NERA 2019

Transformation by Design

50th Annual Meeting of the Northeastern Educational Research Association
Trumbull, CT
October 16 – 18, 2019
It is with great excitement that I welcome you to the 50th annual conference of the Northeastern Educational Research Association (NERA). This year’s conference theme is *Transformation by Design*. The theme supports the guiding principle that in order to enact meaningful change, we need to be intentional in our actions. Over the course of our three days together, we will have opportunities to hear about the transformations that the field of educational research, including NERA, has gone through over the past 50 years. We will also hear about the transformative experiences of some of the leaders in the field of educational research.

The 2019 Conference Co-Chairs, Alejandra Garcia, Paola Heincke, and Bridget Thomas have done an amazing job preparing a great conference program. We will have a wide variety of conference posters, papers, workshops, and symposia. **Dr. Ezekiel Dixon-Roman** is the keynote for our Wednesday dinner and **Dr. Alina von Davier** is the keynote for our Thursday lunch. We will also have an Invited Power Panel, which will include **Drs. Rebecca Zwick, Alina von Davier, and Kristen Huff**. **Dr. Ellen Forte** will serve as the moderator of the panel session.

Some new things this year will be the **3MT Competition** and **Unconference** sessions. The Three Minute Thesis (3MT) is an academic competition that focuses on fostering effective presentation and communication skills. Participants will have three minutes to explain the breadth and significance of their research project to a non-specialist audience. I applaud the 3MT participants for stepping up to this challenge. Some of you may have had an opportunity to attend an unconference or an unconference session at a more structured conference. This year, we have set aside time for unconference sessions. For those of you who have never heard of or attended an unconference, an unconference is participant driven (as opposed to driven by the meeting organizer). Typically, at an unconference, the attendees at the beginning of the meeting create the agenda for the session. Anyone who wants to initiate a discussion on a topic can claim a time and space. When you pick up your registration materials, you will have the opportunity to suggest a topic for the unconference session.

I also want to thank each of our Institutional Members for their generosity and continued support of NERA and all that we do to support students and professionals within the field of educational research. As a **volunteer-led** organization, it is amazing the wonderful things that we are able to accomplish together. As we engage with each other over these three days, I encourage each of you to find ways in which you can help NERA forge forward to celebrate another 50 years.

I hope you each have an absolutely, fabulous conference!

Rochelle S. Michel, Ph.D.
Welcome! Welcome to our returning members – thank you for coming year after year, and making NERA the wonderful organization that it is! Welcome to our new members this year – we hope you get what you expect from this conference and more. We find NERA to be an organization to be full of enriching opportunities, from the research that is presented to the networking opportunities to the strong research community we get to be a part of.

In keeping with what we love about NERA, we’ve worked hard this year to ensure that you have educational workshops, engaging research presentations, interesting keynote speakers and panels, and fun activities at the socials. We truly hope you enjoy all that the NERA conference has to offer.

The conference theme this year is “transformation by design.” As noted in Rochelle’s presidential welcome, we have designed the keynotes and panels to highlight this theme. Besides our great theme, this year happens to be the 50th conference for NERA. Wow! We’ve come a long way!

Did you know? We share an anniversary with Sesame Street! Sesame Street aired their first episode in 1969. Now, on NERA’s 50th conference anniversary, we will reflect on the 50 years of educational research that has occurred since that first Sesame Street episode. Join us at Friday’s lunch for a special viewing.

We, the co-chairs, have put our all into this conference, and yet it would still not be a success without the help of many other wonderful members like you. We would especially like to acknowledge and thank previous chairs for providing us with the guidance and instruction we needed. This includes last year’s chairs, Jade Caines Lee and Tabitha Mckinnley, as well as Jason Kopp and Steven Holtzman from previous years. Also chair support committees: The programs team (Francis Rick, Daniel Fishtein, Catherine Manly), and the events team (Barbara Helms, Fred Cline). We’d like to thank our president, Rochelle Michel for selecting us to support her and to bring together this year’s conference. Finally, thank you to all the members who are attending. Without you, there is no conference.
50 YEARS
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Use the hashtag #NERA50th and tag us on:

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Instagram: @nera_conference
Twitter: @NERAconference

The most popular post on any of the three platforms as of Oct 25, 2019 wins a $50 amazon gift card. Winners will be announced on October 28, 2019. Note: All posts are public. We reserve the right to re-post and re-tweet.

nera-education.org | NERA.SocialMedia@gmail.com
NERA’s Mission

The mission of the Northeastern Educational Research Association is to encourage and promote educational research by:

Sponsoring an annual conference at which formal presentations, feedback, and professional interchange about research occurs.

Promoting the sharing of professional information through publications and other types of communications.

Encouraging the development of research among junior researchers.

NERA welcomes individuals conducting research in all aspects of education including learning, curriculum and instruction, educational policy and administration, measurement, statistics, and research methodology, counseling, human development, social context of education, cultural diversity, special education and rehabilitation, educational assessment, school evaluation, and program development, education in the professions, postsecondary education, teaching and teacher education, technology in education, creative arts in the schools, and others.

Statement on Diversity

As an elaboration of its general research mission, NERA commits itself to promoting diversity and inclusiveness and to promote activities that foster a diverse community of researchers.

NERA values human and intellectual diversity and is committed to providing a multiplicity of views and perspectives from innumerable types of educational institutions and occupations to enhance research, teaching, and the development of new knowledge. NERA believes that when a variety of backgrounds, experiences, and viewpoints converge, the result is an advanced understanding of research and education.

In addition to expanding the current base of knowledge through new research, NERA seeks individuals that challenge the very ways in which we have traditionally come to understand that knowledge. This challenge may come explicitly through the presentation of new theoretical and methodological explorations, but it may also come organically through mutual engagement of members from different backgrounds, experiences, and occupations who hold different beliefs and perspectives. NERA believes the diversity of its membership leads to the advancement of learning and academic excellence. As such, NERA is committed to the recruitment and retention of members from different educational experiences and backgrounds to achieve this goal.
Thank you to our Sponsors!

