



## 2022 Conference

*"Cultivating Equitable Education Systems for  
the 21st Century"*

February 24-25, 2022

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## Welcome to the 2022 Annual Meeting of the North Carolina Association for Research in Education!

Dear Colleagues,

Thank you for joining us virtually for the 2022 North Carolina Association for Research in Education Annual Meeting and Conference. We are excited about our partnership with Whova, an award-winning event management system that is sure to elevate our experience.

Mirroring AERA, this year's theme is "*Cultivating Equitable Education Systems for the 21st Century*." We are facing critical times including but certainly not limited to- the continued effects of the COVID-19 pandemic, economic disruptions, and ongoing injustices against marginalized populations. NCARE believes in the liberating power of education and we know research helps fuel this work. We are excited to convene this year to discuss creating equitable educational opportunities for ALL P-20 students.

NCARE members include the best of the best. Together, we fulfill the mission of NCARE by working to improve the quality of education in North Carolina through research and evaluation. The program features numerous engaging and informative paper presentations, panels, workshops, and poster presentations. We are honored to have a keynote address from Dr. Bradley McMillen, the Assistant Superintendent for Data, Research, and Accountability for Wake County Public Schools. We believe his perspectives and experiences will help us think about our research.

Our annual meeting and conference would not be possible without the financial support of our sponsors: the Reich College of Education at Appalachian State University, the College of Education at North Carolina Agricultural & Technical State University, the School of Education at the University of North Carolina at Greensboro, the Stout School of Education at High Point University, and the Department of Educational Leadership at UNC Charlotte. Thank you for sponsoring this year's conference. We remain grateful for the continued support of our members. Your active membership and engagement in our work make this conference possible.

We are excited to continue our conference awards. The Outstanding Student Poster Award will be announced during our closing session. Following the conference, the two paper award applications will open for submissions: *Marvin Wyne Outstanding Student Paper Award* and the *Distinguished Paper Award*. The winner of the distinguished paper award will earn a slot to present their paper at the 2023 AERA annual meeting. Thank you to the *Journal of Applied Educational and Policy Research* for your continued partnership.

Finally, to our Conference Chair, Dr. Monica Allen: your leadership, vision, delegation, and organization are unmatched! Thank you to everyone who had a hand in helping plan this conference. To the NCARE Board of Directors, thank you for your ongoing support. Thank you, David Lynn and Dr. Stella Kim, for volunteering to be our Whova platform champions. You rock!

With gratitude,  
Tempestt Adams, Ph.D.  
NCARE President

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## **2022 Conference Committee and Volunteers**

### **PROGRAM CHAIR**

Monica Allen, NC A&T State University

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Tarra Ellis, Wingate

Judy Penny (Guilford County Schools, Ret.)

David Lynn, UNC Charlotte

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Monica Allen, NC A&T State University

Amy Holcombe, High Point University

Gwynne Shoaf, Appalachian State University

Judy Penny, Guilford County Schools (Ret.)

## Research Conference Program At-A-Glance

### Thursday, February 24, 2022

1:00pm - 1:30pm	Welcome & Business Meeting
1:30pm - 2:30pm	Concurrent Session I (Workshops)
2:45pm - 3:45pm	Concurrent Session II (Panel & Poster Sessions)
3:45pm - 4:45pm	Concurrent Session III (Panels)

### Friday, February 25, 2022

9:00am - 10:00am	Welcome & Keynote
10:00am - 11:00am	Concurrent Session I (Paper Sessions)
11:15am - 12:15pm	Concurrent Session II (Paper & Panel Sessions)
12:15pm - 1:00pm	Lunch Break
1:00pm - 2:00pm	Concurrent Session III (Short Paper Sessions)
2:00pm - 3:00pm	Concurrent Session IV (Short Paper & Paper Sessions)
3:15pm - 4:15pm	Concurrent Session V (Poster & Short Paper Sessions)
4:15pm - 4:45pm	Closing Session

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**Use #NCARE2022 for all your conference related posts!**

## Full Research Conference Schedule

**THURSDAY, FEBRUARY 24, 2022**  
**Virtual Conference via WHOVA**

### Opening Session (1:00pm-1:30pm)

***President's Welcome***

Dr. Tempestt Adams, Appalachian State University

***Sponsor Welcome***

Dr. Terry McClannon, Associate Dean, College of Education, Appalachian State University

***Financial/Membership Report***

Dr. Judy Penny, Guildford County Schools (Ret.)

