

FERA 2024

Program Agenda

Wednesday, November 20

8:00 AM - 5:00 PM

FERA Registration & Check-In

FERA Registration & Check-In

Grand Foyer

Attendees and volunteers check in at the FERA Registration desk to receive badges and conference program materials.

10:00 AM - 12:00 PM

Applications of Natural Language Processing for Classification of Classroom Observations

This professional development workshop will introduce education researchers to applications of Natural Language Processing in educational research.

Expedition Room

This professional development workshop will introduce education researchers to applications of Natural Language Processing in educational research. The course will include examples of artificial intelligence (AI) for sentiment analysis and text classification of teacher observations. Data ethics and the responsible use of AI will also be addressed. The course is intended for those with at least some programming and statistics background. A laptop and a Google Colab account (free tier) are required for full participation. This course aims to introduce core tools and concepts in natural language processing and familiarize participants with potential use cases via examples in educational settings.

Krista Bixler
Maureen Ungarean
Ms. Vega
Elizabeth Weatherford

12:15 PM - 2:15 PM

Day 1 - Lunch on Your Own

The Wyndham has a restaurant in the hotel, but nearby Downtown Disney has additional offerings.

On Day 1, attendees are free to lunch on their own. The hotel has several options.

2:00 PM - 3:00 PM

Presidential Welcome & Invited Keynote Speaker

Invited Keynote, "Turning Creativity Research into Education Practice" by Paul Sowden, Ph.D.

& Welcome Address from FERA President by Anthony W. Raborn, Ph.D.

Journey

While creativity has traditionally been linked to arts education, the importance of developing the ability to think creatively in all areas of the school curriculum has grown in prominence (James et al., 2019), reflected by its inclusion in OECD PISA 2022 for the first time (OECD, 2024). Creativity enables learners to thrive in a rapidly evolving workplace with increasing AI integration, where the ability to solve new problems with effective solutions is emphasized by employers (WEF, 2023). I will discuss our work on large-scale education initiatives to foster creative thinking and the underpinning of research. A particular focus will be on our Creativity Navigator framework of teaching for creativity (TfC), which integrates creative metacognition, cognitive processes, dispositional models, and creative climate research. The framework was co-developed and implemented through a three-year Creativity Collaborative involving 16 schools, using a multilayered approach addressing context, leadership, knowledge, agency, and pedagogies needed to embed and sustain TfC. Mixed-methods evaluation findings to date suggest that our approach benefits TfC in schools.

#fera_keynote

3:00 PM - 5:00 PM

Day 1 Afternoon Coffee & Tea Break -
Sponsored by the Florida Gulf Coast
University College of Education

Snacks and beverages are located in the
Grand Foyer.

Grand Foyer

Freshly brewed regular and decaf coffee
as well as tea. An assortment of Pepsi
products will also be provided.

FERA Snack Break

3:15 PM - 4:30 PM

Academic Connections Through Cross-
Cultural Scholarly Inquiry Projects

Paper Session 1

Voyage

Debra Giambo
Wellsley Hoopes
Emily Longstreet
Alyssa Sosa

#ferapapers

An Investigation of Calculus Teachers'
Knowledge of Epistemological Obstacles
Related to the Concept of Limits

Paper Session 1

Voyage

Shemail Fatima

#ferapapers

Applications of Artificial Intelligence in
Middle School Education (AAIMSE):
Professional Development Design and
Facilitation

Paper Session 2

Expedition

Authorship Order: Loraine Cisternas,
Priyadharshini Ganapathy, Christine
Wusylko, Xiaoman Wang, Bridget Newell,
Kevin Cen, Angela Kohnen, Albert
Ritzhaupt, Anthony Botelho

Anthoney Botelho
Kevin Cen
Loraine Cisternas
Priya Ganapathy Prasad
Angela Kohnen
Bridget Newell
Albert D. Ritzhaupt
Xiaoman Wang
Christine Wusylko

#ferapapers

Developing Social Skills in Neurodivergent
Students to Improve

Paper Session 1

Voyage

David Allen
Donna Buckner
Bruce Darby
Victoria Lew

#ferapapers

Exploring How Young People Evaluate
Climate Change (Mis)Information on
Social Media