We extend our sincere appreciation and gratitude to our generous organizational and institutional sponsors. Without their support, the 50th Annual NERA Conference would not be possible. Information about our sponsors can be found throughout the program.

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THE THOMAS F. DONLON MEMORIAL AWARD FOR DISTINGUISHED MENTORING
The Thomas F. Donlon Award for Distinguished Mentoring was established in 2000 in recognition of Tom’s long and valued contributions to NERA, particularly as a mentor to so many colleagues. Since then the award has been presented annually to other NERA members who have demonstrated distinction as mentors of colleagues by guiding them and helping them find productive paths toward developing their careers as educational researchers.
The practice of mentoring in education has been going on for centuries and most of us can name a person who helped us move our careers along by being more than just a friend or colleague. That person may have been an advisor in developing your research agenda or perhaps brought you to NERA for the first time after suggesting that you might be ready for a conference presentation.

THE LEO D. DOHERTY MEMORIAL AWARD FOR OUTSTANDING LEADERSHIP AND SERVICE TO NERA
The Leo D. Doherty Memorial Award is given to a longstanding NERA member who exemplifies the qualities that Leo Doherty brought to NERA members, his colleagues, and students over his career. The award, instituted by the NERA Board of Directors in 1981, honors the memory of Leo Doherty. He was instrumental in the development and growth of NERA as a professional association for educational research. His leadership qualities, which were both ethical and humane, encouraged others to pursue and achieve their goals. Thus, this award is presented to NERA members who have exhibited outstanding leadership and service to our organization.

THE LORNE H. WOOLLATT DISTINGUISHED PAPER AWARD
Educators are encouraged to submit a 15-20 page original research paper on any educational issue of interest for the Lorne H. Woollatt Distinguished Paper Award. The paper must be accepted for and presented at the NERA 2016 conference. There may be single or multiple authors. The submission will be peer reviewed and rated on a thirty-point rubric. The winner(s) will be notified by both email and post in the beginning of January. The author of the winning distinguished paper will receive a stipend of $500 and present at the American Educational Research Association conference in 2017.
The Lorne H. Woollatt Award was renamed in 1990 to honor this New York educator who published, The evolution of state-local governmental relationships in New York State (Staff study of the fiscal policy for public education in New York State) in 1948. Woollatt was an active member of NERA.

TEACHER-AS-RESEARCHER AWARD
The TAR Award recipient is a teacher (P-12; i.e., preschool through high school) who has conducted classroom research to modify and improve his or her teaching efforts and instructional effectiveness. The purpose of the award is to encourage teachers to conduct research and to use the findings of that research to inform their own teaching.
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A big thank you to all the NERA members that gave their time to review conference proposals! Each year we receive hundreds of proposals and we could not get through all the submissions without our members. An even bigger thank you to those that reviewed more than their assigned number of proposals – thank you for picking up the slack when others had to drop off.

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Meeting Information

Location

All Events for the NERA 2019 conference take place at Trumbull Marriott Merritt Parkway Hotel in Trumbull, Connecticut.

The contact information for the hotel is as follows:

180 Hawley Ln,
Trumbull, CT 06611
Phone: (203) 378-1400

Registration

The NERA 2019 registration desk will be located in the Marriott’s lobby area conference foyer.

There will be signs and a map at the front of the hotel to direct attendees to registration.

Registration will be open the following times:

Wednesday, October 16th: 7:00am–5:30 pm
Thursday, October 17th: 7 am–11:30 am & 1:30 pm–5:45 pm
Friday, October 18th: 7:30 am–11:30 am

Conference Meals

NERA attendees typically dine together Wednesday evening through Friday lunch. All meals are included with conference registration.

Business Center

The hotel’s business center is located on the main floor in the library area.
NERA welcomes individuals conducting research in all aspects of education including learning, curriculum and instruction, educational policy and administration, measurement, statistics, research methodology, counseling, human development, social context of education, cultural diversity, special education and rehabilitation, educational assessment, school evaluation and program development, education in the professions, post-secondary education, teaching and teacher education, technology in education, creative arts in the schools, and others.

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Barbara J. Helms, Educational Evaluation Consultant
Kristen Huff, Curriculum Associates
David Moss, University of Connecticut
Thanos Patelis, HumRRO
Darlene Perner, Bloomberg University
Wednesday, October 16, 8:00 – 10:00 am

**Session 0.1: Supporting Social Justice in STEM for Culturally-Diverse Learners**

*Workshop*  
Merritt North

Facilitator: Cassy Thime

This two-hour workshop will explore the different best practices of being intentional in intersecting social justice and STEM, in order to support educational resilience for Culturally-Diverse Learners (CDL). This workshop will recommend culturally-responsive evidence-based practices to support positive faculty-student relationships.

**Session 0.2: An Introduction to Multilevel Structural Equation Modeling with R**

*Workshop*  
Merritt South

Facilitator: Bozhidar “Bo” Bashkov

This three-hour workshop begins at 9:00am. Traditional structural equation modeling (SEM) assumes simple random sampling. However, in practice data are often nested. This workshop covers three ways of analyzing nested data focusing on multilevel SEM, which accounts for nesting and can answer additional research questions at different levels. A live demonstration with R will be provided.
Wednesday, October 16, 10:15 – 12:15 am

Session 1.1: Using R to Automatically Generate Reports and Presentations with Officer

Workshop

Merritt North

Facilitator: Elizabeth Patton

This is a two-hour workshop. Researchers often create reports by manually copying statistical information into a document or presentation. Automating reports minimizes the potential of human error and adds efficiencies, particularly for reoccurring reports. The purpose of this session is to demonstrate R’s capability to automatically generate technical documentation and presentations using the ‘officer’ package.

