Program Florida Educational Research Association 66th Annual Meeting



Hilton Daytona Beach Oceanfront Resort, Daytona Beach, FL

November 16-18, 2022

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Cambium Assessment
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David Bustos
Robert F. Dedrick
Bruce Hall
Lou Sabina
María D. Vásquez
Jennifer Wolgemuth

Hotel Floor Plan



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PROGRAM AT A GLANCE

	Wednesday, November	16	
9:00-5:00	Registration Atlantic Avenue Pre-Function 1,2,3		
10-12 pm	Professional Development: Flagler		
12:00-1:00	Lunch on yo	ur own	
12:45-2:15	Welcome & Keynote: Dilys Schoorman Grand Salon 1-4		
2:30-3:35	Paper Session 1 Qualitative Research I Grand Salon 6	=	Sponsored Session rand Salon 8
3:35-3:45	Coffee Break 1 Atlantic Avenue Pre-Function		
3:45-4:45	Paper Session 2 Research Methods, Measurement & Statistics I Grand Salon 6	Research in STEM Grand Salon 7	Symposium 1 <i>Grand Salon 8</i>
4:45-6:00	Invited Panel Discussion: Florida Department of Education Grand Salon (1-4)		
6:15-8:00	Evening Reception Oceanview Room		

FERA 2022 4

		Thursday, Nov	ember 17	7				
8:00-			stration					
5:00		Atlantic Avenue	Pre-Funct	tion 1,2,3				
8:00- 9:15	Teacher Inquiry Strand Sympo			sium 2 Salon 8	Symposium 3 Grand Salon 1-			
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	Grand	Grand	_					
	Salon 6	Salon 7						
8:30-	•	Graduate St	udent Po	sters				
10:00		& Coffe	e Break 2	2				
10.00			gler AB					
	Round Ta	Round Table Sessions			Paper Se	ession 3		
9:00-	Teaching and Teacher	K-12 Education	Adminis	tration &	_	chools and		
10:00	Education	Research		Learner		ommunities		
	Grand Salon 5	Grand Salon 5	Grand	Salon 5		Flagler C		
10:00-		Ed Analytics Inv	ited Pres	entation				
11:00		Value	e Added					
11.00	Grand Salon 1-4							
	Paper Session 4	Paper Session 4 Teacher Inquiry Strand						
						Invited		
	Research Methods,				Pro	esentation		
11:15-	Measurement, and		Teacher Inquiry 3		From C	astle Schools to		
12:15	Statistics II	Grand	Salon 7		Developmental Tools:			
	Grand Salon 6				Trajectory of Ghana's			
						itional System		
					Grand 8			
12:30-	Graduate:	Student Luncheon			Teacher Inquiry Luncheon &			
2:00	F	lagler AB			vorking gler C			
2:00-	Keyno	te: Andrea Guzman	Universit	v of Centr		gier C		
3:00	Keyno	•	Salon 1-4	., 0. 001101				
3:15-			Break 3					
3:45		Atlantic Aven	ue Pre-Fu	nction				
	P	aper Session 5			Ed Ana	lytic Sponsored		
			Inct	ructional	Strategy Workshop			
3:45-	Teaching and Teacher	<u>Qualitative</u>		hnology		for Facilitating		
5:00	<u>Education</u>	Research II	Gra	nd Salon		cher Inquiry		
	Grand Salon 6	Grand Salon 7		8	Grai	nd Salon 1-4		
5:00-		Kevnote:	<u> </u>	ton				
6:00	Keynote: Misty Penton Grand Salon 1-4							
6:15-	Evening Reception							
8:00	Oceanview Room							

FERA 2022 5

	Frida	ay, November 18			
8:00 – 5:00	Registration				
8.00 – 5.00	Atlantic Avenue Pre-Function 1,2,3				
7:45-8:30	Coffee Break 4				
7:45-8:30	Atlantic Avenue Pre-Function				
		Paper Session			
8:15-9:15	Symposium 4	Higher education	Schooling and		
8:12-9:12		context and policy	<u>Challenges</u>		
	Grand Salon 6	Grand Salon 7	Grand Salon 8		
	Invited Session: Banned! Policies, Decisions, and Implications of				
9:30-11:00	Removing Books from Florida Schools				
	Grand Salon 1-4				
11.00 12.00	Invited Closing Session: Vince Verges				
11:00-12:00		Grand Salon 1-4	•		
12:00-1:30	E	Business Meeting Lunche	on		
12:00-1:30		Grand Salon 5			
2.00 4.00	Executive Board Meeting				
2:00-4:00	Executive Boardroom A				

REGISTRATION

9:00 am — 5:00 pm Atlantic Avenue Pre-Function

PROFESSIONAL DEVELOPMENT SESSION

10:00 am —

12:00 pm Flagler

Data Visualization: Rich and Robust Strategies for Mixed Methods Applications

Workshop Facilitators: Wendy Dickinson & Tony Onwuegbuzie

Description: Join us for an interactive presentation and discussion of data visualization tools and strategies for effective display of mixed methods findings. Examples of both quantitative and qualitative data strategies will be shared, utilizing SAS code syntax, qualitative graphing applications, and interactive data dashboards. We will examine multiple approaches to creating data narratives through effective visualizations, with the goal of conveying a data message that is both rich and robust.

Biography: Wendy B. Dickinson is an educational researcher-practitioner. She holds a doctorate degree in Curriculum and Instruction, Emphasis in Educational Measurement and Evaluation, and Cognate in Fine Arts. Dr. Dickinson served as President of the Florida Educational Research Association; as Editorial Board Member, *International Journal of Multiple Research Approaches* (2019 - present); as Editorial Board Member for *Multiple Linear Regression Viewpoints* Journal; Contributing Editor (Society for Visual Anthropology) for *Anthropology News* (2007–2012), and Fellow of the Royal Statistical Society (2008 - present).

Dr. Dickinson provides expertise as an external evaluator for federal grants funded by agencies such as National Science Foundation, the National Aeronautics and Space Administration, and the United States Department of Education. She has served as a Faculty Consultant for Educational Testing Service (AP Statistics Examination). Dr. Dickinson presented her computer programming work at the SAS Global Forum (2019, 2020), and her data visualization research at the Mixed Methods International Research Association Conference (Trinidad and Tobago: 2019; University of Shizouka, Japan: 2019). Recent works include *Visualizing America: SAS graphical depictions utilizing the American Community Survey*, presentation for SAS Global Forum 2020, Washington, DC., and *Digital Data Narratives for Collaborative Evaluation*, presentation for the American Evaluation Association, 2022. Dr. Dickinson provides professional development trainings for corporations and educational entities, including *Color, Cut-outs and Collage: Matisse Makers Workshop* [PD Workshop 2021] for the Ringling College of Art + Design and *Data display strategies: Visualization with veracity*, presented for the 2020 Virtual Workshops: American Anthropological Association.

