

Complexity, Learning, and Research: Under the Microscope, New Kinds of Microscopes, and Seeing Differently

12:25pm - 1:55pm, Omni San Diego, Salon C
Nora Sabelli — Discussant

THURSDAY, APRIL 16

Improving the Validity of Large-Scale, Statewide Science Assessments for Students with Disabilities

8:15am - 9:45am, San Diego Marriott Hotel & Marina, Oceanside

Jose Blackorby, Britte Cheng, Harold Javitz — “Science Education for Students with Disabilities”

Angela Debarger, Geneva Haertel, Serena Villalba — “Integration of Evidence-Centered Design and Universal Design Principles Using PADI, an Online Assessment Design System”

New Developments in Measuring Teacher Knowledge in Mathematics: Exploring the Reliability and Validity of Three Novel Measures

8:15am - 9:45am, San Diego Convention Center, Room 11A

Sara Carriere, Larry Gallagher, Jennifer Knudsen, Jeremy Roschelle, Nicole Shechtman — “Mathematical Knowledge for Teaching in the Context of Two Randomized Experiments Exploring Technology Use”

Issues in College Access

8:15am - 9:45am, San Diego Convention Center, Room 15A

Lauren Cassidy, Kaeli Keating — “Dual Enrollment Policies: Increasing Access to College for All High School Students”

Arts Curriculum and Communities of Learning for Engagement

8:15am - 10:15am, San Diego Convention Center, Room 26B

William Penuel — “High-Stakes Listening: Effective Arts Partnerships for Today’s Schools”

Universities, Social Service Agencies, Early Care, Early Education Programs, and a School District Working Together to Improve Outcomes, PK-5: Formative Evaluation Results From Ready Schools Miami

10:35am - 12:05pm, San Diego Convention Center, Room 16B

Shari Golan, Marjorie Wechsler — “Early Evidence of Impact of Ready Schools Miami”

Research on Learning as a Human Science

10:35am - 12:05pm, Manchester Grand Hyatt, Madeleine Room D

William Penuel — “Organizing as a Metaphor for Research on Learning”

Assessment and Measurement Considerations in Special Education

12:25pm - 1:55pm, Omni San Diego, Balboa 2

Kavita Seeratan — Discussant

Learning in Virtual Environments

2:15pm - 3:45pm, San Diego Convention Center, Room 24A

Edward Dieterle — “Media-Based Learning Styles That Benefit or Undercut Learning in a Multi-User Virtual Environment”

FRIDAY, APRIL 17

Putting the “College” Into Early College Schools: Incentives for Higher Education Participation in High School Reform

8:15am - 9:45am, San Diego Convention Center, Room 16A

Kaeli Keating — “Postsecondary Institutions Partnering to Form Early College Schools: What Types of Institutions Are Doing It and Why?”

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MONDAY, APRIL 13

Leveraging Evidence-Centered Design (ECD) Within Scenario-Based Statewide Science Assessment

12:00pm - 1:30pm, San Diego Marriott Hotel & Marina, Marina Ballroom, Salon D

Britte Cheng, Angela Debarger, Ron Fried, Geneva Haertel, Serena Villalba, Daniel Zalles — “Research Findings: Leveraging ECD in Scenario-Based Science Assessments”

Geneva Haertel — “Project Overview and Background”

Making Things Happen: Teachers’ Lives and Roles Inside and Outside the Classroom

2:15pm - 3:45pm, San Diego Marriott Hotel & Marina, Manchester 1

Eva Chen, Angela Debarger, Barbara Means — “Teachers’ Skills in Data Use for Instructional Decision Making”

Teaching and Assessing 21st Century Skills: Preparing Students to Succeed in Postsecondary Education, the Workplace, and the Global Community

2:15pm - 3:45pm, Omni San Diego, Salon B
Louise Yarnall — “Principled Assessments of 21st Century Skills Across Disciplines in a Community College Curriculum”

Preliminary Findings of Four Institute of Educational Sciences Studies to Improve Professional Development for Science Teachers

4:05pm - 5:35pm, Manchester Grand Hyatt, Manchester Ballroom, Section A

Larry Gallagher, William Penuel — “Preliminary Findings of Four Institute of Educational Sciences Studies to Improve Professional Development for Science Teachers”

Larry Gallagher — “Improving Teaching for Understanding: Comparing the Efficacy of Three Approaches to Professional Development in Earth Science Education”

TUESDAY, APRIL 14

Studies of Youth and Young Adults with Disabilities

8:15am - 9:45am, Omni San Diego, Balboa 2

Annie-Marie Knokey, Jennifer Yu — “Sex, Drugs, and Rock ‘n’ Roll: Risk Behaviors Among Young Adults with Disabilities”