Wednesday, October 16, 1:30 – 3:00 pm

Session 2.1: Pursue Smarter Pathways to Success: Transform Education through Predictive Analytics

Workshop

Merritt North

Facilitator: Nicole Alioto

This is a four-hour workshop. Confronted with internal and external challenges, education is under pressure to demonstrate accountability and increase efficiency. Predictive analytics allows institutions to study historical data to make better decisions. In this session, attendees will learn how predictive analytics can help to focus energies, allocate resources, increase revenue, and improve student outcomes.

Session 2.2: Using Stan for Bayesian Estimation of Item Response Theory Models

Workshop

Merritt South

Facilitator: Yong Luo

This four-hour workshop will focus on Bayesian estimation of standard and extended IRT model parameters using Stan. The intended audience is intermediate and advanced graduate students, researchers, and practitioners who are interested in learning the basics and advanced topics related to IRT model parameter estimation using Stan. This four-hour session introduces the basics of the software program Stan. The estimation of model parameters for unidimensional dichotomous and polytomous IRT models, multidimensional including testlet models, and multilevel IRT models will be illustrated and demonstrated. Model comparison in Stan will also be introduced.
### Session 2.3: STEM in K-12, Teaching, Learning, and Standards

**Chair:** Gabriel Rodriguez  
**Discussant:** Daniel FIshtein

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<td>Marisa Castronova</td>
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### Session 2.4: K-12 Assessment

**Chair:** Mariola Moeyaert  
**Discussant:** Amber O’Shea

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### Session 2.5: K-12 Teaching for Unique Student Populations

**Chair:** Beth Perkins  
**Discussant:** Fred Cline

- **Teacher Perceptions of Undesirable Behaviors of Students with IEPs: An Exploratory Case Study**  
  First authors: Estyr Bomgardner & Lesa Givens  

- **Teacher Perceptions and Education Practice for English Language Learners**  
  First author: Shu Chen-Worley

- **Supporting STEM Educational Resilience of Black Students From Economically-Disadvantaged Backgrounds**  
  First author: Cassandree Thime

- **Teachers' Awareness of Student Exposure to Trauma and Their Readiness in Managing Challenging Behaviors**  
  First author: Maureen Wilson

### Session 2.6: K-12 Technology

**Chair:** Avery Harrison  
**Discussant:** Bridget Thomas

- **Forming a Research-Practice Partnership to Integrate Computer Science into Middle School Science: Initial Explorations**  
  First author: Amelia Callahan

- **Supporting Technology-Augmented Game Creation and Play Through A Teacher Professional Development Program**  
  First author: Hannah Smith

- **Action Research: Multisensory Touch-Typing and Its Impact on Developing Literacy Skills**  
  First author: Matthew Speno
Wednesday, October 16, 1:30 – 3:00 pm

Session 2.7: Leadership in K-12

Chair: Joanna Badara
Discussant: Erin Custadio

A Multiple Case Study Of Educational Servant Leaders And Personal Growth
First author: Jody Piro

Teacher and Leader Perspectives on Capacity for Leading Early Childhood Programs
First author: Maria Boeke Mongillo

The Prevalence and Hindrances of Research Use in the Federal Rulemaking Process for Higher Education
First author: Rebecca Natow

Identification and Removal of Barriers to Quality Education for NYC's Homeless Children
First author: Emily Teall

Wednesday, October 16, 3:15 – 4:45 pm

Session 3.1: K-12 Poster Presentations

Influence of Teachers' Culturally Responsive Attitudes on Adolescent English Language Learners' Learning
First author: Kisong Kim

Examining the Diagnostic Utility of CELF-5 Sentence Comprehension as a Kindergarten Screening Tool
First author: Dayana Lituma-Solis

Benchmark Assessment by Preservice Teachers using a Kindergarten Teacher's Videotaped Math Lesson
First author: Susan Brand

A Mini-Meta-Analysis of the Efficacy of Dialogic Reading on Silent Reading Efficiency and Comprehension in First Graders
First author: Deborah Carroll
Wednesday, October 16, 3:15 – 4:45 pm

Historical Perspectives on the 'Reading Wars' and Present-Day Early Reading Instruction
First author: Stephanie Lewia

Using Action and Movement to Develop Students' Understanding of Measurement in a Technology-Augmented Game
First author: Richard Valente

Whole Group Multisensory, Systematic Phonics Instruction in First Grade
First author: Danielle Westdyk

Obstacles Impeding the Realization of Systematic Program Evaluation in Public Schools - A Literature Review
First author: Jill Ramey

Higher Education Institutions: Complex and Underprepared for Active-Shooter Situations
First author: Kimberly Myers

Session 3.2: K-12 Pedagogy

Paper Session

Chair: Kurt Eisele
Discussant: Kurt Eisele

Taking Up Space: Teacher Education and Embodied Pedagogy
First author: Ryan Ambuter

Dance to Success: Streaming mindful movement into the classroom
First author: Sarah DiPasquale

Habits of Mind to Advance Students' Critical and Creative Thinking and Problem Solving: An Exploratory Study
First author: Jody Piro

Understanding Early Childhood Teachers' Instruction Through the Lens of Epistemic Cognition
First author: Kit Saizdelamora
### Session 3.3: Oral History Project

**Historical Concord**

To commemorate the 50th anniversary of the NERA conference, we will be video recording NERA members’ stories and anecdotes about how participating in NERA has impacted them. Have a story you want to share? Be on the lookout during the conference for scheduled times and locations to record your story. A compilation video of the best stories will be shared after the conference and posted on the website.

### Session 3.4: Perceptions and Experiences of Social Justice in a College of Education: The Journey of EDUC661

**Symposium Hartford**

Organizer: Steven Sireci

This symposium comprises four papers that describe research conducted to assess perceptions and experiences of social justice among students, faculty, and staff in a large College of Education. Faculty and students from a research methods class conducted interviews and surveys, the data from which will be summarized and discussed.