Biography: Anthony J. Onwuegbuzie is a Senior Research Associate at the University of Cambridge; *Distinguished Visiting Professor* at the University of Johannesburg; *Professor Extraordinarius* at the University of South Africa; Visiting Senior Scholar at St. John's University, New York; Visiting Professor at Federal University of Santa Catarina, Florianópolis, Brazil; Honorary Recognised Supervisor (Online), School of Histories, Languages and Cultures, University of Liverpool; and Fellow at the Institute in Critical Quantitative, Computational, & Mixed Methodologies (ICQCM). His research areas primarily involve social and behavioral science topics, including disadvantaged and under-served populations, such as minorities and juvenile delinquents. Additionally, he writes extensively on qualitative, quantitative, and mixed methodological topics. With an *h-index* of 105 and more than 98,000 citations, he has secured the publication of more than 550 works, including more than 400 journal articles, 50 book chapters, and 6 books. He has delivered more than 1,000 presentations, 250 methodological workshops, and 60 keynote addresses worldwide. He is former editor of *Educational Researcher*. Currently, he is editor-in-chief of both the *International Journal of Multiple Research Approaches* and the *Journal of Mixed Methods Studies*. He is founding member and past President of the Mixed Methods International Research Association.

Professor Onwuegbuzie was a recipient of the 2018 National Research Foundation top honors awards in the science and research field—receiving an "A" rating. According to AD Scientific Index World Scientist and University Rankings 2022, within the Field of Education, he is ranked #14 in the World. Further, Research.com, "one of the major websites for Social Sciences and Humanities research offering credible data on scientific contributions since 2014," recognizes Professor Onwuegbuzie as being ranked #64 in the World. Most notably, he is the #1 most cited Educational Research Scientist in the world in terms of number of citations over the last 5 years.

Tony Onwuegbuzie will be livestreaming from Cambridge, UK.

LUNCH ON YOUR OWN

12:00 pm – 12:45 pm

12:45 pm — 2:15 pm Grand Salon 1-4

Welcome

David Bustos
President of the Florida Educational Research Association

Embracing our Moral Responsibility as Educators and Researchers

Speaker:

Dilys Schoorman, Florida Atlantic University

Description: Informed by the field of critical multicultural education, this presentation will explore the role and responsibility of educators and researchers who work in contexts characterized by diversity and inequity. How might we center commitments to equity, excellence and justice in our teaching and research in Florida? Reflecting on her 25 years of professional experience as a multicultural teacher educator and researcher in FL, the presenter will offer a series of "lessons learned" through her work among diverse communities of teachers, community educators, immigrants, school district leaders, and higher education staff, faculty students and administrators. The presentation explores a re-visioning of education that embraces our state's diversity as an asset for excellence, embraces joy in the classroom as democratic praxis, embraces research as a catalyst for equity, and embraces our individual and collective capacities for community building.

Biography: Dilys Schoorman, Ph.D. is a Professor in the College of Education at Florida Atlantic University, where she has won awards for her scholarship, teaching, advising and community engagement. She has been a consistent presenter at the American Educational Research Association annual conference since her days as a graduate student, and her scholarship in educator and researcher preparation, multicultural and global education, immigrant education, and faculty governance has been published in numerous book chapters and peer reviewed journals such as the *Journal of Teacher Education, Equity and Excellence in Education, Urban Education, Critical Studies* < --- > *Methodologies, Diaspora, Immigrant and Migrant Education, Teaching and Teacher Education, International Journal of Critical Pedagogy*, and *Critical Questions in Education* (to name a few), including many issues dedicated to special topics.

2:30 pm — 3:35 pm Grand Salon 8

Addressing New Challenges in the Security of Statewide Assessments: A Guide for States in the Post-Pandemic Era

Speakers:

Steve Addicott, Chief Operating Officer, Caveon Test Security

Walt Drane, Director of Education Services, Caveon Test Security

Dr. Sarah Toton, Director of Data Forensics, Caveon Test Security

Description:

In recent years, many new things have been learned by states for improving test security, including the implementation of online assessments/CATs, monitoring test administrations more effectively, and attempting various methods for conducting secure testing during a pandemic. Among the latest challenges for states are the increasing use of nonpermitted technology and devices by students during testing, disclosure of test content on social media, and doing remote testing securely. In 2022, a team of state assessment representatives, independent test security experts, and Caveon staff collaborated to develop a new report, titled "Addressing New Challenges in the Security of Statewide Assessments:" that addresses many of the latest issues and challenges. This document is a useful resource for improving security practices, preventing test irregularities, detecting test piracy, and investigating suspected instances of improper testing behavior by students or educators. In this session, information from the new report will be presented along with effective state strategies and current procedures for improving security. Two nationally recognized experts on test security for state assessments and Caveon's Director of Data Forensics will provide many examples of effective state practices, e.g., implementing stronger policies, procedures for conducting remote testing, better monitoring of the Internet and social media, expanded use of data forensics analyses, and using innovative test designs to increase security.

- Attendees will hear information on several key themes:
 - Latest lessons learned by states and best practices implemented to improve test security
 - Recommended approaches for preventing testing irregularities, in both classroom-based and remote test administrations
 - Implementation of more robust monitoring of the Internet for compromised testing materials
 - New methods for detecting test irregularities via forensics analyses
 - Techniques for investigating test irregularities and possible cases of cheating by students and educators

Time is allotted for an audience discussion on the critical issues presented in this session and the latest lessons learned by states. In addition, copies of the new Caveon report on test security for states will be shared with all attendees at this session.

Biography: Steve Addicott is Caveon's Chief Operating Officer. In addition to driving Caveon's growth, Steve provides consultation services to Caveon clients, ensuring they find comprehensive solutions for

all of their test security needs. Steve's deep involvement in the delivery of Caveon's security services often includes extensive client outreach and conducting exhaustive reviews and analysis of testing program structures and test security planning.