Paper Session 2

Expedition

Pavlo (Pasha) Antonenko

Kara Dawson

Do Hyong (Ryan) Koh

Angela Kohnen

Christine Wusylko

#ferapapers

Observing Self-Efficacy in Gross Anatomy
Via Eye Tracking

Paper Session 2

Expedition

Nancy Adams

Do Hyong (Ryan) Koh

Kyle Rarey

#ferapapers

The Use of Video in Reflective Practice

Paper Session 2

Expedition

Glenda Gunter

Mary Soliman

#ferapapers

Using Timed-Writing Strategies and a
University Faculty Writing Partnership to
Improve Graduate Level Writing Skills

Paper Session 1

Voyage

#ferapapers

4:15 PM - 4:45 PM

Refreshments Reminder

Friendly reminder that coffee, tea, and Pepsi beverages are available in the foyer.

FERA Snack Break

4:45 PM - 5:45 PM

INVITED PANEL DISCUSSION - FLORIDA DEPARTMENT OF EDUCATION

The Issues around Large-Scale
Assessments

Journey

This panel will focus on the topics around large scale assessment, including where the educational testing is headed and the associated challenges, and the issues with varying levels of rigorousness of cut scores in K-2 assessments.

Discussants: Mark Reckase, Marianne Perie, Cornelia Orr

Moderator: Vince Verges, Florida Department of Education

Cornelia Orr
Marianne Perie
Mark Reckase
Vince Verges

#fera_invited

6:15 PM - 8:00 PM

Day 1 Evening Reception - Sponsored by Education Analytics & Vector Psychometric Group, LLC.

Join us outside in the Pool Deck area for light refreshments. A cash bar for spirits, wine, and beer will be available as well.

Pool Area

#ferasocial, FERA Snack Break

Thursday, November 21

8:00 AM - 10:00 AM

Day 2 - Morning Coffee & Tea Break -
Sponsored by University of Florida (UF)
College of Education

Morning coffee, tea, and breakfast options
will be provided in the Grand Foyer.

Grand Foyer

While coffee, tea, and Pepsi products may
be available for longer, fruit yogurt parfait,
housemade granola and berries, assorted
scones w/preserves, and bagels w/cream
cheese are available until 9:30 am or until
supplies run out.

FERA Snack Break

8:00 AM - 5:00 PM

FERA Registration & Check-In

FERA Registration & Check-In

Grand Foyer

Attendees and volunteers check in at the
FERA Registration desk to receive badges
and conference program materials.

8:25 AM - 9:30 AM

Academic Teaching Librarian Reflections
on Self-Report Burnout and Job Control
Scores

Graduate Student Poster Session

Grand Foyer

Matthew Johnson

#feragrads

Dual-Enrollment Students May Be Credits Ahead but at What Costs? A Systematic Literature Review

Graduate Student Poster Session

Grand Foyer

Tracy Harbin

#feragrads

First Years Teaching First Years: Medical Student Perspectives of the Benefits and Challenges of Participating in A Peer Taught Gross Anatomy Course.

Graduate Student Poster Session

Grand Foyer

Alyson Adams

Ivy Dunn

Kyle Rarey

Ashley Walker

#feragrads

Gender Stereotypes in English Textbooks: Implications for Teaching Practice

Graduate Student Poster Session

Grand Foyer

Taciana Rosa Melo

#feragrads

Impact of Kindergarten Instructional Assistants on Student Reading Achievement

Graduate Student Poster Session
Grand Foyer

Authors: Andrea Smith, Daniel Dinsmore, Rebeca Arndt, and Peggy Jones

Rebecca Arndt
Peggy Jones
Daniel L. Dinsmore
Andrea Smith

#feragrads

Literature Review: Student Engagement in Online Learning Environments

Graduate Student Poster Session
Grand Foyer

Jonathan Berkenfield

#feragrads

Teach Me Like an Adult: Andragogical Process Design Elements Within Community College First-Year Experience Programming

Graduate Student Poster Session
Grand Foyer

Daniel Donovan

#feragrads

The Impact of Simulation on
Undergraduate Nursing Student's
Satisfaction and Self-Confidence
Graduate Student Poster Session
Grand Foyer

