

NERA 2019

## Transformation by Design

50th Annual Meeting of the  
Northeastern Educational Research Association  
Trumbull, CT  
October 16 – 18, 2019

**NERA**

NORTHEASTERN EDUCATIONAL  
RESEARCH ASSOCIATION



# Welcome from the 2019 NERA President



It is with great excitement that I welcome you to the 50<sup>th</sup> 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 from the 2019 Conference Committee

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 50<sup>th</sup> 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 50<sup>th</sup> 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



## Follow, Post, & Win Prizes!

Use the hashtag **#NERA50th**  
and tag us on:



Facebook: [@NERAconference](#)



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](http://nera-education.org) | [NERA.SocialMedia@gmail.com](mailto: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.





# DRIVING INNOVATION

to meet the evolving needs of education

We design our assessments with industry-leading insight, rigorous research and an uncompromising commitment to quality, so that educators can make informed decisions with confidence.

Learn more about our research and policy studies at [www.ets.org/research](http://www.ets.org/research).



*Measuring the Power of Learning.®*

**cognia™**

# Thank you to our Sponsors!

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

Diamond Sponsors	
Pearson <a href="http://www.pearson.com">www.pearson.com</a>	James Madison University <a href="http://www.jmu.edu/assessment">www.jmu.edu/assessment</a>
edCount <a href="http://www.edcount.com">www.edcount.com</a>	Johnson & Wales University <a href="http://www.jwu.edu">www.jwu.edu</a>
National Center for the Improvement of Educational Assessment <a href="http://www.nciea.org">www.nciea.org</a>	

Platinum Sponsors	
American Board of Surgery <a href="http://www.absurgery.org">www.absurgery.org</a>	Educational Testing Service <a href="http://www.ets.org">www.ets.org</a>
Cognia <a href="http://www.cognia.org">www.cognia.org</a>	Southern Connecticut State University <a href="http://www.southernct.edu/academics">www.southernct.edu/academics</a>
Curriculum Associates <a href="http://www.curriculumassociates.com">www.curriculumassociates.com</a>	University of Connecticut Neag School of Education <a href="http://www.education.uconn.edu">www.education.uconn.edu</a>
Educational Records Bureau <a href="http://www.erblearn.org">www.erblearn.org</a>	University of Massachusetts Amherst <a href="http://www.umass.edu/education">www.umass.edu/education</a>

Gold Sponsors	
American Board of Internal Medicine <a href="http://www.abim.org">www.abim.org</a>	HumRRO <a href="http://www.humrro.org">www.humrro.org</a>
American Institute of CPAs <a href="http://www.aicpa.org">www.aicpa.org</a>	Montclair State University <a href="http://www.montclair.edu/cehs">www.montclair.edu/cehs</a>
ACS Ventures <a href="http://www.acsventures.com">www.acsventures.com</a>	National Board of Medical Examiners <a href="http://www.nbme.org">www.nbme.org</a>
Buros Center for Testing at University of Nebraska-Lincoln <a href="http://www.unl.edu/buros">www.unl.edu/buros</a>	Prometric <a href="http://www.prometric.com">www.prometric.com</a>





# NERA Awards

## **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.



# Building Tomorrow

Student success is at the heart of everything we do, and success tomorrow requires innovation today. At Pearson, we develop technologies and approaches to measure 21st century skills in a more meaningful way. We are on a mission to serve students by partnering with educators to build the future.

Learn more at [www.pearsonassessments.com](http://www.pearsonassessments.com)



# NERA Proposal Reviewers

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.