In addition to being a test security evangelist, Steve is a senior technology professional with nearly three decades of sales and marketing experience devoted to companies in the business services, technology, and measurement arenas.

A hands-on leader, Steve has a proven track record of building high-performance relationships that deliver significant revenue results. He has played instrumental roles in management, business development, marketing, and customer service operations with diverse organizations ranging from start-ups to Fortune 100 companies. A popular public speaker, Steve is frequently called upon to present at assessment industry conferences, including events sponsored by ATP, NOCA, CLEAR, CCSSO, Association Forum, and NCTA.

Biography: Walt Drane, Ed.S. is an experienced K-12 large-scale assessment professional with a demonstrated history of working in the education management industry. In his role at Caveon, he is a strong business development professional who is skilled in the unique area of test security. His former experiences include serving as the Executive Director of the Offices of Assessment and District and School Performance for the Office of Accountability at the Mississippi Department of Education. There, he provided continued oversight and development over assessments in mathematics and English Language Arts for grades 3-8, science in grades 5 and 8, end-of-course high stakes assessments in the areas of Algebra I, English II, Biology I, and U.S. History, and alternate assessments for those students in grades 3-8 and 12 who have significant cognitive disabilities. He also led Mississippi's Test Security Unit at the department of education and has led multiple large-scale investigations throughout the State of Mississippi to ensure the validity and reliability of state-wide assessment results. Mr. Drane has spoken at several national and international venues on various assessment topics, including the National Conference on Student Assessment (NCSA), National Council on Measurement in Education (NCME), the Conference on Test Security (COTS), Association of Test Publishers (ATP), and European Association of Test Publishers (E-ATP). Mr. Drane has also served as a high school assistant principal, athletic director, and elementary and middle school teacher. He holds a B.A. in Political Science with a focus on International Relations, a Certificate in Criminal Justice and Corrections, a Master's degree in Education, and an Education Specialist degree in Educational Leadership.

Biography: Dr. Sarah Toton is the Director of Data Forensics at Caveon where she manages a team of data engineers and data forensic scientists in conducting test security analyses for a broad range of clients. She received a PhD in Quantitative Psychology from the University

of Virginia and an MA in Psychology from Wake Forest University. Her research focuses on identifying predictors of item compromise and examinee pre-knowledge, particularly those that are based on item response time statistics. A winner of the Benjamin D. Wright Innovations in Measurement Award, she brings a strong background in Item Response Theory to her work and a creative approach to the challenges of an area with many unknown factors. Sarah regularly presents her work at the Conference of Test Security and is a member of the National Council of Measurement in Education and the Association of Test Publishers.

2:30 pm — 3:35 pm Grand Salon 6

PAPER SESSION: QUALITATIVE RESEARCH I

Exploring the Competencies of Learning Experience Design Professionals: A job Announcement Analysis

- Xiaoman Wang, University of Florida
- Jie Lu, University of Florida
- Minyoung Lee, University of Florida
- Rui Huang, University of Florida
- Albert Ritzhaupt, University of Florida
- Matthew Schmidt, University of Florida

Intentionally Transforming Teacher Narratives Through Professional Development: Using Digital Stories as (re)Tellings and/or (re)Presentations of Latin America and the Caribbean

- Sarah Mathews, Florida International University
- Sherrie Beeson, Florida International University

Perspectives of Overage Graduates: Issues that Affected their Schooling

Dione Thomas Webber, University of North Florida

COFFEE BREAK

3:35 pm — 3:45 pm Atlantic Avenue Pre-Function

Sponsored by:

Florida Gulf Coast University

Please join us for a coffee break sponsored by Florida Gulf Coast University

SYMPOSIUM I

3:45 pm — 4:45 pm Grand <u>Salon 8</u>

Collaborative Professional Development: An Emergence of Shared Responsibilities and Knowledge Creation Across Content Areas and Perspective

- Emily Plummer Catena, Florida State University
- Lori Walter-Carro, Florida State University
- Minki Jeon, Florida State University
- Mark Watford, Florida State University

PAPER SESSION: RESEARCH IN STEM

3:45 pm — 4:45 pm Grand Salon 7

Understanding the Impact of Collaborative Group Design Rotation on Student Participation and Collaboration Within Engineering Education

Erica Cheva, Florida Atlantic University

Exploring Science Achievement Trends Across Subgroups of Elementary Multilingual Learners

- F. Chris Curran, University of Florida
- Mark B. Pacheco, University of Florida
- Lelydeyvis Boza, University of Florida
- Amber Deig, University of Florida
- Katharine Harris-Walls, University of Florida
- Tiffany Tan, University of Florida

Organizational Structure, Instructional Quality, and Student Achievement: The Case of Public and Private Schools

Yusuf Canbolat, Pasco County Schools

PAPER SESSION: RESEARCH METHODS, MEASUREMENT, & STATS I

3:45 pm — 4:45 pm Grand Salon 6

Prediction of Community College First-Year Student Retention with Data Mining Models

- Lantry Brockmeier, Valdosta State University
- Camille Pace, College Board
- Michael Bochenko, Valdosta State University
- Daesang Kim, Valdosta State University

Experimenting with Least Squares, Curvilinearity, Leverage, and Influence

- Mary G. Lieberman, Florida Atlantic University
- John D. Morris, Florida Atlantic University

Evaluating Content-related Validity of Mathematical Diagnostic Items Using a Topic Modeling Approach

• Jiehan Li, University of Florida

INVITED PANEL SESSION

4:45 pm — 6:00 pm Grand Salon Ballroom 1-4

The Issues around Large Scale Assessments

Speakers:

Mark Reckase, Michigan State University

Claudia Flowers, University of North Carolina

Reactor:

Cornelia Orr, Past President of FERA

Moderator:

Vince Verges, Florida Department of Education

Description: This panel will focus on the issues around large scale assessment, including psychometrics of standard setting, standard setting with Computer Adaptive Tests (CATs), and accommodations/supports for English Language Learners (ELLs).

Biography: Dr. Mark Reckase is a Distinguished Professor Emeritus of measurement and quantitative methods at Michigan State University. He specializes in the development of educational and psychological tests, educational policy related to testing, and the psychometric theory that supported the assessment of cognitive skills and content knowledge. In particular, he was doing research on applications of unidimensional and multidimensional item response theory (IRT) models, computerized adaptive testing (CAT), assessment using performance tasks, standard setting on educational tests, and methods for evaluating the quality of teacher education programs.