Susanna Albright

#feragrads

The Lexical Bundles and Discourse
Markers Between Bilingual and
Monolingual Teachers' Talk: A Corpus-
Based Study

Graduate Student Poster Session
Grand Foyer

Yarui Chen

#feragrads

The Moderating Effect of Socioeconomic
Status, on the Relation Between Adverse
Childhood Experiences and Mental Health
Outcomes for Black Individuals In the US

Graduate Student Poster Session
Grand Foyer

Courtney Harold
Rasheda Haughbrook

#feragrads

Understanding Wealth Identity Among
Black College-Educated Millennials

Graduate Student Poster Session
Grand Foyer

Steven Williams II

#feragrads

8:30 AM - 10:00 AM

A Content Analysis: Exploring State
Elementary Writing Evaluation Rubrics for
the Six Traits of Writing

Paper Session 3

Voyage

Sherron Killingsworth Roberts, Ed.D
Earlisha Whitfield

#ferapapers

Cognitive Diagnosis of College Student
Performance on Chemistry Via Item
Analysis and Data Visualization

Paper Session 4

Expedition

Sherrisse Bryant
Yi-Hsin Chen
Kristine Hogarty
Christian Tang

#ferapapers

Fisher's Linear Discriminant Function vs.
Logistic Regression: An Argument for
Separate Group Accuracies and Validation

Paper Session 4

Expedition

Mary Lieberman
John (Dan) Morris
María Vasquez-Colina

#ferapapers

Generalized Diagnostic Classification
Modeling for Different Item Response and
Item Omission Mechanisms

Paper Session 4

Expedition

Xin Qiao

#ferapapers

Mastery Detection of Multiple Attributes in
Computerized Adaptive Learning
Assessments

Paper Session 4

Expedition

Sangbeak Ye

#ferapapers

Pre-Service Teachers' Appraisals of
Creative Thinking: A Mixed Methods Study
with Implications for Formative
Assessment to Promote Creativity
Development

Paper Session 3

Voyage

Megan L. Atha

Angela Orvis

#ferapapers

SYMPOSIUM: Applications of Artificial Intelligence (AI) in Middle School Education: Voices of Middle School Teachers on Integrating AI in the Classroom

Teacher Inquiry Session 1

Journey

Authorship & Affiliation: Lisa Fabulich, Brenda Breil, Damien Boada, Megan Miller, and Sara Montgomery

P.K. Yonge Developmental Research School: Angela Kohnen, Anthony Botelho, Christine Wusylko, Priya Ganapathy Prasad, Bridget Newell, Loraine Cisternas, and Albert D. Ritzhaupt (Session Organizer and Facilitator)

Western Michigan: Xiaoman Wang

#fera_teacher_inquiry

Teachers' Perceptions of "Good Teaching" with Literature

Paper Session 3

Voyage

Geoffrey Kellogg

#ferapapers

The Role of Power in the Interactions of Preservice Teachers in An Elementary Mathematics Methods Course

Paper Session 3

Voyage

Maria Fernandez
Kadisha Mills

#ferapapers

10:15 AM - 11:15 AM

Invited Sponsor Presentation - Gallup

Engagement in Action: Pasco's Approach to Thriving Educators

Journey

#fera_invited

11:30 AM - 1:00 PM

Graduate Student Luncheon with Invited Speaker Dr. Lorien S. Jordan

Registered graduate students are provided a buffet-style luncheon with invited speaker Dr. Lorien Jordan's talk, "Harnessing Criticality and Creativity: Re/envisioning Inquiry Across Paradigms."

Voyage

We live in an era that demands innovative solutions to complex educational challenges, so why do we still marginalize critical theory and creative methods in favor of "traditional" approaches? In this keynote, I challenge the hierarchical positioning of critical/creative research as niche, and secondary to "conventional methods." Drawing from my own research journey and those of my students, I demonstrate how integrating critical theory, arts-based, and playful methods not only disrupts outdated hierarchies but also cultivates inclusive, dynamic research environments. In this talk, I invite emerging researchers to think about how they might fit in a research ecosystem where criticality and creativity are essential, accessible tools for all researchers (yes, even you), regardless of paradigm.