Daniel Alemu, Ryan Ambuter, Charity Anderson, Yu Bao, Bozhidar Bashkov, Christopher Benedetti, Le Shorn Benjamin, Tanesia Beverly, Felice Billups, Jennifer Bochenek, Jolene Carey-Pace, Yi Chen, Ellina Chernobilsky, Kimberly Colvin, Kerry Cotter, Nancy DeJarnette, Maleka Donaldson, Cheryl Durwin, Kurt Eisele, Tia Fechter, Sara Ferguson, Bethany Fishbein, Kelly Foelber, Yanyan Fu, Alejandra Garcia, Elizabeth Gittman, Avery Harrison, Barbara Helms, **Steven Holtzman**, Jeanne Horst, Nia Hulse, Andrew Jones, HyunJoo Jung, Daniel Jurich, Matthew Kilic, Stacey Kite, Olga Komissarova, Jason Kopp, Mina Lee, Brian Leventhal, Travis Liebttag, Michael Lockshier, Yong Luo, Lilliam Malave, Michelle Maltempi, Robert Mangione, Catherine Manly, Joshua Marland, Christian Mathews, Laura Millay, Maria Boeke Mongillo, Scott Monroe, Rebecca Natow, Anne Niccoli, **Sujata Norman**, Francis O'Donnell, Amber O'Shea, Frank Padellaro, Pamela Peters, Matias Placencio, Jill Ramey, Hope Shuttleworth, Jonathan Steinberg, **Cassy Thime**, Johan van der Jagt, Greta Winograd, Michael Wolter, Weiyan Xiong, Mary Yakimowski, Olcay Yavuz, April Zenisky, Whitney Zimmerman



## THE CENTER FOR ASSESSMENT & RESEARCH STUDIES JAMES MADISON UNIVERSITY



- Center for Assessment & Research Studies  
<http://www.jmu.edu/assessment>
- Ph. D. Program in Assessment & Measurement  
<http://www.psyc.jmu.edu/assessment/>
- M.A. in Psychological Sciences  
(Quantitative Psychology)  
<http://www.psyc.jmu.edu/psycsciences/quantitativepsyc.html>
- Graduate Certificate in Higher Education  
<http://www.jmu.edu/outreach/programs/all/assessment/>

MSC 6808 Harrisonburg, VA  
22807 [assessment@jmu.edu](mailto:assessment@jmu.edu)  
Phone: 540.568.6706 Fax:  
540.568.7878





# Proven solutions for student success.



**i-Ready**

Blended by design using rich diagnostic data to connect the student experience across digital and classroom learning environments.

CurriculumAssociates.com/Research



## THE AMERICAN BOARD OF SURGERY

***Promoting surgical excellence since 1937***

*The American Board of Surgery serves the public and the specialty of surgery by providing leadership in surgical education and practice, by promoting excellence through rigorous evaluation and examination, and by promoting the highest standards for professionalism, lifelong learning, and the continuous certification of surgeons in practice.*

**[www.absurgery.org](http://www.absurgery.org) | [@AmBdSurg](https://twitter.com/AmBdSurg) | [www.facebook.com/AmBdSurg](https://www.facebook.com/AmBdSurg)**

**1617 John F. Kennedy Blvd., Suite 860 | Philadelphia, PA | 19103 USA**



# 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.

## edCount is pleased to sponsor NERA

A graphic with a teal and purple color scheme. It features two rows of three panels each, separated by a central vertical column. The top row is labeled 'Practice Areas' and the bottom row is labeled 'Services'. Each panel contains a background image and a text overlay.

**Practice Areas**

- Standards, Assessment and Accountability
- English Learners
- Students with Disabilities

**Services**

- Instructional Systems Design and Capacity Building
- Assessment Design, Implementation, and Evaluation
- Policy Evaluation and Support

**edCount<sup>®</sup> LLC**  
because all students count

edCount, LLC  
1800 Diagonal Road, Suite 600  
Alexandria, VA 22314

(202) 895-1502  
info@edCount.com  
www.edCount.com

# About NERA

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.

