

UConn's RMME Programs at AERA & NCME 2024

April 11, Thursday

9.00 am to 10.30 am

Conference: American Educational Research Association

Location: Pennsylvania Convention Center, Level 100, Room 112B

Session Type: Symposium

Symposium Title: Beyond Seeing Success: Exploring Optimal Features of Role Models and Mentors to Broaden STEM Participation

Chairs: Emily Quinn Rosenzweig, Xiao-Yin Chen

Discussant: Paul Hernandez*

Session Title: Beyond Seeing Success: Exploring Optimal Features of Role and Mentors or Broden STEM Participation

Symposium Title: Predicting Network Tie Formation in Formal Mentoring: Similarity Matters for Undergraduate Women Students in STEM.

Authors: Qiyue Zhang, Paul Hernandez*

10.50 am to 12.20 pm

Conference: American Educational Research Association

Location: Pennsylvania Convention Center, Second Floor, Exhibit Hall A

Session Type: Poster session

Session Title: Research in Mathematics Education

Poster Title: Team Bases Learning in Secondary Mathematics: A Mixed Methods Study

Author: Miriam Marie Sanders, Keith Fernandez, Milan Mathew, Fairouz Ramisa, Karen Rambo-Hernandez*

12.40 pm to 2.10 pm

Conference: American Educational Research Association

Location: Pennsylvania Convention Center, Second Floor, Exhibit Hall A

Session Type: Poster session

Session Title: Engineering and Computer Science Education Posters

Poster Title: Using an Equity, Diversity, and Inclusion Lens to Review Computational Thinking Research

Author: Julia Oas*, Bianca Montrose-Moorhead*, Ido Davidesco, Dylan Boczar*

2.30 pm to 4.00 pm

Conference: American Educational Research Association

Location: Pennsylvania Convention Center, Second Floor, Exhibit Hall A

Session Type: Poster Session

Session Title: Learning and Motivation in Social and Cultural Contexts 1

Poster Title: COVID-19 Learning Loss in Mathematics and Reading: A Cohort Comparison

Author: Noah Koehler, Hyeon Lee, Sarah Elizabeth Spencer, Karen Rambo-Hernandez*

April 12, Friday

7.45 am to 9.15 am

Conference: American Educational Research Association

Location: Pennsylvania Convention Center, Level 100, Room 115C

Session Type: Symposium

Session Title: Multi-Theoretical Perspective on Instructional Supports for Student Motivation

Paper Title: Measuring Student Perceptions of Motivational Climate: Insights from a Think-Aloud Study

Authors: Lindsay Alley, Jessica Flake*, Kristy Robinson

Conference: American Educational Research Association

Location: Philadelphia Marriott Downtown, Level 3, Room 303

Session Type: Symposium

Session Title: Challenges and Considerations for Creating Equitable Identification Systems

Paper Title: Can Local Norms Work Without Data from All Students?

Authors: Daniel Long, Betsy McCoach*, Scott Joseph Peters, Anthony J. Gambino*, Del Siegle

Paper Title: How do Teacher Rating Scales Reflect the Teacher Doing the Rating?

Authors: Betsy McCoach*, Anthony J. Gambino*, Scott Joseph Peters, Daniel Long, Del Siegle

Conference: American Educational Research Association

Location: Pennsylvania Convention Center, Second Floor, Exhibit Hall B

Session Type: Roundtable sessions

Session Title: Supporting Student Self-Efficacy in Mathematics Education (Table 9)

RoundTable Session Title: Mathematical Resilience in Elementary School: Validation of a Tool to Support Student Success

Authors: Janice Kooker*

Conference: American Educational Research Association

Location: Philadelphia Marriott Downtown, Level 3, Room 303

Session Type: Symposium

Session (Symposium) Title: Challenges and Considerations for Creating an Equitable Identification System

Paper Title: Four Complications For Implementing Local Norms

Authors: Matthew McBee, Lindsay Ellis Lee, Betsy McCoach*

Paper Title: Can Local Norms Work Without Data From All Students?

Authors: Daniel A. Long, Betsy McCoach*, Scott Joseph Peters, Anthony J. Gambino*, Del Siegle

Paper Title: Identification Criteria Decisions Impact Cognitive Ability Profiles and Demographic Representation

Authors: Lindsay Lee, Betsy McCoach*, Tamra Stambaugh, Matthew Makel, Scott Joseph Peters, Matthew McBee, Kiana Johnson

Paper Title: How Do Teachers Rating Scales Reflect the Teacher Doing the Rating?