#fera_invited, #feragrads

Teacher Inquiry Luncheon & Networking Event

Luncheon for members involved in the Teacher Inquiry strand of the FERA Program.

Journey

We invite members involved in the Teacher Inquiry strand of the program to a buffet-style luncheon to network and learn about this year's recipient of the Distinguished Teacher Inquiry Paper Award. Members are encouraged to socialize and network with each other.

#fera_teacher_inquiry

1:00 PM - 2:30 PM

Calculating Academic Return on Investment in K-12 Education

Paper Session 6

Expedition

April Fleetwood

Lodi Lipien

Arielle Thibodeau

Krsitopher Wolford

#ferapapers

Differentiated Instruction: Impact on Tier 3 Students' Achievement

Teacher Inquiry Session 2

Journey

Amarah Johnson

#fera_teacher_inquiry

Enhancing Engagement and Retention:
The Impact of Diversity in Examples, Case
Studies, and Reading

Teacher Inquiry Session 2

Journey

Macie Barrett

#fera_teacher_inquiry

Fairness In Quantitative Measures Used in
Educational Effectiveness Research
Studies

Paper Session 6

Expedition

Grey L. Chapin

Balaji D. Iyer

Raegan M. DiRenzo

Corinne Huggins-Manley

Madeline P. Browy

Amanda Siu

#ferapapers

Multi-Track Year-Round Schooling: Effects
on Academic Achievement and Summer
Learning Loss

Paper Session 5

Voyage

Kelsea Coe

#ferapapers

Predictive Analytics Using the Ed-Fi Data Standard

Paper Session 6

Expedition

Julie McLeod
Hayley Tymeson

#ferapapers

Results of A District-Wide Accelerated Math Program

Paper Session 5

Voyage

Debbie Hahs-Vaughan
Samira Jahangiri
Peggy Jones
Bonnie Swan

#ferapapers

The Effects of End-of Course Exams on Teachers' Experiences

Paper Session 5

Voyage

Jatviel Infanzon

#ferapapers

The Use of "Wise Interventions" to Increase Teacher Buy-In

Teacher Inquiry Session 2

Journey

Tamara Cook
Ana Simzer

#fera_teacher_inquiry

Undergraduate Students Academic
Performance: A Systematic Review of the
Literature on Hispanic Students' Academic
Achievement at Hispanic-Serving
Institutions

Paper Session 6

Expedition

Sofia Blanco
Abigail Sinu
Maria Vasquez-Colina

#ferapapers

2:30 PM - 3:30 PM

Invited Panel Discussion: Mentorship in
Action Research

Panelists: Caitlyn Byrne (FSC), Blake
Beckett (UF), and Christopher Clevenger
(FAU)

Moderator: Michelle Vaughan (FAU)

Journey

The importance of teachers serving as researchers is well-documented, and identifying and implementing the necessary supports for teachers in developing a research component of their teacher identity is critical. These supports can take a variety of forms, including action research courses, professional learning communities, and peer mentorship. This panel discussion will explore what mentorship looks like in action research from different perspectives and in different contexts. Panelists will discuss their experience with action research mentorship and share best practices.

#fera_invited, #fera_teacher_inquiry

3:00 PM - 5:00 PM

Day 2 - Afternoon Coffee & Tea Break -
Sponsored by C. Huggins-Manley, M.
Atha, and R. Dedrick

Beverage refreshments are provided
between sessions.

Grand Foyer

FERA Snack Break

3:45 PM - 4:45 PM

Measuring Growth in a FAST World

Invited Sponsor Session

Voyage

Michael Christian

#ferasponsors

3:45 PM - 5:15 PM

Assessing Students' Perceived Enjoyment
and Value of Learning in a Geometry
Course

Teacher Inquiry Session 3

Journey

Mario Toussaint

#fera_teacher_inquiry

Assessing the Effectiveness of Training
Modalities on Peer-instructors
Preparedness Within a Cross-Age
Scientific Curricular Experience Program
Model

Teacher Inquiry Session 3

Journey

Gabriella Boehm

Sophia Hernandez-Bueso

Tricia Meredith

Katherine Hendrickson

#fera_teacher_inquiry

Equity In STEM Pathways: Machine Learning for Predicting Underrepresented Students' STEM Major Choices

Paper Session 7 - TBD (Author requested online presentation, which may not be possible).