## Leadership

**President:** Rochelle Michel, *Educational Records Bureau*

**President-elect:** Ross Markle, *DIA Higher Education Collaborators*

**Past President:** Javarro Russell, *Educational Testing Service*

**Secretary:** Haifa Matos, *Rutgers University*

**Treasurer:** Tia Fetcher, *Defense Personnel Assessment Center*

## Board of Directors

Joshua Marland, *Education Analytics*

Jason Kopp, *American Board of Surgery*

Juliette Lyons-Thomas, *Educational Testing Service*

Nina Deng, *Kaplan Test Prep*

Pamela Kaliski, *American Board of Internal Medicine*

Andrew Jones, *American Board of Surgery*

## NERA Researcher Co-Editors

Katrina Roohr, *Educational Testing Service*

Kate Nolan, *Curriculum Associates*

## Webmaster

Chi Hang Au, *James Madison University*

## 2019 Conference Co-Chairs

Alejandra Amador Garcia, *Project Management Institute*

Paola Heincke, *Educational Testing Service*

Bridget Thomas, *Quality Information Partners*

## 2020 Conference Co-Chairs

Andrew Jones, *American Board of Surgery*

Thai Ong, *American Board of Internal Medicine*

Jonathan Rubright, *National Board of Medical Examiners*

Madison Holzman, *Curriculum Associates*

## Conference Proceedings Editor

Jade Caines Lee, *University of New Hampshire*

## Mentoring Program Co-Chairs

Tanesia Beverly, *Law School Admissions Council*

Jerusha Henderek, *National Board of Medical Examiners*



***Fostering greater student learning through  
improved assessment and  
accountability systems.***

Providing customized technical assistance to  
over 35 states in designing and implementing  
fair and effective assessment and  
accountability systems.



31 Mount Vernon Street  
Dover, NH 03820  
603.516.7900  
[www.nciea.org](http://www.nciea.org)

## **COLLEGE of EDUCATION** **University of Massachusetts Amherst**

Dedicated to enhancing the practice of education through scholarship that informs the preparation of educational professionals, the improvement of educational systems, and the development of education policy.



Enriching education locally, regionally, globally.

**UConn is hiring.**  
**Join the**  
**Neag School**  
**of Education.**

**UCONN**

NEAG SCHOOL OF EDUCATION

**[s.uconn.edu/NeagHiring](https://s.uconn.edu/NeagHiring)**



# NERA Standing Committees

## *Communications Committee*

**Chair:** Bozhidar "Bo" Bashkov *American Board of Internal Medicine*

**Members:**

Chi Hang Au (Webmaster), *James Madison University*

Monica Erbacher Smith (Former Chair & Advisor), *University of Arizona*

S. Jeanne Horst (Former Chair & Advisor), *James Madison University*

Mina Lee (Email Coordinator), *University of Massachusetts - Amherst*

Frank Padellaro (Social Media Coordinator), *Cognia*

## *Membership Committee*

**Chair:** Madison Holzman, *Curriculum Associates*

**Members:**

Amanda Kershaw

Rory Lazowski, *College Board*

Francis O'Donnell, *University of Massachusetts - Amherst*

Liz Spratto, *James Madison University*

Kathryn Thompson, *James Madison University*

Glenn "Tom" Waterbury, *James Madison University*

## *Teacher-as-Researcher Issues Committee*

**Chair:** Darlene Russell, *William Paterson University*

**Members:**

Elizabeth Alexis, *St. John's University*

Lisa Bajor, *St. John's University*

Francine Falk-Ross, *Pace University*

Tina Tsiokris, *St. John's University*

## *Nominations Committee*

**Chair:** Javarro Russell, *Educational Testing Service*

**Members:**

Charles DePascale, *National Center for the Improvement of Educational Assessment*

Barbara J. Helms, *Educational Evaluation Consultant*

Thanos Patelis, *HumRRO*

Lynn Shelley, *Westfield State University*

April Zenisky, *University of Massachusetts - Amherst*

## *Graduate Student Issues Committee*

**Chair:** Henry "Hank" Johnson, *New England Institute of Technology*

**Members:**

Jessica Schwartzer, *George Mason University*

Aaron Myers, *James Madison University*

Henry Johnson, *Johnson & Wales University*

Ashley Carpenter, *University of Massachusetts - Amherst*

Guher Gorgun, *University at Albany SUNY*

Nikole Lynn Gregg, *James Madison University*

Catherine Mathers, *University of Iowa*

Emily Ho, *Fordham University*

The image features the Johnson & Wales University logo in the top left corner, which includes a crest with a lion and the year 1862. The background is a photograph of three women in a professional setting, likely a meeting or classroom. One woman with glasses is pointing at a document, while the other two look on attentively. A dark blue diagonal overlay covers the bottom right portion of the image, containing white and yellow text.