Authors: Betsy McCoach*, Anthony J. Gambino*, Scott Joseph Peters, Daniel A. Long, Del Siegle

9.35 am to 11.05 am

Conference: American Educational Research Association

Location: Pennsylvania Convention Center, Second Floor, Exhibit Hall B

Session Type: Roundtable session

Session Title: Rethinking Innovative Pedagogies for Multilingual Learners (Table 29)

Paper Title: Exposure to Dialogic Instruction During Covid-19 Benefits Students' Argumentative Writing: Evidence from Propensity Score Analysis

Authors: Ralf Ferretti, Yi Song, Haobai Zhang, Hilary Mead, Zachary K. Collier*, John Sabatini

Conference: American Educational Research Association

Location: Pennsylvania Convention Center, Level 100, Room 110A

Session Type: Paper

Session Title: Racialized Realities of Mentorship, Belongings, and Advising in STEM

Paper Title: Quality Over Quantity: Supportive Mentor Networks Promote STEM Identity and Well-Being for STEM Undergraduates.

Authors: Rachele Pedersen, Paul Hernandez*, Anna Woodcock, Wesley Schultz

Conference: American Educational Research Association

Location: Pennsylvania Convention Center, Second Floor, Exhibit Hall B

Session Type: Roundtable Session

Session Title: Family, school, Community Partnership Initiatives to Promote Literacy (Table 17)

Roundtable Session Title: The Impact of One Semester of Future Forward Literacy on Reading Achievement and School Attendance

Authors: Curtis Jones, DongMei Li*

Conference: American Educational Research Association

Location: Philadelphia Marriott Downtown, Level3, Room 303

Session Type: Paper

Session Title: Frameworks for Inclusivity in Readiness in Special Education: Insights from Transition Planning and UDL

Paper Title: Multilevel Examination of School and Student Characteristics on College and Career Readiness

Authors: Allison Lombardi, Graham Gilbert Rifenbark*, Christopher Esposito*, Ashley Taconet*

Paper Title: Examining Economic Hardship, Transition Planning, Self-Determination, and Independent Living Skills for Transition-Aged Youth Using NLTS2012

Authors: Allison Lombardi, Graham Gilbert Rifenbark*, Ashley Taconet*

11.25 am to 12.55 pm

Conference: American Educational Research Association

Location: Philadelphia Marriott Downtown, Level 3, Room 303

Session Type: Symposium

Session (Symposium) Title: Challenges and Considerations for Creating an Equitable Identification System

Paper Title: Four Complications For Implementing Local Norms

Authors: Matthew McBee, Lindsay Ellis Lee, Betsy McCoach*

Paper Title: Can Local Norms Work Without Data From All Students?

Authors: Daniel A. Long, Betsy McCoach*, Scott Joseph Peters, Anthony J. Gambino*, Del Siegle

Paper Title: Identification Criteria Decisions Impact Cognitive Ability Profiles and Demographic Representation

Authors: Lindsay Lee, Betsy McCoach*, Tamra Stambaugh, Matthew Makel, Scott Joseph Peters, Matthew McBee, Kiana Jhonson

Paper Title: How Do Teachers Rating Scales Reflect the Teacher Doing the Rating?

Authors: Betsy McCoach*, Anthony J. Gambino*, Scott Joseph Peters, Daniel A. Long, Del Siegle

3.05 pm to 4.35 pm

Conference: American Educational Research Association

Location: Pennsylvania Convention Center, Level 100, Room 108B

Session Type: Paper

Session Title: Higher Educational Pathways: From High School to College and Beyond

Paper Title: Investigation of a Test-Optional University Admissions Policy: How students decide Whether to submit Test Scores.

Authors: Morgan Donaldson, Kiah Devona, Catherina Villafuerte*, Eric Loken*

Conference: American Educational Research Association

Location: Pennsylvania Convention Center, Second Floor, Exhibit Hall B

Session Type: Roundtable

Session Title: Examining STEM Students' Higher Education Trajectories (Table 31)

Roundtable Session Title: A Within-Person Examination of Predictors of First-Year Engineering Student Persistence Intentions: A Multilevel Approach

Author: Allison Margret, Andrea McMurray, Karen Rambo-Hernandez*

4.55 pm to 6.25 pm

Conference: American Educational Research Association

Location: Pennsylvania Convention Center, Second Floor, Exhibit Hall B

Session Type: RoundTable

Session Title: Research on Giftedness, Creativity, and Talent SIG

Paper Title: Teacher Response to Professional Learning: A Mixed Methods Evaluation Study of a Javits Project