Biography: Dr. Claudia Flowers is a professor of research, statistics, and measurement at the University of North Carolina at Charlotte. She has over 90 publications in the areas of assessment, measurement, and applied research methods. She earned her Ph.D. in Educational Research, Measurement, and Evaluation from Georgia State University. Her current research interests include exploring evidence of technical quality of alternate assessments for students with significant cognitive disabilities and testing accommodations. She is a member of the National Council on Measurement in Education (NCME) and serves on committees that support Diversity and Testing. She is a partner with the National Center and States Collaborative and serves on numerous states' Technical Advisory Committee and National Expert Advisory Panels that examine assessing students with disabilities. She services as a peer reviewer for the Institution of Education Sciences for US Department of Education.

Biography: Dr. Cornelia Orr is a Past President of FERA with an extensive career that includes over 25 years of service to the State of Florida at the local, state, and university levels. In March 2015, Cornelia retired as the Executive Director of the National Assessment Governing Board (NAGB), the board that sets policy for National Assessment of Educational Progress (NAEP). She served as Assistant Deputy Commissioner of the Department of Education from 2003 to 2009 where she directed statewide assessment programs from kindergarten readiness to teacher certification. Prior to 2003, she served for as the State and the Department as Director of K–12 Assessment K–12 for five years and preceding that had served as a program specialist on a variety of other assessment projects.

In addition to her state service, she was director of testing and evaluation for the Leon County school district and a national consultant on assessment and evaluation projects with Evaluation Systems Design.

Biography: Vince Verges has overall responsibility for Florida's K-12 statewide summative assessment system, as well as the Florida Teacher Certification Examination and the Florida Educational Leadership Exam. He has been with the Department for sixteen years and has been involved in developing Florida's statewide assessments since 1999. Prior to coming to the Department, Vince served for ten years in Florida's public schools and colleges as an elementary school assistant principal, high school mathematics teacher, and adjunct mathematics instructor in the Florida College System. He was named Taylor County Teacher of the Year in 2000. Before his career in education, Vince served for seven years in the U.S. Navy as a navigator aboard the EA-6B Prowler electronic warfare aircraft. His squadron was aboard the USS Independence during Operation Desert Shield prior to the First Gulf War. He is a 1987 graduate of Florida State University and earned his MA in Educational Leadership from Florida A& M University in 2001.

RECEPTION

6:15 pm - 8:00 pm Oceanview Room

Evening Reception

Sponsored by:

CAVEON

Description: Please join us for the Wednesday night reception, sponsored by CAVEON. All FERA attendees are welcome to attend the Wednesday night reception. The event includes great food, cash bar, and conversation with educational researchers from across the state of Florida.

8:00 am - 5:00 pm Atlantic Avenue Pre-Function 1,2.3

TEACHER INQUIRY STRAND 1

8:00 am — 9:15 am Grand Salon 6

Open Casting: Bringing Our Students to Life in the Theatre

• Rachel Snyder, P.K. Yonge Developmental Research School

Impacting Student Cultural Self-Awareness with Culturally Relevant Texts Presenter

- Kristin Potter-Oliveri, A.D. Henderson University School and FAU High School
- Kimberly Hallstrom, A.D. Henderson University School and FAU High School

Using the ARCS Model to Influence Students' Attitudes Toward Geometry

• Mario Toussaint, P.K. Yonge Developmental Research School

Promoting Proficiency of Disciplinary Core Ideas with African American Male Students in a High School Chemistry Course

• Mayra Cordero, P.K. Yonge Developmental Research School

TEACHER INQUIRY STRAND 2

8:00 am — 9:15 am Grand Salon 7

Bolstering Literacy Skills to Increase Students' Scientific Reasoning

• Rachel Still, P.K. Yonge Developmental Research School

Supporting Student Reflection Towards Mastery of Learning Objectives in an Middle School Engineering Classroom

• Lisa Fabulich, P.K. Yonge Developmental Research School

Providing STEM Opportunities to Black Students in An Under-Served Black Community

- Sharmaine Brown, Jared's Heart Of Success, Inc.
- Zhen Xu, University of Florida
- Pasha Antonenko, University of Florida
- Kara Dawson, University of Florida

How does Implementation of Art-based Projects Impact Depth of Knowledge of Science Topics in a Lower Elementary Specials Setting? Science through Art

Lindsey Wuest, A.D. Henderson University School and FAU High School

SYMPOSIUM II

8:00 am — 9:15 am Grand Salon 8

Stealth Assessment of Computational Thinking, Online Credibility, Systems Thinking, and Collaborative Creativity

- Stealth Assessment of Hard-to-measure Competencies
 - o Seyedahmad Rahimi, University of Florida
- Assessing Computational Thinking Stealthily
 - Ted Myers and Yukyeong Song, University of Florida
- Stealth Assessment of Online Credibility Evaluation
 - o Bowen Wang, Xiaoman Wang, Lauren Weisberg, and Christine Wusylko, University of Florida
- Stealth Assessment of Systems Thinking
 - o Eric Wright & Andrea Ramírez-Salgado, University of Florida

- Assessing Collaborative Creativity in a Three-dimensional Virtual Reality Environment
 - o Marc Francois, Jennifer Lu, & Jennifer Moses, University of Florida
- Discussant: Russell Almond, Florida State Florida State University

SYMPOSIUM III

8:00 am — 9:15 am Grand Salon 1-4

Improving Efficiency, Accuracy and Reducing Cycle Time with Automated Scoring of Human Responses: A Continuous Evolution of Automated Intelligent Scoring

- Jon S Twing, Pearson
- Karen Lochbaum, Pearson
- Süleyman Olgar, FL Department of Education
- Amy Schmidt, Pearson
- Vince Verges (discussant), FL Department of Education

COFFEE BREAK

8:30 am – 10:00 am Flagier AB

Sponsored by:

Florida Atlantic University

Please join us for a coffee break sponsored by FAU College of Education.