We are “Talking the Talk,” but are we “Walking the Walk?” Exploring Social Justice in a College of Education

Differences in Perspectives of Social Justice in a College of Education

Exploring Perceptions of Social Justice Among Students, Staff, and Faculty in a College of Education

Beyond Qualitative and Quantitative: Working Together to Research Social Justice Issues

### Session 3.5: K-12 Roundtable Discussions

**Roundtable Providence**

Facilitator: Alejandra Garcia

Exploring Teacher Emotional Intelligence and Attitudes Toward the SEL Challenges of Students with ADHD

First author: Erin Custadio
Wednesday, October 16, 3:15 – 4:45 pm

Considerations for Mobile Assessment Delivery
First author: Tia Fetcher

Using Research to Create Student-Centered Classrooms and Change School Mathematics Culture
First author: Christine Pacinello

How Can School Leaders Support Youth of Color? A Study on the Association Between School Composition and Discipline
First author: Nia Hulse

From MDGs to SDGs: Four Major Overseas Development Assistance Donor Countries' Responses to Education 2030
First author: Tian Yu

Wednesday, October 16, 4:45 – 5:30 pm

Graduate Student Issues Committee Social
Social Merritt
Take the opportunity to grab a snack and connect with other NERA graduate students in this social session sponsored by the GSIC.

Wednesday, October 16, 5:30 – 8:00 pm

Dinner & Invited Keynote
Plenary Session Ballroom
Keynote Speaker: Ezekiel Dixon-Román
Associate Professor and Chair of the Data Analytics for Social Policy Certificate, Social Policy and Practice program
University of Pennsylvania
Wednesday, October 16, 8:00 – 11:00 pm

**NERA Welcome Reception**

Come celebrate NERA’s 50th conference anniversary with some cake! Meet, mingle, and play board games with your NERA colleagues at our welcome reception. Watch or participate in the 3MT competition too!

**Wednesday, October 16, 8:15 – 9:15 pm**

**3MT Competition**

The inaugural competition! The Three Minute Thesis (3MT) is an academic competition that focuses on fostering effective presentation and communication skills. Participants have three minutes to explain the breadth and significance of their research project to a non-specialist audience.

Come watch and support our graduate student and professional competitors. Be part of the “people’s choice” vote.
Thursday, October 17, 7:00 – 8:15 am

**Breakfast**

**Plenary Session**

**Ballroom**

Thursday, October 17, 8:15 – 9:45 am

**Session 4.1: Getting Through It: Managing the Dissertation Process**

**GSIC Session**

**Boston**

Facilitator: Hank Johnson

A panel discussion with three recent PhD graduates and how they managed to complete their dissertation.

**Session 4.2: K-12 Test Development and Validation**

**Paper Session**

**Hartford**

Chair: Rory Lazowski
Discussant: Rory Lazowski

A Literature Review of Defining and Validating Learning Progressions: Looking Back to Move Forward
First author: Duy Pham

The Development of a Content Assessment of Basic Electronics Knowledge
First author: Jonathan Steinberg

Validating the First Year Engineering Student Assessment Tool: A Rasch analysis
First author: Chun Yang

Investigating ePIRLS Online Informational Reading and the PIRLS Reading Scale
First author: Bethany Fishbein
### Session 4.3: K-12 Supporting Diverse Learners

**Chair:** April Zenisky  
**Discussant:** Lilliam Maleve

The Effect of High School Diversity on Students' College Success: Evidence from China  
First author: Galit Eizman

Revalidating an instrument to gain insights into changing attitudes towards teaching all students  
First author: Jess Gregory

Transforming Identities by Design of Third Spaces  
First author: Fatemeh Hajnaghizadeh

Bullying Experiences of Non-Binary Secondary Students: The Protective Role of Relationships with School-Based Adults  
First author: Rebecca McGill-Wilkinson

Transformation as Process: White Racial Identity Development and the Freshman Pre-service Teacher  
First author: Tracy Pelkowski

### Session 4.4: Fairness Issues in Assessment

**Chair:** Olga Komissarova  
**Discussant:** Amber O'Shea

Effect Size Measures for Testing Measurement Invariance in Categorical CFA and IRT  
First author: Haeju Lee

Examining the Effects of Specifying Bayesian Priors on the Wald's Test for DIF  
First author: Paulius Satkus

Impact of Unequal Ability Variances upon the performances of two popular DIF Detection Methods  
First author: Yong Luo

Comparison of Logistic Regression Methods to Detect Differential Item Functioning in Small Samples  
First author: Pamela Peters
Thursday, October 17, 8:15 – 9:45 am

Session 4.5: Generalized Boosted Modeling in R Workshop  
Merritt North

Facilitators: Briana Craig, Beth Perkins, Jeanne Horst, and Heather Harris

The purpose of this two-hour workshop is to introduce participants to the logic underlying causal inference and propensity score matching using generalized boosted modeling (GBM). GBM is a machine learning technique that effectively offers an alternative to the traditional, logistic regression approach of producing propensity scores. To model complex relationships, GBM uses a series of regression and classification trees to produce probabilities of an individual selecting into treatment and “boosts” misclassifications in order to improve the predictions. Following a 1-hour presentation, we would provide R code and practice with an applied example (i.e., The LaLonde Dataset). The goal is to introduce participants to generalized boosted modeling and for participants to gain tools necessary for conducting their own propensity score analytic study using generalized boosted models.