Authors: Ann Robinson, Monica Meadows, Jill Adelson*, Keila Moreno Navarrete

6.45 pm to 8.15 pm

Conference: American Educational Research Association

Location: Philadelphia Marriott Downtown, Level 5, Salon B
Session Type: Business Meeting
Session Title: Research on Giftedness, Creativity, and Talent SIG Business Meeting
Chair: Karen Rambo-Hernandez*

April 13, Saturday

11.25 am to 12.55 pm

Conference: American Education Research Association
Location: Pennsylvania Convention Center, Second Floor, Exhibit Hall B
Session Type: Roundtable
Session Title: What Worked to Promote Student Outcomes in High Schools (Table 24)
Roundtable session Title: Accelerating Literacy for Adolescents (ALFA): Evaluating ALFA Lab Using a Regression Discontinuity Design
Authors: Marcia Davis, Jason Schoeneberger, Christopher H. Rhoads*, Douglas J. Mac Iver, Xiaodong Zhang, Martha Abela Mac Iver, Samantha Spinney

Conference: National Council on Measurement in Education 2024 Annual Meeting
Location: Convention Center, Floors Fouth, Terrace Ballroom IV
Session Type: Poster session
Session Title: GSIC Poster Session II
Presentation Title: A Modified Bisquare Estimation Procedure for Identifying Partial Disengagement
Contributing Authors: Claudia J. Ventura*, Joseph Rios

1.15 pm to 2.45 pm

Conference: American Educational Research Association
Location: Pennsylvania Convention Center, Second Floor, Exhibit Hall B
Session Type: Roundtable
Session Title: Exploring Equity-Focused Constructs and Contexts in Motivation Research (Table 14)
Roundtable Session Title: Diversity Climate and Diversity Value: How They Lead to Belonging, Motivation and Persistence in STEM
Author: Hyewon Lee, Blaine Pederson, Su Jiang, Syahrui Amin, Karen Rambo-Hernandez*

Conference: American Educational Research Association
Location: Philadelphia Marriott Downtown, Level 4, Franklin 4
Session Type: Paper

Session Title: Postsecondary Pathways for student in Stem Majors

Paper Title: Examining the Effects of the Covid 19 Interruptions on First-Year Engineering Persistence at Two Diverse Institute

Author: Syahrul Amin, Karen Rambo-Hernandez*, Blaine Pedersen, Bimal Nepal, Camille S. Burnet, Noemi Medoza Diaz

Conference: American Educational Research Association

Location: Philadelphia Marriot Downtown, Level 5, Salon A

Session Type: Paper

Session Title: Leadership Insights from BIPOC Principals

Paper Title: A Strom's Lighthouse: Learning from Black Principals' Experiences Navigating Emergency Responses

Authors: Kimberly Clarida, Michael Reid Jr.*

3:05 pm to 4.35 pm

Conference: American Educational Research Association

Location: Pennsylvania Convention Center, Second Floor, Exhibit Hall A

Session Type: Poster Session

Session Title: Exploration in Student Motivation, Self-Efficacy, and Educational Outcomes

Poster Title: Self-regulated Learning Predict Proportional Hazard of Postsecondary Students Changing STEM Majors.

Authors: Joseph Tise, Blaine Pedersen, Bede Agocha, Crystal Park, Michelle Williams, Paul Hernandez*

Conference: National Council on Measurement in Education 2024 Annual Meeting

Location: Convention Center, Floor first,125

Session Type: Paper

Session Title: Multistage Testing

Presentation Title: Mitigating Preknowledge Bias in Ability Estimates in Multistage Testing

Contributing Authors: Merve Sarac*, James Wollack

4.55 pm to 6.25 pm

Conference: National Council on Measurement in Education 2024 Annual Meeting

Location: Convention Center, First floor, 121B

Session Type: Coordinated Paper

Session Title: Is That a Mode Difference? Demystifying Mode Effect Detection and Adjustment Me

Session Organizer: Dongmei Li*

Presentation Title: Is that a Mode Difference? Demystifying Mode Effect Detection and Adjustment Methods

Contributing Authors: Dongmei Li*, Ann Arthur, Hongling Wang

April 14, Sunday

7.45 am to 9.15 am

Conference: American Educational Research Association
Location: Philadelphia Marriott Downtown, Level 4, Room 406
Session Type: Paper type
Session Title: Methods and Advancements in Mixture Modeling
Paper Title: Signals of Uncertainty and Misspecification in Latent Class Analysis
Authors: Zachary K. Collier*, Cao Yiqin, Joshua Sukumar*