Expedition

Gozde Sirganci

#ferapapers

Implementation of Book Clubs and its Effects on Student Motivation”

Teacher Inquiry Session 3

Journey

Danielle Kline

#fera_teacher_inquiry

Investigating the Benefits of Creative Expression in an After-school Club on Adolescent Stress and Sense of Belonging

Teacher Inquiry Session 3

Journey

Lindsey Wuest

#fera_teacher_inquiry

Latent Dirichlet Allocation for Meta-Assessment: An Approach for Higher Education

Paper Session 7

Expedition

Lisette Tolentino

#ferapapers

The Role of Log Data in Validity and Reliability: A Review

Paper Session 7

Expedition

Gregg Campbell
Hailey Kuang

#ferapapers

5:15 PM - 6:15 PM

Keynote: Unmasking and Recalibrating Hunches in the Classroom : Mixed Methods Research for Educational Empowerment

Dr. Jen Katz-Buonincontro discusses the increasingly important role of mixed methods in educational research.

Journey

#fera_keynote

6:15 PM - 8:30 PM

Day 2 - Evening Reception - Sponsored by Cambium Assessment & Florida Southern College School of Education

Join us outside in the Pool Deck area for light refreshments. A cash bar will also be available for spirits, wine, and beer.

Pool Area

#ferasocial, FERA Snack Break

Friday, November 22

7:55 AM - 12:00 PM

Morning Coffee & Tea Break - Sponsored
by M. Vazquez-Colina & A. Raborn

Refreshments are provided between
sessions. Starting at 8:30 am, seasonal
fruit, berries, fresh pastries, muffins,
croissants, granola, and nuts will be
sliced.

Grand Foyer

FERA Snack Break

8:00 AM - 9:45 AM

A Speed and Accuracy Mixture Model for
Oral Reading Fluency Assessment

Paper Session 9

Expedition

Paul Foster
Akihito Kamata
Yusuf Kara

#ferapapers

Building Community and Campus
Engagement Through Participation in A
Summer Bridge Program

Roundtable Session

Journey

Emily Leyava

#ferarounds

Cultivating STEM Curiosity Collaborative
Lesson Planning Professional
Development

Roundtable Session

Journey

Heather Kent
Kathryn Stofer

#ferarounds

Detecting Differential Passage Functioning
in Oral Reading Fluency Assessments

Paper Session 9

Expedition

Akihito Kamata
Yusuf Kara
Gozde Sirganci

#ferapapers

Elevating Doctoral Program Curricula for
Student Success

Roundtable Session

Journey

Melanie Fowler

#ferarounds

Evaluation of Fit Indices for Identifying
Attribute Hierarchies in the “CDM” R
Package

Paper Session 8

Voyage

Yi-Hsin Chen
Chia-Ling Hsu
Xin Qiao
Yi-Jhen Wu

#ferapapers

Gradual Release of Teachers: Maintaining
A Collaborative Support Network

Roundtable Session

Journey

Allison Hitchens

#ferarounds

Impact of Non-Invariance on Residual
Variance in Dual Change Score Models

Paper Session 9

Expedition

Gregg Campbell

#ferapapers

Integrating Civil Discourse into Child
Growth and Development Courses in
Higher Education: Enhancing and
Promoting Ethical Practice Through
Community Engagement and Service-
Learning

Roundtable Session

Journey

Jessica Essary

Lindsay Michelle Schofield

#ferarounds

Intersectional DIF In Imbalanced Samples:
A Simulation Study

Paper Session 9

Expedition

Saeyan Yun (Florida State University),
Wenyi Li (Florida State University), Yiting
Yao (Florida State University), Md Niaz
Morshed (Florida State University),
Gertrudes Velasquez (HumRRO), Jieli
Ming (Aretum), Yachen Luo (HumRRO),
Salih Binici (Florida Department of
Education), Yanyun Yang (Florida State
University), Betsy Jane Becker (Aretum)