Thursday, October 17, 10:00 – 11:30 am

Session 5.1: Dealing with Drift, Missing Data, and Anchor Instability Paper Session  
Boston

Chair: Bo Bashov  
Discussant: Jeanne Horst

Effects of Item Parameter Drift on Value-Added Estimates  
First author: Seong Eun Hong

Evaluation of Flagging Criteria for D-Squared Anchor Stability Analysis  
First author: Katherine Nolan

Examining the effects of missing data on covariates used in propensity score matching  
First author: Derek Sauder
### Session 5.2: Advances in Diagnostic Classification Modeling and Latent Transition Analysis

**Paper Session**

Chair: Brian Leventhal  
Discussant: Christine Pacinello

<table>
<thead>
<tr>
<th>Title</th>
<th>First author</th>
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<tbody>
<tr>
<td>Attribute Level and Model Selection Indices for Polytomous-attribute Diagnostic Classification Models</td>
<td>Yu Bao</td>
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<tr>
<td>Use of latent transition analysis to detect noncognitive skill changes across time</td>
<td>Chelsea Ezzo</td>
</tr>
<tr>
<td>Revisiting Diagnostic Classification Model Invariance Properties</td>
<td>Matthew Madison</td>
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### Session 5.3: Exploring Possibilities to Improve Multistage Assessments

**Paper Session**

Chair: Daniel Fishtein  
Discussant: Charles Secolsky

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<thead>
<tr>
<th>Title</th>
<th>First author</th>
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<tr>
<td>Exploratory Response Time Analyses Massachusetts Adult Proficiency Tests (MAPT-CCR)</td>
<td>Maritza Casas</td>
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<td>Exploring the Feasibility of Using Collateral Information in the First Stage of the MAPT-CCR</td>
<td>HyunJoo Jung</td>
</tr>
<tr>
<td>An Investigation of Using Previous Scores for Routing Examinees in Multistage Assessments</td>
<td>Junhui Liu</td>
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Thursday, October 17, 10:00 – 11:30 am

Session 5.4: New Research on Item and Anchor Analysis

Chair: Jonthan Steinberg  
Discussant: Jonathan Steinberg

Examining the Effects of Person Misfit on Item Fit Statistics  
First author: Maura O'Riordan

Interpreting Distractor Functioning: The Paradigm Does Matter  
First author: Kathryn N. Thompson

Examining the Effect of Item Positioning on the Difficulties of History Items  
First author: Glenn Waterbury

Session 5.5: Interrogating Education and Language

Chair: April Zenisky  
Discussant: Francis O'Donnell

What Educational Offerings Are Used by Non-Native English Language Speakers?  
First author: Tanya Longabach

How English Language Learners Use Resources to Negotiate Their Agency and Position in Society  
First author: Min Wang

Rethinking Writing Center Pedagogy for L2 Writers: Best Practices  
Christopher Buck

Digital Storytelling as a Critical, Culturally Sustaining Approach to Pedagogy and Research in Education  
First author: Carie Ruggiano

Getting to Know Who We Are as Teachers: Developing Pre-Service Teacher Identity Through the Use of Autoethnography  
First author: Cara Kronen

"Why should I not speak my own language?": A Chinese International Student's Narrated Agency  
First author: Min Wang
Thursday, October 17, 10:00 – 11:30 am

Session 5.6: Oral History Project

Historical
Merritt South

To commemorate the 50th anniversary of the NERA conference, we will be video recording NERA members’ stories and anecdotes about how participating in NERA has impacted them. Have a story you want to share? Be on the lookout during the conference for scheduled times and locations to record your story. A compilation video of the best stories will be shared after the conference and posted on the website.

Thursday, October 17, 11:30 – 1:30 pm

Lunch & Invited Keynote

Plenary Session
Ballroom

Keynote speaker: Alina von Davier
Senior Vice President
ACTNExt

Thursday, October 17, 1:30 – 2:45 pm

Session 6.1: Unconference

Plenary Session
Boston - Providence

Participant driven conference time! Scheduled time to discuss concerns and ideas in educational research and measurement. If you have a topic in mind, sign up at the registration desk at the beginning of the conference. If you want to participate in someone else’s discussion, show up at the designated space.
Thursday, October 17, 2:30 – 4:30 pm

Session 7.1: I presented at NERA! Now what do I do with this paper? A workshop on academic writing and building a research agenda

Workshop
Facilitator: Brent Elder
In this two-hour workshop, we will discuss next steps for taking your NERA paper and moving it on to a national/international presentation and/or a publication-ready manuscript. This interactive workshop is intended for graduate students and early career researchers, particularly if this is your first NERA presentation!

Thursday, October 17, 3:00 – 4:30 pm

Session 8.1: K-12 Measurement Poster Session

Poster Session

Non-Cognitive Skills Training Program for College
First author: Ashley Pallarito

Student Engagement vs. Disaffection: A Closer Look
First author: Daria Gerasimova

Comparing DIF Detection Accuracy with Observed Score and Latent Score Ordinal Logistic Model: A Simulation Study
First author: Abdolvahab Khademi

Simulating Misfit Using Nonparametric Methods to Model Empirical IRFs: Examining the Precision of Ability Estimation
First author: Jennifer Lewis

Reimagining Software Use to Equitably Report and Display Educational Data via RStudio
First author: Kimberly McIntee

An Application of Decision Tree Modelling to predict student's reading proficiency on an outcome measure
First author: Raffala Wolf

Power and Type I error of Two-Level HLM of Single-Case data: Misspecification of Variances
First author: Xinyun Xu
Thursday, October 17, 3:00 – 4:30pm

Academic Momentum and Disparities in Higher Educational Attainment at a Selective Public University
First author: Greta Winograd

Research-Based Educational Innovation in Second Language Acquisition - Learning: A Case Study of a Group Project Abroad
First author: Lilliam Malave

Satellite Baby Students' Lived Experiences, TESOL Teacher Candidates' Positioning, Agency, and Pedagogy
First author: Min Wang

Session 8.2: What Might My Score Be? Predicting Test Results Using Practice Tests and Previous Scores

Symposium
Boston
Organizer: April Zenisky

This session focuses on predicting scores on large-scale educational assessments using practice and previous test scores. Commonly used methods were reviewed, ways to predict scores from practice test scores were compared, and multiple regression was used to determine whether previous scores predict future test performance.

