implications for  
Improving Teaching in Schools”

**Focus on Diverse and Innovative  
Projects and Methodologies in  
Informal Learning**

12:25pm - 1:55pm, Building/Room:  
Colorado Convention Center/Korbel  
Ballroom 3  
**Christopher Harris** — “Using a Novel  
Methodology to Study Free-Choice  
Family Learning Experiences at  
Telescope-Observing Events”

**Innovation Around the World:  
Teaching, Learning, and Country  
Context in an International Education  
Reform Program**

2:15pm - 3:45pm, Building/Room:  
Colorado Convention Center/Room 201  
**Linda Shear, Corinne Singleton, Torie  
Gorges** — “Introduction to the ISP and  
Global Evaluation Methods”

**Methods for Assessing the Impact  
of Teacher Induction Programs:  
Possibilities and Limitations**

2:15pm - 3:45pm, Building/Room:  
Sheraton Denver/ Governor’s Square 15  
**Marjorie Wechsler, Daniel Humphrey,  
Kyra Caspary** — “Using Mixed Methods  
to Understand the Implementation and  
Outcomes of New-Teacher Induction”

**What Mediates Out-of-School Program  
Success? The Role of Parents and  
Other Factors**

2:15pm - 3:45pm, Building/Room:  
Colorado Convention Center/Room 101  
**William Penuel** — “Addressing the  
Summer Learning Gap: Model Programs  
With Articulation Across School and  
Summer Settings”

**Attitudes, Affect, and Dispositions  
in Mathematics and STEM Learning:  
Incorporating Affect in Learning  
Sciences Research**

4:05pm - 6:05pm, Building/Room:  
Colorado Convention Center/Room 104  
**Nicole Shechtman** — “Productive  
Dispositions for Mathematics Teaching:  
Adaptive Expertise, Cognitive Models,  
Knowledge Pursuits, Practices, and  
Outcomes”  
**Jeremy Roschelle** — Chair, Discussant

**Evidence-Centered Design for the  
Design of Learning-and-Assessment  
Environments for Diverse Learners**

4:05pm - 5:35pm, Building/Room:  
Colorado Convention Center/Room 405  
**Geneva Haertel** — “Designing Large-  
Scale Science Assessment Tasks for  
Students With High-Incidence Disabilities:  
The Use of Evidence-Centered Design,  
Design Patterns, and Universal Design for  
Learning”

**How Can Alternate Assessment Based  
on Modified Achievement Standards  
Improve Student Learning and  
Outcomes?**

4:05pm - 6:05pm, Building/Room:  
Sheraton Denver/ Plaza F  
**Katherine Nagle, Renee Cameto** —  
“Where Are We Now and What Have We  
Learned? Research Related to the AA-  
MAS”

## SUNDAY, MAY 2

**Changing Roles, Crossing Boundaries:  
Instructional Leadership in Many Forms  
and Reforms**

8:15am - 9:45am, Building/Room:  
Sheraton Denver/Grand Ballroom Section 2  
**William Penuel** — “Formal Leadership  
Versus Informal Leadership When  
Institution Penetrates Schools”

**Validating Educational Assessments**

8:15am - 9:45am, Building/Room:  
Sheraton Denver/ Governor’s Square 16  
**Eric Snow** — “Using Naturalistic Tasks  
and Cognitive Interviews in a Validation  
Study of a Web-Based Assessment of  
Evaluation Skills”

**Frameworks for Problem-Based  
Learning**

12:25pm - 1:55pm, Building/Room:  
Colorado Convention Center/Room 606  
**Philip Vahey, Ken Rafanan, Louise  
Yarnall** — “Exploring the Efficacy  
of a Cross-Curricular Application of  
the Preparation for Future Learning  
Framework”

**Professional Development, Course  
Design, and Community: The Impact on  
Learning**

12:25pm - 1:55pm, Building/Room:  
Sheraton Denver/Grand Ballroom Section 2  
**Judi Fusco, Julie Remold, Patricia  
Schank** — “Exploring Differences  
in Online Professional Development  
Seminars With the Community of Inquiry  
Framework”

**Predictors of Student Achievement  
and the Impact on School  
Accountability**

2:15pm - 3:45pm, Building/Room:  
Sheraton Denver/ Grand Ballroom  
Section 2

**Shari Golan, Dana Petersen, Donna  
Spiker** — “Planning for a Statewide  
Kindergarten Assessment Process:  
Priorities of Diverse Stakeholders and  
Current Assessment Practices”

**Student Learning in Mathematics and  
Design of Learning Tasks**

2:15pm - 3:45pm, Building/Room:  
Colorado Convention Center/Room 708  
**Philip Vahey, Ken Rafanan, Tina  
Stanford, Charles Patton** — “Thinking  
With Data: A Cross-Disciplinary  
Approach to Teaching Data Literacy and  
Proportionality”

**T’each His Own: Instructional  
Practices and Teacher Learning in  
Mathematics**

2:15pm - 3:45pm, Building/Room:  
Colorado Convention Center/Room 102  
**Nicole Shechtman, Jennifer  
Knudsen** — “The Bridging Teacher  
Professional Development Program:  
Supporting Mathematical Argumentation  
in Distressed Urban Middle School  
Contexts”

## MONDAY, MAY 3

**Emotional Disturbance and  
Behavioral Interventions**

8:15am - 9:45am, Building/Room:  
Colorado Convention Center/Korbel  
Ballroom 3

**Xin Wei, Jose Blackorby, Camille  
Marder** — “Self-Concept Development  
in Children With Disabilities: Domain,  
Disability Category, Gender, and  
Race-Ethnicity Differences From Early  
Elementary to High School Years”