Saeyan Yun

#ferapapers

Likert Leftovers: A Case for attending To
Items Deleted to Achieve Internal
Consistency

Paper Session 8

Voyage

Mary Lieberman
John (Dan) Morris
Maria Vasquez-Colina

#ferapapers

Mathematics Outcomes and Executive
Function During COVID-19 Pandemic

Roundtable Session

Journey

Michelle Cumming
Maria Fernandez
Jina Park

#ferarounds

Middle School Teachers' Perceptions of a
Social Media Literacy Curriculum

Roundtable Session - CANCELLED (due
to unavailability of authors)

Journey

Angela Kohnen
Xiaoman Wang
Christine Wusylko

#ferarounds

Parental Engagement Survey:
Investigating Parental Perspectives on
their Children's Digital at-Home Learning

Roundtable Session

Journey

Alyssa Gonzalez-Dehass
Jacqueline Lynch
Patricia Williams

#ferarounds

Refining Predictive Models for Accelerated
Middle School Course Placement: A Data-
Driven Approach to Algebra I and Biology
Scheduling

Roundtable Session

Journey

Armando Abreu
Steven Seage
Amanda Suarez

#ferarounds

The Impact of Collaborative Inquiry on
Enhancing Career and Technical
Educational Pathways at a Title I Lab
School: Enhancing Career and Technical
Education Pathways

Roundtable Session

Journey

Reginald Ellis
Janell Massaline
Altamese Osborne
Saungaylia Randolph
Patricia West

#ferarounds

The Unspoken Truth About “Aliens” in
Cofs – “Citizens of the World”- Serving
Institutions

Roundtable Session

Journey

Tiberio Garza
Meryem Mekouar

#ferarounds

10:00 AM - 11:00 AM

Research for Practice – Why and How to
Examine Creativity in Educational
Contexts

Panelists: Jen Katz-Buonincontro, Denis
Dumas, Seyedahmad Rahimi
Moderator: Megan L. Atha

Journey

This panel considers the importance of
creativity as an educational focus in public
schools. How can creativity research be
translated, embedded, and 'owned' by
teachers in their classroom practice? What
are some key aspects of creativity that all
practitioners (and researchers) should
understand?

#fera_invited

11:00 AM - 12:00 PM

Keynote: Five Reasons Being Creative is so Frickin' Hard

Dr. Denis Dumas delivers our final keynote address, which discusses the challenges of performing creatively.

Journey

Psychologists love to talk about how important creativity is, especially in the school context. But often, we can forget that being creative is very challenging and difficult, and this can lead to confusion about why creativity might not be emphasized in schools. In this talk, I outline key barriers to creativity that affect both children and adults. Drawing from my theoretical and empirical work, I identify five barriers: the trade-off between originality and usefulness in idea generation; the need for autonomous decision-making in the creative process; the often paradoxical relationship between creativity and learning; the inevitable disagreements among people as to what ideas count as creative; and the inherent tension within the creative personality. I invite listeners to consider which of these barriers may be affecting them or their students and suggest some ways to overcome the barriers through education.

#fera_keynote

12:15 PM - 2:15 PM

Business Meeting & Awards Ceremony - Plated Luncheon

Please join us for our annual plated luncheon offered during our FERA Members' Business Meeting & Awards Ceremony.

Journey

Each year, we invite FERA members to stay to the end to participate in our annual Business Meeting, where members learn about how FERA is operating (e.g., membership, leadership changes, financial health, program updates, etc.) as well as who the recipients of this year's awards (e.g., Distinguished Paper, Educational Researcher of the Year, and the Russell P. Kropp Award).

#feraawards, FERA Snack Break

2:15 PM - 4:00 PM

Executive Board Meeting

Newly installed Board members meet to discuss next year's planning.

Bimini

#leadership

8:00 PM - 9:45 PM

Evaluating Learning Approaches of Hispanic Engineering Students in an Enhanced First-Year Experience Course

Paper Session 8

Tiberio Garza
Chengcheng Li
Qingmin Shi
Shaoan Zhang