Lynn Newman — “Relationship of Household Income to In-School and Post-School Outcomes of Youth with Disabilities: A National Perspective”

National Science Foundation Advanced Technological Education Research Outreach Symposium

9:00am-11:00am, Manchester Grand Hyatt, Annie Louise Yarnall — co-host

Designing and Evaluating Interdisciplinary Literacies and Youth Curricula

10:35am - 12:05pm, San Diego Marriott Hotel & Marina, Columbia 3

Ken Rafanan, Philip Vahey, Louise Yarnall — “Challenges to Cross-Disciplinary Curricula: Data Literacy and Divergent Disciplinary Perspectives”

Collaboration and the Interplay Among Design, Policy Contexts, and Rigor: Building Valid, Student-Centered Mathematics Assessments

12:25pm - 1:55pm, Omni San Diego, Salon D

William Penuel — Evaluation Team

Developing and Refining a Learning Progression for Matter from Pre-K to Grade 12: Commonalities and Contrasts Among Four Current Projects

12:25pm - 1:55pm, Omni San Diego, Gaslamp 2
Angela Debarger — “The High School Chemistry Facets Project”

Will the Use of Data Lead to Informed Decision Making as Policy Makers Assume?

2:15pm - 3:45pm, San Diego Convention Center, Room 17A

Eva Chen, Angela Debarger, Barbara Means — “Professional Development Needs for Data Literacy”

Larry Gallagher, Barbara Means — “Teachers’ Use of Student Data to Improve Instruction: Trends from 2005 to 2007”

Larry Gallagher, Christine Padilla — “The District’s Role in Data-Informed Decision Making”

An Evaluation of the Early College High Schools Initiative

2:15pm - 3:45pm, San Diego Convention Center, Room 25C

Lauren Cassidy, Kaeli Keating — “ECS Strategies for Supporting Students in Their Transition to College”

Dialogues on Learning Environments Research

2:15pm - 2:55pm, San Diego Marriott Hotel & Marina, Marriott Hall, Salon 4

Britte Cheng, Patrik Lundh, Serena Villalba — “Finding Ways to Participate in Science: A Look at How Students Communicate Within an Online Science Learning Environment”

Studies Examining Achievement Gaps

4:05pm - 5:35pm, Omni San Diego, Salon D
Renee Cameto, Angela Debarger, Anne-Marie Knokey, Katherine Nagle — “Identifying Construct-Irrelevant Barriers to Reading Achievement for Low-Performing Students Taking Alternate Assessments Judged Against Modified Achievement Standards”

Beyond Accountability: Making Data-Informed Decision Making Work Toward District Reform

4:05pm - 5:35pm, San Diego Marriott Hotel & Marina, Solana

Larry Gallagher, Barbara Means, Christine Padilla — “Districts Supporting Data-Informed Decision Making”
Carlin Llorente, Viki Young — “School Strategies for Using Data in the Absence of District Support”

WEDNESDAY, APRIL 15

Technology in Math, Physics, and Science Education

8:15am - 9:45am, Manchester Grand Hyatt, Manchester Ballroom, Section D

William Penuel, Jeremy Roschelle — “What Happens When the Research Ends? Factors Related to the Sustainability and Scalability of a Research-Based Innovation”

Analysis of Students’ Experiences, Perspectives, and Learning in Out-of-School-Time Education

8:15am - 8:55am, San Diego Marriott Hotel & Marina, Marriott Hall, Salon 4

Torie Gorges, Geneva Haertel, Melissa Koch, William Penuel — “Shhh...Don’t Use the ‘A’ Word: Embedded Assessments of Youth Learning in Informal Learning Environments”

Validation Studies of a Measure of Academic Resilience and the Big Five Personality Inventory

9:05am - 9:45am, San Diego Convention Center, Ballroom 6A

Kavita Seeratan — Discussant

Youth in Schools: Empowering Youth for Optimal Development

10:35am - 12:05pm, San Diego Convention Center, Room 29A

Ruchi Bhanot — Chair

Reflections on the U.S. National Mathematics Panel Report

10:35am - 12:05pm, Omni San Diego, Salon C
Jeremy Roschelle, Nora Sabelli, Corinne Singleton — Participants

Perspectives on Technology and Educational Change

12:25pm - 1:55pm, Manchester Grand Hyatt, Madeleine Room D

Barbara Means — Participant

Advances in Cooperative Learning

12:25pm - 1:55pm, San Diego Marriott Hotel & Marina, Rancho Las Palmas

Ruchi Bhanot, Gucci Estrella, Ken Rafanan, Jeremy Roschelle — “Cooperative Learning Structured Through Handhelds: Results from a Randomized Trial in Elementary Mathematics Classrooms”