***Installation of Officers***

Dr. Tempestt Adams, Appalachian State University

***Conference Navigation Reminders***

Dr. Monica Allen, NC A&T State University

Dr. Stella Kim, UNC Charlotte

Mr. David Lynn, UNC Charlotte

### Concurrent Session I (1:30pm-2:30pm)

Workshop Session A Facilitator: Monica Allen	Workshop Session B Facilitator: Tempestt Adams
<p style="text-align: center;"><b><i>Facilitating Expert Learners: Using Universal Design for Learning (UDL) in K-20 Classrooms</i></b></p> <p style="text-align: center;">Monica Allen, NC A&amp;T State University Kiran Budhrani, UNC Charlotte</p>	<p style="text-align: center;"><b><i>Arts-Based Research for All: Demystifying the Practice and Process</i></b></p> <p style="text-align: center;">Tempestt Adams, Theresa Redmond, Jennifer Luetkemeyer, Jewel Davis Appalachian State University</p>

### *Break (2:30pm-2:45pm)*

### Concurrent Session II (2:45pm-3:45pm)

Poster Session A Facilitators: Jason Geirsch & Stella Kim	Panel Session B Facilitator: Tarra Ellis
<p style="text-align: center;"><b><i>An Exploration of Perceptions Held by Black Male Students: Joining Black Greek-lettered Fraternities at a Predominantly White Institution in the 21st Century</i></b></p> <p style="text-align: center;">Michael Boykin, Monica Allen NC A&amp;T State University</p>	<p style="text-align: center;"><b><i>Culturally Responsive Education: Representation, Relationship, Relevance and Rigor</i></b></p> <p style="text-align: center;">Tarra Ellis, Melanie Keel, Antonio Jefferson, Charlesa Hann Wingate University</p>

<p><b><i>URM Doctoral Biomedical Student's Perceived Impact of Culture and Climate on Their Desire to Pursue Faculty Positions</i></b>  Ashton Murray &amp; Monica Allen  NC A&amp;T State University</p>	
<p><b><i>High Impact Tutoring Best Practices Enacted within a University-School System Partnership Framework</i></b>  Tyreeka Williams, Thomas Coleman, Paula Price  NC A&amp;T State University  Faith Freeman, Guilford County Schools</p>	
<p><b><i>Racial Equity-Focused Professional Development and Teacher-Written Curricula: Using Survey and Interview Data to Explore Teacher Efficacy</i></b>  Sonia Birla, Scott Gartlan  UNC Charlotte</p>	
<p><b><i>Raising the Standard: Using Procedural Justice to Improve School Disciplinary Policies</i></b>  Jesse Bulluck, Texas Tech University</p>	

**Concurrent Session III (3:45pm-4:45pm)**

<p><b>Panel Session A</b>  Facilitator: Tempestt Adams</p>	<p><b>Panel Session B</b>  Facilitator: Judy Penny</p>
<p><b><i>Understanding Engagement of Vertical Transfer Student: Experiences from North Carolina</i></b>  Carmen Serrata, Yi Wang, Lauren Slane, Paul Holliday-Millard, Courtney Green  UNC Charlotte</p>	<p><b><i>NC's Road to Recovery for Public Schools: Research to Inform Comprehensive K-12 Planning, Strategic Investments, and Charting a Path Forward</i></b>  Jeni Corn, Michael Maher, NC Department of Public Instruction  Sarah Fuller, UNC Chapel Hill  Andy MacCracken, NC Pandemic Recovery Office</p>

*We would love your feedback!*  
*Please fill out the post-conference survey sent via email. It can also be found on the NCARE website.*

**FRIDAY, FEBRUARY 25, 2022**  
**Virtual Conference via WHOVA**

**Opening Session (9:00am-10:00am)**

***President's Welcome***

Dr. Tempestt Adams, Appalachian State University

***Sponsor Welcome***

Dr. Randy Penfield, Dean of the School of Education, UNCG

Dr. Sydney D. Richardson, Chair of Leadership Studies & Adult Education, North Carolina A&T State University

***Keynote Address***

*Introduction by Dr. Judy Penny, Guilford County Schools (Ret.)*

Dr. Brad McMillen - Asst Superintendent for Data, Research, & Accountability for Wake County Schools

***2021 Conference Awards***

Dr. Jason Giersch, UNC Charlotte

**NCARE 2021 Distinguished Paper Award**

Dr. Stephanie Norander & Dr. Leslie Zenk, UNC Charlotte

Their paper was titled, "*The Invisible Labor for Emerging Women Leaders: A Critical Analysis of Literature in Higher Education.*" The paper will be presented during the SRERA session at the 2022 AERA Annual Meeting.