GRADUATE STUDENT POSTER SESSION

8:30 am – 10:00 am Flagier AB

Adult Prison Inmates' Tendency to Withhold Academic Effort

• Alan Black, University of Central Florida

A Critical Investigation of Online Survey Bias for Minority and Ethnic Populations: A Systematic Literature Review

- Carla Huck, Florida Gulf Coast University
- Jingshun Zhang, Florida Gulf Coast University

Solution-Focused Academic Advising: Integrating Counseling Theory into Academic Advising in Higher Education

- Kathryn Babb, University of Central Florida
- Megan Mitchell, University of Central Florida
- Stacy Van Horn, University of Central Florida

Overcoming Barriers to Effective Social and Emotional Learning

• Yvonne Deck, University of Central Florida

High School Principals' Instructional Leadership Regarding World Languages Programs: An Explanatory Sequential Mixed-Methods Study

• Pablo Martinez, Florida Southern College

Teacher-Child Communication and Language Performance in Dual Language Learners: An analysis on Speech Disfluencies

- Ester Garcia-Plaza, University of South Florida
- Carla Zayas-Santiago, University of South Florida
- Sara A. Smith, University of South Florida
- María S. Carlo, University of South Florida

Discovering the Experiences of Supervisors in a Leadership Training Program

Zaina Sheets, Florida State University

Can't We Just Enjoy the Book? ELA Teachers and Disciplinary Literacy

Geoffrey Kellogg, University of Florida

Human-Animal Interactions and Animal-Assisted Interventions: Implementation and Results from the Classroom

• AmyLee Pritchard, Florida Southern College

A Literature Review on The Sociocultural Implications of Pursuing Leadership in Higher Education As A Woman

• Guilianna McGinniss, Florida Southern College

Application of K-modes Clustering to Meta-Analysis Data

• Saeyan Yun, Florida State University

Post 9/11 Student Veterans and Motivation: The Pursuit of Higher Education

Savanna Coss, University of South Florida

Increasing Engagement: A Literature Review

• April Borden, University of Central Florida

The Gender Divide in Higher Education: More Women In Higher Education, Yet the Wage Gap Continues

• Sarah Zeinemann, Florida Southern College

Exploring Dynamic Experiences in a Young Heritage Language Writer

Mariana Talpau Joos, Florida State University

Teacher Perceptions of Equitable Implementation of Positive Behavioral Intervention Supports

• Skylar Voelker, Florida Atlantic University

A Novel Perspective on Research Rotations: Bridging the College of Medicine and the College of Education

- Nancy Adams, University of Florida
- Ashley, N. Walker, University of Florida

Instructors' Perception of Online Students' Minimal Participation: Are They Active or Passive Learners?

- Jaesung Hur, Florida State University
- Yuen Man, Florida State University
- Hui Shi, Florida State University
- Vanessa Dennen, Florida State University

PAPER SESSION: SCHOOLS AND COMMUNITIES

9:00 am – 10:00 am Flagier C

A Deeper Look at Florida's Civics Education Bills: An Application of Natural Language Processing Approach

- Steven Carlo, University of Florida
- Jinnie Shin, University of Florida

Exploring School Culture and Climate in Title I Schools

- Allison, Cencebaugh, Stetson University
- Lou Sabina, Stetson University
- Rajni Shankar-Brown, Stetson University
- Debra Touchton, Stetson University

Building capacity and yielding results in K12 research communities: Reflections on process, principles, and products

- Michelle Vaughan, Florida Atlantic University
- Tricia Meredith, Florida Atlantic University & A.D. Henderson University School and FAU High School
- Agnes Timar, A.D. Henderson University School and FAU High School
- Melissa Mariani, Florida Atlantic University
- Elisa Calabrese, A.D. Henderson University School and FAU High School

ROUND TABLE SESSION 1: TEACHING AND TEACHER EDUCATION

9:00 am — 10:00 am Grand Salon 5

Examining Pre-Service Teacher Satisfaction with Educational Podcasts for Certification Test Preparation

Mercedes Musto, University of West Florida

Predicting Child Care Teachers' Job Satisfaction and Intent to Leave: A Cross-sectional Study

- Insook Huh, Florida State University
- Ithel Jones, Florida State University

Examining Levels of Cognitive Complexity in Student Learning Outcomes within Teacher Preparation Courses : A Roundtable Discussion

- Megan Atha, Florida Gulf Coast University
- Jackie Greene, Florida Gulf Coast University

Self-Regulation, Goal Setting, and Student Behavior: A Mediation Analysis

- Jia Ma, University of Florida
- Jia Quan, University of Florida
- Stephen Smith, University of Florida
- Ann Daunic, University of Florida
- Brian R. Barber, Kent State University

ROUND TABLE SESSION 2: K-12 EDUCATION RESEARCH

9:00 am - 10:00 am Grand Salon 5

Design & Development of a Tool to Assess Middle School Students' Skills when Evaluating Incidental Information

- Kara Dawson, University of Florida
- Max Sommer, University of Florida
- Christine Wusylko, University of Florida
- Xiaoman Wang, University of Florida
- Albert Ritzhaupt, University of Florida
- Angela Kohnen, University of Florida

Moving towards more Student Choice in Kindergarten

- Melissa Rodriguez-Meehan, Florida Gulf Coast University
- Van-Jay Haughton, Florida Gulf Coast University
- Madison Franz, Florida Gulf Coast University
- Tiffany Chobrda, Florida Gulf Coast University

The moral disengagement experience-young adolescents, media influencers and authentic portraits of two central Florida classrooms

• George Matisz, Florida Southern College

ROUND TABLE SESSION 3: ADMINISTRATION & LEARNERS

9:00 am — 10:00 am Grand Salon 5

Building Trust in K12 Schools: Principals' Perspectives as Aligned to the New Florida Educational Leadership Standards

• Laura Boilini, University of North Florida

Designing a Scoring Framework to Measure Performance in Virtual Nursing Simulations

- Max Sommer, Elsevier
- Francisco Jimenez, Elsevier
- Shannon Butts, Elsevier

A Metacognition-Driven Professional Development Program for Educators of Farm to Early Care and Education

- Shiyi Chen, University of Idaho
- Rebecca Sermeno, University of Idaho
- Ashley Jelliffe, University of Idaho
- Nikki Hodge, University of Idaho

INVITED SESSION

10:00 pm — 11:00 Grand Salon 1-4

Innovations in Value Added – Measuring Growth for Low Achieving

Invited Presentation

Speaker:

Robert Meyer, Education Analytics

Description: Current growth models may inaccurately measure the growth of low achieving students. More generally, these models may overpredict test scores for high achieving students and underpredict test scores for lower achieving students. Nonlinearity in the relationship between current and prior performance could arise from at least three sources: differential success in improving growth for low and high achieving students (or other targeted groups of students), weakness in measurement of achievement for low and high achieving students, and test measurement error. If these issues are ignored, traditional growth models may yield biased estimates of growth for students, educators, and schools and may fail to correctly provide information on the success of program improvement initiatives. We present new methods and statistical estimators that are designed to address these concerns. We show how models can be designed to accurately estimate school growth, the effects of interventions targeted, for example, at low achieving students or other groups, and how to allow for nonlinear relationships using spline model specifications. All models and estimators are designed to control for test measurement error. We illustrate the performance of these methods using simulated Monte Carlo data and data from several states and districts.