Methods for Predicting Test Scores: A Literature Review

Predicting Test Scores Using Practice Tests: Comparing Different Strategies with the MAPT

Predicting Test Level using Previous Test Scores on the MAPT

Using Prior Knowledge Regarding Examinees' Abilities in Multistage Adaptive Testing with Multiple Starting Modules
Thursday, October 17, 3:00 – 4:30pm

Session 8.3: Reviewing Journal Articles & Measuring Mindset, Meaning, and Creativity

Paper Session

Chair: Francis O’Donnell
Discussant: Francis O’Donnell

Advice on Reviewing Journal Manuscripts: 40 Plus Years of Experience
First author: Kurt Geisinger

The BC-LAMP Portfolio Project: Measuring Living a Life of Meaning and Purpose
First author: Ella Anghel

Developing a Multi-Dimensional Measure of Growth Mindset for School Improvement
First author: Thomas Hartka

The Creativity Product Assessment Scale: Validity Evidence Based on Internal Structure
First author: Haeju Lee

Session 8.4: Non-Cognitive Assessment: From Developing Tests to Analyzing Results

Paper Session

Chair: Maritza Casas
Discussant: Tanesia Beverly

Faculty Feedback on a Proposed Measure of Non-Cognitive/Soft-Skills Features for Use in Graduate Schools
First author: Jennifer Bochenek

Examining Leadership Styles to Promote Motivation for Remote Call Center Representatives In The U.S.
First author: Michael Wolter

Seeing the Forest and the Trees: Applying IRTree Models to Noncognitive Data
First author: Elisabeth Spratto
Thursday, October 17, 3:00 – 4:30pm

Session 8.5: Culturally Responsive teaching: The importance of relationships and respect in Urban schools

Organizer: Stacey Kite

The purpose of this symposium is to present and discuss the importance of teacher student relationships, culturally responsive teaching, and respect in urban public schools. The panel will be composed of three educators, each of whom has studied the educational equity gaps among Black and Hispanic students in Urban Schools in the U.S.

Study 1: Educational Equity Gaps Between Black, Latino/a, and White Students.

Study 2: Teachers’ Attitudinal Beliefs Toward Linguistically Diverse Students

Study 3: School Administrators’ Perceptions of Chronic Absenteeism and School Discipline in Latino Students

Session 8.6: Estimation: New Directions and Method Comparisons

Chair: Alejandra Garcia
Discussant: Yu Bao

A Hierarchical Mixed Membership Model for Multiple-Answer Multiple-Choice Items with Signal Detection Theory
First author: Yi Chen

On the Comparative Performance of Iterative, Variational and Stochastic Estimation Methods in Latent Class Analysis
First author: Dakota Cintron

Cross-Validation and Bootstrap to Evaluate the Number of Subgroups in Finite Mixture Model
First author: Zachary Collier

An Applied Example of Two-Tier Multiple-Group Testlet Model
First author: Paulius Satkus
Thursday, October 17, 3:00 – 4:30 pm

Session 8.7: Oral History Project

Historical

To commemorate the 50th anniversary of the NERA conference, we will be video recording NERA members’ stories and anecdotes about how participating in NERA has impacted them. Have a story you want to share? Be on the lookout during the conference for scheduled times and locations to record your story. A compilation video of the best stories will be shared after the conference and posted on the website.

Thursday, October 17, 4:30 – 5:45 pm

Invited Panel: Transformation by Design

Plenary Session

Moderator: Ellen Forte, CEO and Chief Scientist at edCount LLC

Panelists: Alina Von Davier, Senior Vice Preseident at ACTNext; Kristen Huff, Vice President of Assessment and Research at Curriculum Associates; and Rebecca Zwick, Distinguished Presidential Appointee at ETS
Thursday, October 17, 5:45 – 6:30 pm

Session 9.1: NERA Mentoring Happy Hour

Social  Bar/Restaurant

A key part of every NERA conference, the mentoring program provides graduate students with the opportunity to meet with professionals in the field. Mentors can provide individualized feedback on research projects and/or dissertations, as well as provide guidance during the conference. If you are a part of the NERA mentorship program, this is your chance to meet your mentor/mentee face-to-face. If you are not a part of the program, consider signing up for the upcoming year.

Thursday, October 17, 6:30 – 8:15 pm

Dinner & Presidential Address

Plenary  Ballroom

Rochelle Michel,
NERA 2019 President,
Educational Records Bureau
The power of transforming by design

Thursday, October 17, 8:15 – 11 pm

NERA 50th Conference Reception

Social  Merritt

NERA’s first conference was held in 1969 – so let’s party like it’s 1969! Come unwind after a long day and enjoy the music of the 60’s (and some from now-a-days as well). As always, we’ll have the NERA photo booth, so make sure to gather up your friends and colleagues, and document the fun in picture form.
Friday, October 18, 7:30 – 8:30 am

Breakfast & NERA Business Meeting

All NERA members are welcome and encouraged to attend the annual NERA business meeting. This year we will be voting on membership dues, so make sure to attend and have your voice heard.

Friday, October 18, 8:30 – 10:00 am

Session 10.1: Self-Efficacy, Socioeconomic Status, and Students with Learning Disabilities: Implications for STEM Achievement

Organizer: Colin Teeter

This symposium will present four papers that examine the individual components of a mediation model between socioeconomic status, self-efficacy, and STEM achievement using the High School Longitudinal Study of 2009 data from the National Center for Educational Statistics (NCES), for students with and without learning disabilities.

The impact of Socioeconomic Status on STEM Achievement for Students with and without Learning Disabilities

The impact of Socioeconomic Status on Self-Efficacy for Students with and without Learning Disabilities

The impact of Self-Efficacy on STEM Achievement for Students with and without Learning Disabilities

The Mediation Effect of Self-efficacy on the relationship between Socioeconomic Status and STEM Achievement
### Session 10.2: Postsecondary Diversity and Student Experience

**Paper Session**

<table>
<thead>
<tr>
<th>Chair: Alejandra Garcia</th>
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<tbody>
<tr>
<td>Discussant: Alejandra Garcia</td>
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</table>

Examining Diversity in Graduate School Applications across Different Majors  
First author: Steven Holtzman

What About Us? Graduate Student Sense of Belonging at an R2 Institution in the Northeast  
First author: Donn Garby

A Mixed-Methods Study of the Reasons Why Nontraditional Students Have Chosen to Attend College at a Later Point  
First author: Patricia Buxton