Conference: American Educational Research Association
Location: Philadelphia Marriott Downtown, Level 4, Room 406
Session Type: Paper
Session Title: Methods and Advancements in Mixture Modeling
Paper Title: Classify With Caution: An Illustrative Example Using Mixture Models and Machine Learning
Authors: Marcus A Harris*, Betsy McCoach*

Conference: American Educational Research Association
Location: Pennsylvania Convention Center, Level 100, Room 103A
Session Type: Paper
Session Title: Faculty Experiences and Environment: A deeper Understanding
Paper Title: Boosting Scientific Community Values: The impact of Social Inclusion Interventions on Biomedical instructors.
Authors: Zoey Du, Rachelle Pedersen, Holly Miller, Hyewon Lee, Cristian Cervantes Aldana, Nichole Broderick, Jo Handelsman, Natalia Maldonado, Natalia Maldonado, Sarah Miller, Megan Patterson, Perla Sandoval, Mica Estrada, Paul Hernandez*

Conference: American Educational Research Association
Location: Philadelphia Marriott Downtown, Level 3, Room 301
Session Type: Paper
Session Title: Computer Science and Computational Thinking
Paper Title: The Impact of Research-Based Computational Thinking (CT) Professional Learning on Teachers' Practice Efficacy and Teaching
Author: Jiangmei May Yuan, Carla Brigandi, Karen Rambo-Hernandez*, Cathy Manley, Sarah Elizabeth Spencer

Conference: American Educational Research Association
Location: Philadelphia Marriott Downtown, Level 4, Room 402
Session type: Paper
Session Title: Advancing Complex Multilevel Modeling Through Simulation
Paper Title: Mixed Effects Location-Scale Models: Methodological and Substantive Considerations
Authors: Jennifer Richardson*

Conference: National Council on Measurement in Education 2024 Annual Meeting
Location: Convention Center, Floor First, 121C
Session Type: Paper
Session Title: Automated Scoring II

Session Chair: Merve Sarac*

9.35 am to 11.05am

Conference: American Educational Research Association

Location: Philadelphia Marriott Downtown, Level 5, Salon L

Session Type: Paper

Session Title: Educational Statisticians SIG Paper session

Paper Title: A systematic Review of Machine Learning for Propensity Score Estimation

Authors: Walter Leite, Hubin Zhang, Zachary K. Collier*, Kamal Chawla, Kinchen Kong, Yongseok Lee, Jia Quan, Olushola Soyoye

11.25 am to 12.55 pm

Conference: American Educational Research Association

Location: Pennsylvania Convention Center, Second Floor, Exhibit Hall B

Session Type: Roundtable sessions

Session Title: Measurement issues in Structural Modeling (Table 13)

Roundtable session Title: Detecting Multivariate Group Mean Differences: Comparing MANOVA and Structural Equation Modeling

Authors: Qiyue Zhang, Oiman Kwok, Paul Hernandez*

1.15 pm to 2.45 pm

Conference: American Educational Research Association

Location: Philadelphia Marriot Downtown, Level 4, Franklin 1

Session Type: Paper

Session Title: Asset-Based Approaches to Centering Race, Ethnicity, and Culture in Motivation Research

Paper Title: Promoting STEM Career Intentions Among Native Scholars: Role of Identity Harmony

Authors: Fanyi Yu, Ruyu Yan, Paul Hernandez*, Brittany Handerson, Kathy DeerInWater, Mica Estrada, Kanoho Hosoda, Natalia Maldonado, Tiffany Smith, Lilibeth Flores

Conference: American Educational Research Association

Location: Philadelphia Marriott Downtown, Level 4, Franklin 5

Session Type: Paper

Session Title: Diverse Populations and Psychosocial Skills

Paper Title: Talent Development in Rural Contexts: Predicting Reading from Primary School Achievement, Creativity and Motivation

Authors: Karen Rambo-Hernandez*, Maryann Hebda, Carla Brigandi, Jiangmei May Yang

3.05 pm to 4.05 pm

Conference: American Educational Research Association

Location: Philadelphia Marriott Downtown, Level 4, Room 401

Session Type: Paper

Session Title: Evaluation Research on Teachers, Students, Schools, and Programs

Paper Title: How are Youth Included in Evaluation Studies?

Authors: Bianca Montrosse-Moorhead*, Amanda Sutter*, Chisomo Phiri

Conference: American Educational Research Association

Location: Philadelphia Marriott Downtown, Level 4, Room 401

Session Type: Paper

Session Title: Advancing New Knowledge About the Causes and Consequences of Employee Turnover in K-12 Education Settings (Table 28)

Paper Title: How are Youth Included in Evaluation Studies?

Authors: Bianca Montrosse-Moorhead*, Amanda Sutter*, Chisomo Phiri