Biography: Dr. Robert Meyer is the Chief Research Officer and Founder at Education Analytics, a research professor at the University of Wisconsin-Madison, and founder of the Value-Added Research Center. Dr. Meyer is nationally known for his work on value-added modeling, evaluation methods, and strategic management of human capital. He has worked intensively with school districts in Atlanta, Chicago, Hillsborough County, Los Angeles, Madison, Milwaukee, Minneapolis, New York City, and Tulsa, and the state departments of education in Illinois, Minnesota, New York, North Dakota, Oklahoma, South Dakota, and Wisconsin. In addition, he has conducted major statistical evaluations of programs and policies such as class-size reduction, literacy, and supplemental educational services. Dr. Meyer led an evaluation of the Milwaukee Charter Schools Program with the Center for School Turnaround and Vanderbilt University, developed early warning systems in Milwaukee Public Schools using test scores, attendance, and suspension rates, and integrated value-added analysis into Atlanta Public Schools. Additionally, Dr. Meyer and Dr. Peter Witham led the technical assistance for districts that won a federal Teacher Incentive Fund (TIF) grant. TIF provided funds to establish performance-based compensation systems in high-need schools as a form of school turnaround. Among his accomplishments, Dr. Meyer was awarded a Senior Urban Education Research Fellowship from the Council of Great City Schools in 2007 and received the University of Wisconsin – Madison Chancellor's Award for Excellence in Research in 2010.

TEACHER INQUIRY STRAND 3

11:15 am — 12:15 pm Grand Salon 7

Diversity in State's Recommended Reading Lists

• Samantha Sylvestri, Florida Atlantic University

Promoting Critical Thinking, Self-Determination Theory, and Faculty Collaboration in a Project Based Course

- Kevin Fabulich, P.K. Yonge Developmental Research School
- Jalea Turner, University of Florida

Collaboration, Multi-sensory Instruction, and Intrinsic Motivation: A Case for Accelerated Literacy

• Jalea Turner, P.K. Yonge Developmental Research School

Remediation for Students with Fundamental Gaps in an Upper-Level Math

• Peggy Roach, P.K. Yonge Developmental Research School

Balancing the Equation: Using Socratic Dialogue to Increase Student Engagement and Achievement in a Middle School Mathematics Classroom

• Pilar Taylor, A.D. Henderson University School and FAU High School

PAPER SESSION: RESEARCH METHODS, MEASUREMENT, AND STATISTICS II

11:15 am — 12:15 pm Grand Salon 6

Performance of Effort-moderated Multidimensional Item Response Model under Nonrandom Rapid-guessing Response

- Bowen Wang, University of Florida
- Anne Corinne Huggins-Manley, University of Florida

Integration of ANOVA-Multiple Regression for Beginning Statistics Students

• Mary G. Lieberman, Florida Atlantic University

Responsible Partialling

- Mary G. Lieberman, Florida Atlantic University
- John D. Morris, Florida Atlantic University
- María D. Vásquez-Colina, Florida Atlantic University

INVITED SESSION

11:15 am — 12:15 pm Grand Salon 8

From Castle Schools to Developmental Tools: Trajectory of Ghana's Educational System

Speaker: Kofi Acheaw Owusu, University of Cape Coast

Description: This talk will take an historical approach to draw participants on Ghana's journey in education bringing to the fore the gains and struggles of the education system from pre-colonial to the current dispensation. In pre-independent Ghana, education took place in the castles and forts of the Europeans. The focus was to train the children the Europeans had with African women and those of wealthy merchants and chiefs. Children were taught reading, writing and arithmetic. With the expansion of Christian missionaries and their goal of evangelising while improving civilization, schools were set up to train the indigenous people across the colony. The colonial government took various measures to improve education in the country. Various post-independent governments have sought to reform the educational system to meet the demands of the time. The goal and structure of education have evolved in Ghana through the ages.

Biography: Dr. Owusu is a professor in the Department of Science Education in the College of Educational Studies, University of Cape Coast (UCC), Ghana. This past summer he has worked with University of South Florida (USF) faculty on an NSF-funded project to engage Ghanaian high school students in authentic science research related to water and sanitation issues. He is currently visiting USF to further collaborations between UCC and USF.

GRADUATE STUDENT LUNCHEON

12:30 pm – 2:00 pm Flagler AB

FERA Graduate Student Business Meeting Luncheon

Sponsored by: **Bruce Hall**

Graduate Student Coordinators:

Lodi Lipien, University of South Florida & Ted Myers, University of Florida

Current and Future Roles of Artificial Intelligence in Educational Research

Speakers:

Jinnie Shin

Description: Broadened access to powerful computing systems has allowed researchers to apply artificial intelligence to solve complex educational problems. In this talk, I will provide an overview of AI techniques and methodologies currently being used in educational research, including statistical modelling, learning analytics, natural language processing systems, and psychometrics. I will also list some possible directions that this interdisciplinary approach may take in the near future.

Biography: Jinnie Shin, Ph.D., is an Assistant Professor of Research and Evaluation Methodology in the School of Human Development and Organizational Studies in Education within the College of Education at the University of Florida. She has expertise in application of theory-based natural language processing and learning analytics in education research. In her work, she has focused on investigating how to bridge the gap between psychometric analysis and artificial intelligence in education research. Dr. Shin has experience with various international industry projects with the Medical Council of Canada, American College Testing, and the New Zealand Qualifications Authority, which focus on providing effective solutions to complex education problems using deep learning and natural language processing research.

TEACHER INQUIRY LUNCHEON & NETWORKING

12:30 pm – 2:00 pm Flagier C

FERA Teacher Inquiry Luncheon & Networking

Teacher Inquiry Coordinator:

Michelle Vaughan, Florida Atlantic University

Description: Please join us for a networking opportunity and luncheon. All FERA teacher inquiry attendees are welcome to attend.