Political participation profiles in a college student population  
First author: Chris Patterson

Support for the Basic Psychological Needs and Motivation in College Students with Psychiatric Disabilities  
First author: Amber O'Shea

### Session 10.3: School Leadership, Policy, and Finance

**Paper Session**

<table>
<thead>
<tr>
<th>Chair: Maritza Casas</th>
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<tbody>
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<td>Discussant: Maleka Donalson</td>
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</table>

A Case Study of School Leadership and How It Relates to School Finance  
First author: Kurt Eisele

Towards the Development of a Conceptual Model of the Organizational Socialization of K-12 Principals  
First author: Thomas Nobili

'Unsettled and Leaving:' Examining Teacher Attrition in a District Under State Receivership  
First author: Stacy Szczesniul
Friday, October 18, 8:30 – 10:00 am

Cultivating Community: Creating a Constructivist Online Learning Environment for Teacher Leaders
First author: Mordechai Gordan

Algebraic Thinking in K-1 Grades: Early Childhood Pre-Service Teachers Learning to Teach Algebra with Designed Artifacts
First author: Rupam Saran

Session 10.4: Understanding and Overcoming Methodological Problems

Paper Session

Chair: Francis O’Donnell
Discussant: Francis O’Donnell

Conceptualizations of Validity in Court Cases about Testing
First author: Ramsey Cardwell

Sonography Certification Examinations: The Influence of Practice Tests and Self-Selection Bias
First author: Briana Craig

Evidence of a Two-Stage Response Process from Adaptive Likert items
First author: Nikole Gregg

Session 10.5: Out-of-School Time as a Lab for Reciprocal Learning in College-Community Partnerships

Symposium

Organizer: Sam Intrator

This symposium presents a series of papers focused on the goals, design, and transformational impact of Project Coach, a community-college partnership that addresses educational challenges in Springfield, MA, the city ranked 6th in the country for child poverty.

Project’s Coach’s Evolution: Transformational Partnership-Building

Challenges of Measuring Impact and Outcomes

Teacher Preparation in Community and Out-of-School Contexts
Youth Transformation: Developing Leadership Skills and a Sense of Purpose

Participatory Research on Young Adults in Springfield

**Session 10.6: Teaching Issues Roundtable**

<table>
<thead>
<tr>
<th>Roundtable</th>
<th>Merritt North</th>
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<td>Facilitator: Cathy Manly</td>
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Engagement in the Online Learning Community: Implications of Embedded Videos Within Blackboard Courses  
First author: Matt Connell

A Qualitative Semi-Structured Interview Study of NJ Social Studies Teachers Exploring Perceptions of Censorship  
First author: Christian Mathews

Can Playing Games Help Students Learn Introductory Psychology Concepts?  
First author: Dianne Zielinski

The Relationship Between Implicit Theories of Intelligence and Performance in Introductory Physics  
First author: Isaac Walton

**Session 10.7: Diverse Learner Issues Roundtable**

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Examining an urban community college's diverse teaching candidate success rates: Reflections on social reproduction  
First author: Edward Lehner

Finding the Spark: Helping Teachers Meet the Creative Needs of Neurodiverse Students  
First author: Kerry Cormier

Connecting Through Language Commonalities and Differences: Teachers' Discourses of Their Relationships with ELs  
First author: Adrian D. Martin

Assessing the Connection Between Culturally Responsive Teaching Pedagogy and Practice  
First author: Soljane Martinez
Session 11.1: Policy and Postsecondary Education
Poster Session

Inter-professional School-Based Practice: Understanding Roles and Responsibilities
First author: Joan Sauvigné-Kirsch

Leveraging evidence-based academic and personal supports (LEAPS): Taking inventory of faculty supports and barriers
First author: Meghan Bathgate

Perceived Value of Participating: Transforming communities of professional practice
First author: Elizabeth Carter

What Education Opportunities do Individuals With and Without Learning Disabilities Use?
First author: Tanya Longabach

Rethinking Factors that Enable Persistence among Black Male Students
First author: Ngozi Taffe

Use of Statistics 'Boot Camps' to Encourage Diverse Student Success
First author: Justin Willis

Becoming Culturally Responsive: The Experiences of Preservice ECE Teachers in One Community College
First author: Kate Zielinski

Session 11.2: Postsecondary Learning and Development
Paper Session

Chair: Dukjae Lee
Discussant: Bridget Thomas

Leveraging evidence-based academic and personal supports (LEAPS): Comparing individual supports to departmental contexts
First author: Glen Davenport

Assessing creativity in first-year engineering students' group projects
First author: Lauren Dougher

Student Perceived Relevance and Confidence of Success in General Education: A Cohort Comparison
First author: Nikole Gregg
Friday, October 18, 10:15 – 11:30 am

Career Decision-Making Self-Efficacy & Leadership Development of Community College Students: Quasi-Experimental Research
First author: Sarah McElroy

The Effect of High School Diversity on Students’ College Success: Evidence from China
First author: Galit Eizman

Session 11.3: Postsecondary Retention and Policy

Paper Session

Chair: Cathy Manly
Discussant: Cathy Manly

Community College Effect on Educational Outcomes
First author: Yelenna Rondon

Higher Education Dilemma: Diversity & Retention A Case Study in Success
First author: Elizabeth Ohara

Leaving so soon? Using first semester performance to predict student success
First author: Elisabeth Spratto

The Relationship Between First-Time International Undergraduate Enrollment and Net Tuition Revenue at Public Research Universities
First author: Olga Komissarova

Session 11.4: K-12 Policy and Teaching Issues

Paper Session

Chair: Ted Daisher
Discussant: Christian Mathew

School Context of Teachers Participating in Massive Open Online Courses
First author: Ella Anghel

Exploring the subtle aspects of parenting involvement in Karen refugee families in an urban district
First author: Victor Cristofaro

Making way for learning from mistakes: Instructional strategies at an elite high school
First author: Maleka Donaldson
Friday, October 18, 10:15 – 11:30 am