**NCARE 2021 Marvin Wyne Outstanding Student Paper Award**

Elife Ceviker, Ohio University & Tuba Gezer, UNC Charlotte

Their paper was titled, "*Did Digital Divide Exacerbate Inequality in Education during COVID-19? Teachers' Perspective of Online Teaching.*"

**NCARE 2021 Outstanding Student 3MT**

"*Protect Black Women [Teachers]: An Autoethnography Exploring the Turnover of a Passionate Black Woman Teacher*" by Shanique Lee, UNC Charlotte

***Congratulations!***

***Conference Navigation Reminders***

Dr. Monica Allen, NC A&T State University

Dr. Stella Kim, UNC Charlotte

Mr. David Lynn, UNC Charlotte



**Concurrent Session I (10:00am-11:00am)**

<b>Paper Session A</b> Facilitator: Tarra Ellis	<b>Paper Session B</b> Facilitator: Judy Penny
<p><b><i>Preservice Teachers' Understandings of Culturally Responsive Teaching: A Multi-Case of Clinical Experiences</i></b> Leslie Schmidt, UNC Charlotte</p>	<p><b><i>Theory to Practice: Psychometric Properties of a Common Statistics Exam</i></b> Tuba Gezer, Dave Frantzreb UNC Charlotte</p>
<p><b><i>In Solidarity Against Systemic Oppression: Mexican-origin College Students' Minority Linked Fate in the Nuevo South</i></b> Delma Ramos, UNC Greensboro Elsa Camargo, The University of Texas at Arlington Cathryn Bennett, Destiny Talley, Terry Chavis UNC Greensboro</p>	<p><b><i>Examining Interrater Reliability Among Early Childhood Educators</i></b> Bryndle Bottoms, Richard Lambert, T. Scott Holcomb UNC Charlotte</p>
<p><b><i>Exploring the Heart and Soul of Historically Black Colleges and Universities Leadership: A Voice from Within</i></b> Ulisa Bowles, Comfort Okpala NC A&amp;T State University</p>	<p><b><i>Comparing Schools of Choice and Traditional Public Schools in North Carolina</i></b> Theodore Kaniuka Fayetteville State University</p>
<p><b><i>Using Federal Data Sources to Create a Metric for Identifying Rural-Serving Postsecondary Institutions</i></b> Andrew Koricich, Appalachian State University Alisa Fryar, University of Oklahoma Kevin McClure, UNC Wilmington</p>	<p><b><i>Teacher Stress During the COVID-19 Pandemic: An Examination of North Carolina Early Childhood Educators</i></b> T. Scott Holcomb, Richard Lambert, Bryndle Bottoms UNC Charlotte</p>

*Break (11:00am-11:15am)*

**Concurrent Session II (11:15am-12:15pm)**

<b>Paper Session A</b> Facilitator: Thakur Karkee	<b>Panel Session B</b> Facilitator: Gwynne Shoaf
<p><b><i>Singapore-Inspired Mathematics Teaching Effective in Raising Student Performance</i></b> Adrienne Smith, Rebecca Zulli Lowe Cynosure Consulting</p>	<p><b><i>Providing Space: Using Video for Reflective Practice and Coaching</i></b> Gwynne Shoaf, Rachel Nelson, Tyler Tobin, Catherine Graham Appalachian State University</p>
<p><b><i>Testing an Informal, Yet Intentional Approach for Developing Middle School STEM Teacher Efficacy in Rural Settings</i></b> Adrienne Smith, Rebecca Zulli Lowe, Cynosure Consulting</p>	