**JOHNSON & WALES**  
UNIVERSITY

Johnson & Wales University offers an  
Ed.D. in Educational Leadership with a  
Higher Education track at the Providence Campus.  
For information, please call **401.598.1015**  
or email **pvdgrad@admission.jwu.edu**.

**jwu.edu/edd**

# NERA Awards Committees

**Thomas Donlon Mentoring Award**

**Chair:** Marcia Delcourt *University of Massachusetts - Amherst*

**Members:**

Marcy Delcourt, *Western Connecticut State University*

Joshua Marland, *Highlander Institute*

Cathy Wendler, *Educational Testing Service*

**Leo D. Doherty Memorial Award**

**Chair:** April Zenisky, *University of Massachusetts - Amherst*

**Members:**

Steven Holtzman, *Educational Testing Service*

David Moss, *University of Connecticut*

Steve Sireci, *University of Massachusetts - Amherst*

Elizabeth Stone, *Educational Testing Service*

**Lorne H. Woollatt Distinguished Paper**

**Chair:** Abigail (Lau) Cahill, *James Madison University*

**Members:**

David Alba, *Concordia University*

Michael Deasy, *Athol Royalston Regional School District*

Rochelle Michel, *Educational Records Bureau*

Johan van der Jagt, *Bloomsburg University of Pennsylvania*

# NERA Ad Hoc Committees

## **Infrastructure**

**Chair:** Jonathan Steinberg, *Educational Testing Service*

### **Members:**

Kelly Foelber, *American Board of Internal Medicine*

Steven Holtzman, *Educational Testing Service*

Beth Perkins, *James Madison University*

Paulius Satkus, *James Madison University*

Daigo Blanco Murakoshi, *James Madison University*

Siyu Wan, *University of Massachusetts – Amherst*

Alejandra Garcia, *Project Management Institute*

Chi Hang Au, *James Madison University*

Tia Fechter, *Defense Personnel Assessment Center*

## **Site Selection**

**Chair:** Ross Markle, *DA Higher Education Collaborators*

## **Conference Ambassadors**

**Chair:** Sarah Ferguson, *Rowan University*

### **Members:**

Patricia Baron, *Educational Testing Services*

Nina Deng, *Kaplan Test Prep*

Jessica Flake, *University of Connecticut*

Teresa King, *Educational Testing Service*

Jason Kopp, *American Board of Surgery*

Kate Marino, *Pennsylvania State University*

Darlene Perner, *Bloomburg University of Pennsylvania*

Cathy Wendler, *Educational Testing Service*

Whitney Zimmerman, *Pennsylvania State University*

## **Strategic Planning**

**Chair:** April Zenisky, *University of Massachusetts – Amherst*

### **Members:**

Barbara J. Helms, *Educational Evaluation Consultant*

Kristen Huff, *Curriculum Associates*

David Moss, *University of Connecticut*

Thanos Patelis, *HumRRO*

Darlene Perner, *Bloomburg University*



Southern Connecticut  
State University



# Sessions

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.

Wednesday, October 16, 1:30 – 3:00 pm

## Session 2.3: STEM in K-12, Teaching, Learning, and Standards

Paper Session

Boston

Chair: Gabriel Rodriguez

Discussant: Daniel Fishtein

Impact of a Learning Assistant Model on Physics Teacher Recruitment: Lessons Learned

First author: Issam Abi-El-Mona

Science and Engineering Knowledge and Language: A Mixed Method Approach Using the Cat in the Hat Knows a Lot About That

First author: Susan Brand

A New Representation of the Next Generation Science Standards

First author: Marisa Castronova

The impact of a STEM mobile laboratory imitative on K-12 students in high needs schools

First author: Nancy DeJarnette

## Session 2.4: K-12 Assessment

Paper Session

Concord

Chair: Mariola Moeyaert

Discussant: Amber O'Shea

Students' and Parents' Perceptions on School-Based Assessment Practice in Anglophone West African Secondary Schools