KEYNOTE PRESENTATION

2:00 pm — 3:15 pm Grand Salon 1-4

Understanding House Bill 7 and Ways to Continue the Conversation

Speaker:

Andrea I. Guzmán, University of Central Florida

Description:

House Bill 7, also referred to as the "STOP W.O.K.E" Bill, restricts Florida educators from teaching eight race and gender specific concepts. Ramifications for not complying are extremely steep and many students and educators express a wide range of emotions ranging from disbelief to fear and anger. As a result, several lawsuits have been filed challenging the bill as unconstitutional. However, amid the legal battle, educators are expected to teach, and students are expected to learn. Described as "chilling", House Bill 7 is written in a manner that can be difficult to interpret. This session will explain House Bill, discuss what the bill prohibits, and provides answers to some of the most frequently asked questions. Attendees will also learn ways to continue the conversation while complying with Florida Law.

Biography: Dr. Andrea I. Guzmán joined UCF as Vice President for Diversity, Equity, and Inclusion in July of 2021 where she serves as a member of the executive leadership team and is responsible for leading the development of a comprehensive strategy that champions evidence-based practices in the areas of diversity, equity, and inclusion in a multi-campus university. Prior to this, she served as Associate Vice President for Student Outreach and Diversity at Florida Atlantic University (FAU) since 2014. In this role, she led efforts to provide a campus climate that supports diversity and inclusion, student success, personal development, and integrated student learning experiences. While at FAU, she developed three university-wide centers including the Center for Inclusion, Diversity Education, and Advocacy. Within each center, she developed several student success programs for marginalized student populations and a number of symposiums to advance and sustain diversity, equity and inclusion efforts for faculty, staff and students.

During her time at UCF, she has already made a lasting impact at the institution. Within her first six months she helped secure a philanthropic gift of \$5MIL to create the Ginsburg Center for Inclusion and Community Engagement at UCF. The new center will serve UCF students, faculty and staff, and members of the greater Orlando community, providing education aimed at building cross-cultural and global competencies, as well as opportunities to learn about and effectively serve various populations, such as those with differing abilities and disabilities; veterans; those who are the first in their families to attend college; and people of varied socioeconomic statuses, cultures, and beliefs. Dr. Guzman has also helped secure over \$4MIL in additional grants and corporate sponsorships and created a revenue stream to further support DEI efforts at UCF.

COFFEE BREAK

3:15 pm — 3:45 pm Atlantic Avenue Pre-Function

Sponsored by: University of Florida

Please join us for a coffee break sponsored by the University of Florida College of Education.

INVITED SESSION

3:35 pm — 4:35pm Grand Salon 1-4

A Tool for Facilitating Strategy Workshop

Sponsored Session

Speaker:

Julie McLeod, Education Analytics

Description: Education Analytics has designed and created an innovative platform to support educators in teacher inquiry. Strategy Workshop guides teachers through short-cycle improvement studies, enabling teachers to identify evidence-based instructional strategies, test them out in their classroom, and use data to determine if they really make a difference in student achievement.

Biography: Julie McLeod is a Data Strategist II on the Data Strategy Team at Education Analytics. Currently she is the Project Lead on several state and district-level growth projects, including New York State, Wisconsin, New York City, Hillsborough County, and San Antonio. She also leads the Teacher as Researcher project in South Carolina. Before coming to EA, she spent eighteen years in Hillsborough and Pinellas school districts evaluating programs, assisting schools with assessment and accountability data, and strategic planning. She has been a member of FERA for over 20 years and has served as Treasurer and Director on the FERA Board.

PAPER SESSION: TEACHING AND TEACHER EDUCATION

3:45 pm – 5 pm Grand Salon 6

An Investigation of PK-12 Teacher Perceptions, Knowledge, and Implementation of Social Emotional Learning (SEL) in Southwest Florida

- Carla Huck, Florida Gulf Coast University
- Jingshun Zhang, Florida Gulf Coast University

Embedding Authentic Science Research Activities in an Undergraduate Course for Pre-Service Science Teachers

- Rita Ortiz, University of South Florida
- Allan Feldman, University of South Florida

Visual Literacy as Artmaking as Sensemaking: Teaching Young Foster Care Youth about Acceptance

- Cole Kervin, Florida Atlantic University
- Ira Bogotch, Florida Atlantic University
- Loni Lebanoff, Cognitutor

PAPER SESSION: QUALITATIVE RESEARCH II

3:45 pm — 5 pm Grand Salon 7

Deep Diving into a Learning Disability as a Doctoral Student

• Alycia Bobak, University of South Florida

Writing Thematic Analyses: With or Through?

Aaron Kuntz, Florida International University

Following Zora: Excavating A Hurstonian Model For Researching Black Educational History In Florida

Melanie M. Acosta, Florida Atlantic University

Roles and Services Provided by Centers of Teaching Excellence (CTE) in American Universities: from Center Directors' Perspective

- Xiaoman Wang, University of Florida
- Swapna Kumar, University of Florida
- Jue Lu, University of Florida
- Rhiannon Pollard, University of Florida
- Florence Martin, North Carolina State University
- Albert Ritzhaupt, University of Florida

PAPER SESSION: INSTRUCTIONAL TECHNOLOGY

3:45 pm — 5 pm Grand Salon 8

A Bibliometric Analysis of Trends and Issues in Educational AI

- Brian Abramowitz, University of Florida
- Minyoung Lee, University of Florida
- Pavlo Antonenko, University of Florida

Ill-structured to well-established design in project PHoENIX: Participatory Learning Experience Design of a Virtual Reality Research Space for Autistic Adults

• Min Lee, University of Florida

Measuring the Factors Associated with Undergraduate Student Online Learning Anxiety: Validation of the Online Learner Anxiety Scale (OLAS)

- Muhammad Shahroze Rehman, University of Florida
- Tuba Ketenci, University of Florida
- Albert Ritzhaupt, University of Florida
- Anne Corinne Huggins-Manley, University of Florida

Locked Screen! Wait for the Teacher's Instructions: The Changes in Digitally Mediated Learning Material for Blended, Transmedia Curriculum based on an Iterative Design Approach

- Do Hyong Koh, University of Florida
- Zhen Xu, University of Florida
- Christine Wusylko, University of Florida
- Kara Dawson, University of Florida
- Pavlo Antonenko, University of Florida

5:00 pm — 6:00 pm Grand Salon 1-4

My Story, Your Story, Our Story

Speaker: Misty Penton, Wildwood Preservation Society

Description: This presentation will allow for a discussion of how the new representations of marginal populations in media have had a couple positive consequences in the validification of their own home experiences. Informal educators are getting serious about representation, and it has been relished by audiences.