*Lunch Break (12:15pm-1:00pm)*

**Concurrent Session III (1:00pm-2:00pm)**

<b>Short Paper Session A</b> Facilitator: Gwynne Shoaf	<b>Short Paper Session B</b> Facilitator: Judy Penny
<p align="center"><b><i>The Effectiveness of an AP Computer Science Teacher Training Program in Rural Appalachia</i></b> Jennifer McGee, Appalachian State University</p>	<p align="center"><b><i>Identifying Future Student “Success” in Advanced Placement Courses to Diversify Course Enrollment: A Practical Application</i></b> Justin Long, Austin Cavanaugh, Shureka Hargrove Winston-Salem/Forsyth County</p>
<p align="center"><b><i>An Exploration of Evidence Based Approaches to Trauma-Informed Teaching in Postsecondary Education</i></b> R. Jason Lynch, Krista Wojdak Appalachian State University</p>	<p align="center"><b><i>An Evaluation of WS/FCS’ Response to Navigating Student Engagement during the COVID-19 Pandemic</i></b> Shureka Hargrove, Justin Long, Austin Cavanaugh Winston-Salem/Forsyth County</p>
<p align="center"><b><i>Learning to Teach in Troubling Times: Experiencing edTPA and First-year Teaching During a Global Pandemic</i></b> Rachel Nelson, Appalachian State University</p>	<p align="center"><b><i>Navigating an Instructional Path between a Complete Curriculum and Anti-CRT Laws</i></b> Jason Giersch, UNC Charlotte</p>
<p align="center"><b><i>Creating Community Amid a COVID Crisis: How Doctoral Students Can Collaborate and Support Scholarly Activity via Online Writing Groups</i></b> Erin West, Appalachian State University</p>	

**Concurrent Session IV (2:00pm-3:00pm)**

<b>Short Paper Session A</b> Facilitator: Tempestt Adams	<b>Paper Session B</b> Facilitator: Monica Allen
<p align="center"><b><i>Where are All of the Black Women: The Underrepresentation of Black Women in Division I Intercollegiate Athletic Leadership</i></b> Cynthia Stone, UNC Charlotte</p>	<p align="center"><b><i>Preparing Culturally Sustainable School Leaders to Close the Achievement Gap for Black Students from Marginalized Communities</i></b> Sharon Lassiter, Monica Allen NC A&amp;T State University</p>
<p align="center"><b><i>Exploring Equity in UNC Transfer Environment, Enrollment, and Outcomes</i></b> Sandra Dika, Marah Lambert, Leonardo Herrera UNC Charlotte</p>	<p align="center"><b><i>Racial Equity in Seminars and Curriculum: Teacher Interviews Six Months After Professional Development Seminars</i></b> Jaden Schutt, Scott Gartlan UNC Charlotte</p>

<p><b><i>Cultural Artifacts: Exploring Cultural Identity in a Cultural Exchange</i></b>  Kellee Watkins, NC A&amp;T State University  Adrienne Stuckey, Pam Buskey, Carrie Rogers  Western Carolina University  Kimberly Bunch-Crump, Karlin Burks  NC A&amp;T State University</p>	<p><b><i>Defining the Essential Elements in Designing Equity-focused Data Science Explorations</i></b>  Rebecca Zulli Lowe, Adrienne Smith  Cynosure Consulting  Ravanasamudram Uma, Alade Tokuta  North Carolina Central University</p>
<p><b><i>Examining Implementation Fidelity with the North Carolina Early Learning Inventory</i></b>  Kristin Villanueva, UNC Charlotte</p>	<p><b><i>Centering the Voices of Black Alternative Licensed Teachers: A Critical Policy Analysis of the Alternative License Pathway in NC</i></b>  A. Nicole Moore, East Carolina University</p>