First author: Samuel Olufemi Adebule

Assessment is anxiety', 'assessment is power': An exploration of pre-service teachers' perceptions of assessment

First author: Aarti Bellara

Assessment Knowledge for Teaching: Aligning Goals and Methods of Assessment

First author: Laura Millay

Mitigating Issues Surrounding Use of a Single DIF Statistic to Describe Differential Item Functioning Over Multiple Form

First author: Frank Padellaro

Wednesday, October 16, 1:30 – 3:00 pm

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

Paper Session

Hartford

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

Paper Session

Montpelier

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

Paper Session

Providence

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

Poster Session

Ballroom Foyer

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

Boston

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

Wednesday, October 16, 3:15 – 4:45 pm

### 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: Ezekeil 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

Social

Merritt

Come celebrate NERA's 50<sup>th</sup> 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

Competitive

Merritt

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



Thursday, October 17, 8:15 – 9:45 am

## Session 4.3: K-12 Supporting Diverse Learners

Paper Session

Montpelier

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

Paper Session

Providence

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

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

## Session 5.2: Advances in Diagnostic Classification Modeling and Latent Transition Analysis

Paper Session

Concord

Chair: Brian Leventhal

Discussant: Christine Pacinello

Attribute Level and Model Selection Indices for Polytomous-attribute Diagnostic Classification Models  
First author: Yu Bao

Use of latent transition analysis to detect noncognitive skill changes across time  
First author: Chelsea Ezzo

Revisiting Diagnostic Classification Model Invariance Properties  
First author: Matthew Madison

## Session 5.3: Exploring Possibilities to Improve Multistage Assessments

Paper Session

Hartford

Chair: Daniel Fishtein

Discussant: Charles Secolsky

Exploratory Response Time Analyses Massachusetts Adult Proficiency Tests (MAPT-CCR)  
First author: Maritza Casas

Exploring the Feasibility of Using Collateral Information in the First Stage of the MAPT-CCR  
First author: HyunJoo Jung

An Investigation of Using Previous Scores for Routing Examinees in Multistage Assessments  
First author: Junhui Liu

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

## Session 5.4: New Research on Item and Anchor Analysis

Paper Session

Montpelier

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

Paper Session

Providence

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 – 2:45pm

## 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

Merritt North

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

Ballroom Foyer

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

Concord

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

Hartford

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

Symposium

Montpelier

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

Paper Session

Providence

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

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, 4:30 – 5:45 pm

## Invited Panel: Transformation by Design

Plenary Session

Ballroom

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



Panelists: Alina Von Davier, Senior Vice President 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 50<sup>th</sup> 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