Developing Positive Mathematics Identity and Agency: Elementary Preservice Teachers in Mathematics Method Course Space
First author: Rupam Saran

Reducing Subjectivity in Evaluating the Student Learning Outcomes Criterion as Part of the Accreditation Process
First author: Charles Secolsky

Session 11.5: The Business of our Business
GSIC Session Montpelier
Speaker: Dr. Kimberly Page

Session 11.6: The power of small group literacy instruction for diverse learners across grade levels
Symposium Providence
Organizer: Carrie Hong

Four qualitative studies explored the effects of small group instruction among diverse groups of learners who find reading and writing challenging. Each paper presents the benefits of small group instruction to enhance students’ literacy development. Teachers can differentiate instruction in a small group setting, but the benefits of small group instruction are more than instructional and academic. Small group learning helps students participate in collaborative learning with peers socially and cognitively (Baye, et al., 2019). This symposium will provide an opportunity for teachers and teacher educators to discuss issues around transformation by design across grade levels.

The Impact of Small Group Instruction on Middle School Students’ Understanding of a Text

Small Group Reading Instruction with English Language Learners

Close and Repeated Readings of Shorter Texts for Students with Learning Disabilities, using Fluency Technology

Different Types of Writing Practices for High School At-Risk Students
Friday, October 18, 11:30 – 1:30 pm

**Lunch and Sesame Street: 50 Years of Educational Research**

**Plenary**

**Ballroom**

Enjoy lunch with us before heading back home. Watch the first episode of Sesame Street aired as well as other informational videos on how Sesame Street has incorporated Educational Research.
## At A Glance

### Wednesday October 16 - At a Glance

<table>
<thead>
<tr>
<th>Time</th>
<th>Ballroom Foyer</th>
<th>Boston</th>
<th>Concord</th>
<th>Hartford</th>
<th>Montpelier</th>
<th>Providence</th>
<th>Merritt North</th>
<th>Merritt South</th>
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<tbody>
<tr>
<td>8:10am</td>
<td>Registration</td>
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<td>10:10:15am</td>
<td>Break</td>
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<td>10:15-12:15</td>
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<tr>
<td>1:30-3pm</td>
<td>Registration</td>
<td>STEM in K-12, Teaching, Learning, and Standards</td>
<td>K-12 Assessment</td>
<td>K-12 Teaching for Unique Student Populations</td>
<td>K-12 Technology</td>
<td>Leadership K-12</td>
<td>Workshop: Pursue Smarter Pathways to Success: Transforming Education through Predictive Analytics (1-4pm)</td>
<td>Workshop: Using Stan for Bayesian Estimation of Item Response Theory Models (1-4pm)</td>
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<tr>
<td>3:15-4:45pm</td>
<td>K-12 Poster Session</td>
<td>K-12 Pedagogy</td>
<td>Oral History Project</td>
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<td>4:45-5:30pm</td>
<td>Registration</td>
<td></td>
<td>Oral History Project</td>
<td>GSIC Social</td>
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**DINNER in Ballroom - Ezekiel Dixon-Román, Keynote Speaker**

### Thursday October 17 - At a Glance

<table>
<thead>
<tr>
<th>Time</th>
<th>Ballroom Foyer</th>
<th>Boston</th>
<th>Concord</th>
<th>Hartford</th>
<th>Montpelier</th>
<th>Providence</th>
<th>Merritt North</th>
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<tbody>
<tr>
<td>7:015am</td>
<td>Registration</td>
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<tr>
<td>8:15-9:45am</td>
<td>GSIC: Getting it Right: Managing the Dissertation Process</td>
<td>Test Development and Validation</td>
<td>Supporting Diverse Learners</td>
<td>Fairness Issues in Assessment</td>
<td>Workshop: Generalized Boosting Modeling in R (8:15-10:15am)</td>
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<tr>
<td>9:45-10am</td>
<td>Break</td>
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<tr>
<td>10-11:30am</td>
<td>Registration</td>
<td>Dealing with Drift, Missing Data, and Anchor Instability</td>
<td>Advances in Diagnostic Classification Modeling and Latent Transition Analysis</td>
<td>Exploring Possibilities to Improve Multistage Assessments</td>
<td>New Research on Item and Anchor Analysis</td>
<td>Interrogating Education and Language</td>
<td>Oral History Project</td>
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<tr>
<td>11:30-1:30</td>
<td>LUNCH in Ballroom - Alina von Davier, Keynote Speaker</td>
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<td>1:30-2:45pm</td>
<td>Unconference</td>
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<td>2:45-3:00</td>
<td>Break</td>
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**Invited Panel - Transformation by Design in Ballroom**

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<tbody>
<tr>
<td>5:45-6:30pm</td>
<td>NERI Mentoring Happy Hour - Bar/Restaurant</td>
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<td>6:30-8:15pm</td>
<td>DINNER &amp; Presidential Address in Ballroom</td>
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<td>8:15-11pm</td>
<td>NERI 60th Conference Reception in Merritt</td>
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<td>7:30-8:20am</td>
<td>Registration</td>
<td>Self-Efficacy, Socioeconomic Status, and Students with Learning Disabilities: Implications for STEM Achievement</td>
<td>Postsecondary Diversity and Student Experience</td>
<td>School Leadership, Policy, and Finance</td>
<td>Understanding and Overcoming Methodological Problems</td>
<td>Out-of-School Time at a Lab for Reciprocal Learning in College-Community Partnerships</td>
<td>Teaching Issues Roundtable</td>
<td>Diverse Learner Issues Roundtable</td>
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<td>10:15-11:00am</td>
<td>Policy and Postsecondary Education Poster Session</td>
<td>Postsecondary Learning and Development</td>
<td>Postsecondary Retention and Policy</td>
<td>K-12 Policy and Teaching Issues</td>
<td>GSIC: The Business of Our Business</td>
<td>The power of small group literacy instruction for diverse learners across grade levels</td>
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