*Break (3:00pm-3:15pm)*

**Concurrent Session V (3:15pm-4:15pm)**

<p><b>Poster Session</b>  Facilitators: Bo Motley</p>
<p><b><i>K-12 Online Teaching and Learning: A Systematic Review of Research from 2000 to 2019</i></b>  Julie Bacak, Florence Martin  UNC Charlotte</p>
<p><b><i>Using Action Research to Develop a Professional Development and Coaching Package for Educators within Inclusive Reading Instruction</i></b>  Tuba Gezer, UNC Charlotte</p>
<p><b><i>Understanding How North Carolina Kindergarten Teachers Make Sense of Formative Assessment: A Grounded Theory Study</i></b>  Hannah Luce, UNC Charlotte</p>
<p><b><i>Enacting High Impact Tutoring at Scale- A Strategic Partnership Model</i></b>  Faith Freeman, Guilford County Schools  Thomas Coleman, Tyreeka Williams  NC A&amp;T State University</p>
<p><b><i>The Limitations of GLP (Grade Level Proficiency) and CCR (College and Career Readiness) in Assessing Impact on Student Learning</i></b>  Justin Long, Austin Cavanaugh, Shureka Hargrove  Winston-Salem/Forsyth County</p>
<p><b><i>Changes in Differential Item Functioning of TIMSS 1995 and TIMSS 2015 Using an IRT-based DIF Detection Method</i></b>  Seongeun Kim, Haeju Lee, Malitsito Moteane, Kyle Killworth, Nate Smith  UNC Greensboro</p>

## **Closing Session (4:15pm-4:45pm)**

### ***Sponsor Closing***

Dr. Amy Holcombe, Dean, High Point University, Stout School of Education

### ***Poster Awards***

Dr. Jason Giersch, UNC Charlotte

Dr. Stella Kim, UNC Charlotte

### ***Raffle Drawings***

Dr. Judy Penny, Guilford County Schools (Ret.)

### ***Conference Closing***

Dr. Monica Allen

## 2022 Award Opportunities

***NCARE Distinguished Paper Award & Marvin Wyne Outstanding Student Paper Award – submit by April 14, 2022!***

Please consider submitting your paper for either the Distinguished Paper Award or the Marvin Wyne Outstanding Student Paper Award. The winner of the Distinguished Paper Award will earn a slot to present his or her paper at the 2023 AERA meeting and will receive \$1000 toward travel to the AERA meeting. The winner of the Marvin Wyne Outstanding Student Paper Award will receive a \$200 award.

Guidelines for both awards:

- The paper must have been presented at the 2022 annual meeting but not previously presented or published elsewhere.
- Authors must be NCARE members at the time of the 2022 annual meeting.
- Papers representing various forms and genres of research (including conceptual papers) are welcome.
- The paper submitted for consideration must be no longer than the equivalent of 30 double-spaced pages with standard APA margins and 10- to 12- point type. The 30-page limit includes all tables, appendices, charts, graphs, references and other ancillaries to the text. The name, address, and phone number of the first author should appear on the cover page, which will be removed for review. No author identifying references should appear elsewhere. A 250-word abstract should be included with the paper.

Students are eligible for the Marvin Wyne Outstanding Student Paper Award or for the Distinguished Paper Award but may not apply for both simultaneously. For consideration for the Marvin Wyne Outstanding Student Paper Award, the paper must **include only student authors**.

The submission deadline for both awards is April 14, 2022 at 11:59PM. Papers may be submitted electronically [ncareboard@gmail.com](mailto:ncareboard@gmail.com).

## **Call for Papers and Volunteers: NCARE Proceedings Issue of Journal of Applied Educational and Policy Research (JAEPR)**

NCARE has partnered with the Center for Educational Measurement and Evaluation (CEME) at the University of North Carolina at Charlotte to publish a special issue research presented at the NCARE annual conference in the Journal of Applied Educational and Policy Research (JAEPR).

JAEPR is an open access, peer reviewed online journal published by the CEME. The journal focuses on issues of importance to educational policy makers. Please visit the online site for the journal for more information: <http://journals.uncc.edu/jaepr>.

NCARE members are invited to submit manuscripts for consideration and to serve as peer reviewers. To be considered for inclusion in this special issue of JAEPR, manuscripts must be submitted online by **June 30, 2022**.

For information regarding types of submissions and how to apply online, please see the “About” tab at: <http://journals.uncc.edu/jaepr>.

Papers presented at the NCARE Annual Meeting will undergo peer review and are not guaranteed inclusion in the issue.

To volunteer as a peer reviewer, please contact the journal Editor, Dr. Richard G. Lambert, at [rglamber@uncc.edu](mailto:rglamber@uncc.edu).

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### **Mark your calendars:**

- Paper Award submissions due April 14, 2022
- Membership renewal reminders will go out August 2022
- Call for proposals for 2023 Conference Opens September-October 2022
- Nominations for board members opens December 15, 2022
- 2023 Conference TBA

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