Biography: Misty Penton is the Education Director for The Museum at Fred George Park and Greenway operated by Wildwood Preservation Society (WFSU). She holds a Master of Science degree from the University of Oregon in Physical and Biological Anthropology and two Bachelor in Science degrees from Florida State University in Political Science and Anthropology

Ms Penton grew up near the property now contained in the Leon County Fred George Park and Greenway and created a coalition to help found the new county park. She is a community environmental advocate and a tradition keeper and storyteller for the Muscogee Nation of Florida. She is also the Museum Director/Curator at Muscogee Nation Of Florida and an Education Specialist at WFSU Public Media.

RECEPTION

6:15 pm - 8:00 pm Oceanview Room

Evening Reception

Sponsored by:

Ed Analytics

Description: Please join us for the Thursday night reception, sponsored by Ed Analytics. All FERA attendees are welcome to attend the Thursday night reception. The event includes great food, cash bar, and conversation with educational researchers from across the state of Florida.

REGISTRATION

8:00 am — 11:00 am Atlantic Avenue Pre-Function

COFFEE BREAK

7:45 pm — 8:15 am Atlantic Avenue Pre-Function

Sponsored by:

University of South Florida

Please join us for a coffee break sponsored by the University of South Florida College of Education.

SYMPOSIUM IIII

8:15 am — 9:15 am Grand Salon 6

Effects of the Engagement in Authentic Water and Sanitation Research on Ghanaian High School Students and Teachers

- Allan Feldman, University of South Florida
- Kofi Acheaw Owusu, University of Cape Coast
- Sarina Ergas, University of South Florida
- Rita Ortiz, University of South Florida

PAPER SESSION: HIGHER EDUCATION CONTEXT AND POLICY

8:15 am — 9:15 am Grand Salon 7

Online EdD Program Graduates' Persistence for Engaging in Ongoing Practitioner Research

• Craig A. Mertler, Barry University & Atlantic Research Consultants

The Lived Experiences of Latina Leaders in a Hispanic Serving Institution

- Maysaa Barakat, Florida Atlantic University
- María Vásquez-Colina, Florida Atlantic University
- Marlynn Lopez, Florida Atlantic University
- Andrea Guzman, University of Central University

PAPER SESSION: SCHOOLING AND CHALLENGES

8:15 am — 9:15 am Grand Salon 8

Improvements in Academic Performance among Students Enrolled in a Statewide Virtual School during the COVID-19 Pandemic

- Lodi Lipien, Florida Virtual School
- April Fleetwood, Florida Virtual School
- Eric Holland, Florida Virtual School

Prioritizing Parental Preferences During a Pandemic: Politics and Parental Choice in Florida

Carolyn Herrington, Florida State University

The H.O.P.E. Circle: Using Youth Participatory Action Research to Address Youth Gun Violence in Central Florida

- L. Trenton S. Marsh, University of Central Florida
- Itunu Ilesanmi, University of Central Florida
- Jasmine D. Haynes, University of North Florida

Choice, Demographics and Mobility: Florida Tax-Credit Scholarship Program, 2011-2019

- Toby Park-Gaghan, Florida State University
- Paul Park, Florida State University
- Melissa Dyehouse, Florida State University
- Carolyn Herrington, Florida State University

INVITED SESSION

9:30 am — 11:00 am Grand Salon 1-4

Banned! Policies, Decisions, and Implications of Removing Books from Florida Schools

Panelists:

Dr. Aimee Frier, Teaching Faculty, Florida State University -- Panama City

Dr. Lindsay Persohn, Assistant Professor, University of South Florida

Dr. Jenifer Schneider, Professor, University of South Florida

Dr. Angela Schroden, Independent Scholar and Former K-5 Literacy Supervisor at Hillsborough County Schools

Chair:

Jennifer Wolgemuth, University of South Florida

Description: In April 2022, PEN America reported Florida had the 3rd highest number of banned books in the United States, behind only Texas and Pennsylvania. Across some of the largest school districts in the country, a total of 204 book banning instances included titles such as Isabell Allende's "House of Spirits," Margaret Atwood's "Handmaid's Tale," and Toni Morrison's "Bluest Eye." Common among many banned books is their inclusion of protagonists of color, treatment of race and racism, discussion of sexual violence, and highlight of LGBTQ+ themes

and characters. The decision to retain or remove books from preK-12 school libraries and classrooms in Florida is politically, legally, and professionally fraught, and ongoing. In some cases, the decision to remove books was reversed with options for parents to opt their children in or out of access. Panelists in this session share their expertise, perspectives, and first-hand experience with banning and banned books in Florida schools. Each panelist will give prepared remarks (10-12 minutes each), followed by facilitator and audience questions.

INVITED CLOSING SESSION

11:00 am — 12:00 pm Grand Salon 1-4

Florida Statewide K-12 Assessment Update

Speaker: Vince Verges, Florida Department of Education

Description: A representative from the Florida Department of Education will be presenting updates regarding the state's new K-12 assessments aligned to new content standards in English language arts and mathematics. Information will be provided on the design of the through-year assessment model used for these assessments, as well as information regarding the results of the beginning-of-year assessment.

FERA LUNCHEON

12:00 pm — 1:30 pm Grand Salon 5

Annual Business Meeting and Award Luncheon

Sponsored by: CAMBIUM & FERA

Please join us for our annual business meeting and awards luncheon. The luncheon is sponsored by CAMBIUM and FERA. During the luncheon, we announce the winner of each award; summarize the annual report of business activities; acknowledge the contributions of sponsors, volunteers, and active FERA members; and hold nominations and elections for leadership positions.

EXECUTIVE BOARD MEETING

1:45 am — 3:30 am Executive Boardroom B

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Teacher Inquiry Strand	Michelle Vaughan	Florida Atlantic University		
Audit	John Ferron	University of South Florida		
	Audra Kelly	University of South Florida		
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Educational Researcher of the Year Award	Robert Dedrick	University of South Florida		
Distinguished Paper Award	Süleyman Olgar	Florida Department of Education		
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^{*}Don Lambert was installed in January 1980. Annie Ward was installed in November 1980.

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NOTES