Plenary

Ballroom

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

Symposium

Boston

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



Friday, October 18, 8:30 – 10:00 am

## Session 10.2: Postsecondary Diversity and Student Experience

Paper Session

Concord

Chair: Alejandra Garcia

Discussant: Alejandra Garcia

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

Hartford

Chair: Maritza Casas

Discussant: Maleka Donalson

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 Szczesiul

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

Montpelier

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

Providence

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

Friday, October 18, 8:30 – 10:00 am

Youth Transformation: Developing Leadership Skills and a Sense of Purpose

Participatory Research on Young Adults in Springfield

## Session 10.6: Teaching Issues Roundtable

Roundtable

Merritt North

Facilitator: Cathy Manly

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

Roundtable

Merritt South

Facilitator: Cathy Manly

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

Friday, October 18, 10:15 – 11:30 am

## Session 11.1: Policy and Postsecondary Education

Poster Session

Ballroom Foyer

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

Boston

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

Concord

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

Hartford

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								
	Ballroom Foyer	Boston	Concord	Hartford	Montpelier	Providence	Merritt North	Merritt South
	Registration							
8-10am	Registration						Workshop: Supporting Social Justice in STEM for Culturally-Diverse Learners (8-10am)	Workshop: An Introduction to Multilevel Structural Equation Modeling with R (9am -noon)
10-10:15am	Break							
10:15-12:15	Registration						Workshop: Using R to Automatically Generate Reports and Presentations with Officer (10:15 - 12:15pm)	
	Registration							
1:30-3pm	Registration	STEM in K-12, Teaching, Learning, and Standards	K-12 Assessment	K-12 Teaching for Unique Student Populations	K-12 Technology	Leadership K-12	Workshop: Pursue Smarter Pathways to Success: Transform Education through Predictive Analytics (1-4pm)	Workshop: Using Stan for Bayesian Estimation of Item Response Theory Models (1-4pm)
	Break							
3:15-4:45pm	K-12 Poster Session	K-12 Pedagogy	Oral History Project	Perceptions and Experiences of Social Justice in a College of Education: The Journey of EDUC661		K-12 Roundtable Session		
4:45-5:30pm	Registration		Oral History Project				GSIC Social	
5:30-8:00pm	DINNER in Ballroom - Ezekiel Dixon-Roman, Keynote Speaker							
8:00-11:00pm	3MT competition and NERA Welcome Reception in Merritt							

Thursday October 17 - At a Glance								
	Ballroom Foyer	Boston	Concord	Hartford	Montpelier	Providence	Merritt North	Merritt South
7-8:15am	Registration	Breakfast in Ballroom						
8:15-9:45am	Registration	GSIC: Getting Through It: Managing the Dissertation Process		Test Development and Validation	Supporting Diverse Learners	Fairness Issues in Assessment	Workshop: Generalized Boosted Modeling in R (8:15-10:15am)	
9:45-10am	Break							
10-11:30am	Registration	Dealing with Drift, Missing Data, and Anchor Instability	Advances in Diagnostic Classification Modeling and Latent Transition Analysis	Exploring Possibilities to Improve Multistage Assessments	New Research on Item and Anchor Analysis	Interrogating Education and Language		Oral History Project
11:30-1:30	LUNCH in Ballroom - Alina VonDavier, Keynote Speaker							
1:30-2:45pm	Registration	Unconference	Unconference	Unconference	Unconference	Unconference	Workshop: I presented at NERA! Now what do I do with this paper? A workshop on academic writing and building a research agenda (2:30-4:30pm)	
2:45-3:00	Registration	Break						
3:00-4:30pm	Measurement Poster Session	What Might My Score Be? Predicting Test Results Using Practice Tests and Previous Scores	Reviewing Journal Articles & Measuring Mindset, Meaning, and Creativity	Non-Cognitive Assessment: From Developing Tests to Analyzing Results	Culturally Responsive teaching: The importance of relationships and respect in Urban schools	Estimation: New Directions and Method Comparisons		Oral History Project
4:30-5:45pm	Invited Panel - Transformation by Design in Ballroom							
5:45-6:30pm	NERA Mentoring Happy Hour - Bar/Restaurant							
6:30-8:15pm	DINNER & Presidential Address in Ballroom							
8:15-11om	NERA 50th Conference Reception in Merritt							

Friday October 18 - At a Glance								
	Ballroom Foyer	Boston	Concord	Hartford	Montpelier	Providence	Merritt North	Merritt South
7:30-8:30am	Registration	Breakfast and NERA Business Meeting in Ballroom						
8:30-10am	Registration	Self-Efficacy, Socioeconomic Status, and Students with Learning Disabilities: Implications for STEM Achievement	Postsecondary Diversity and Student Experience	School Leadership, Policy, and Finance	Understanding and Overcoming Methodological Problems	Out-of-School Time as a Lab for Reciprocal Learning in College-Community Partnerships	Teaching Issues Roundtable	Diverse Learner Issues Roundtable
10-10:15am	Break							
10:15-11:30am	Policy and Postsecondary Education Poster Session	Postsecondary Learning and Development	Postsecondary Retention and Policy	K-12 Policy and Teaching Issues	GSIC: The Business of Our Business	The power of small group literacy instruction for diverse learners across grade levels		
11:30-1:30	LUNCH - Sesame Street: 50 Years of Educational Research							

