

Florida Educational Research Association

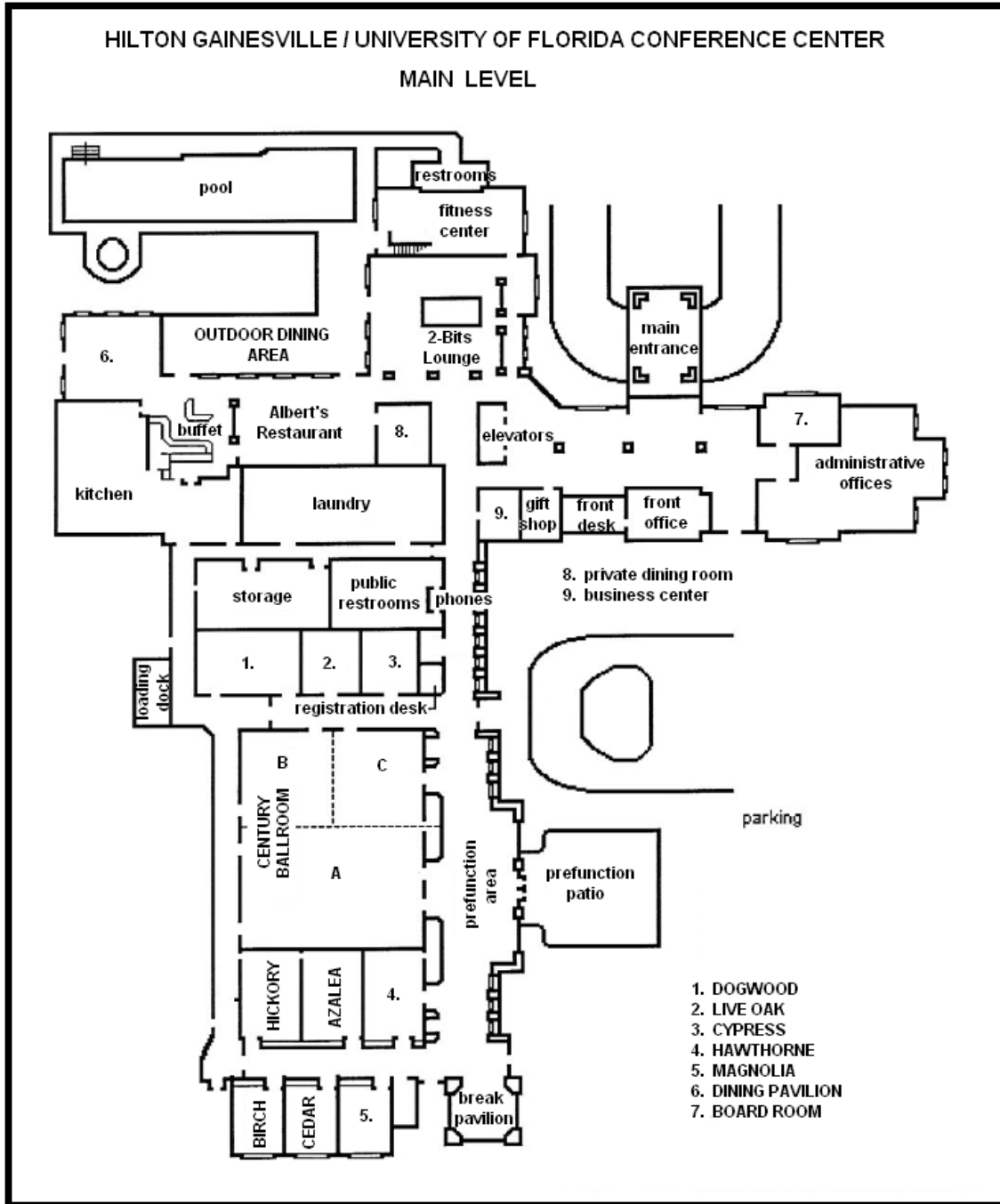
58th Annual Meeting



*Hilton University of Florida
Conference Center
Gainesville, Florida*

November 20-22, 2013

Hotel Floor Plan



REGISTRATION

8:00 AM – 5:00 PM Registration Desk

Pre-Conference Session

9:00 AM – 11:00 AM Dogwood

**Welcome Address
Sam Whitten, President**

**Statistical Data Mining with Applications in Education
Speaker: Morgan C. Wang, Ph.D., University of Central Florida**

Moderator: Wendy Dickinson, Ph.D., Ringling College of Art + Design

Dr. Morgan Wang is a Professor of Statistics (Department of Statistics) and serves as the Director of the Data Mining Program at the University of Central Florida, Orlando, Florida.

Description: Statistical data mining, a relatively new field, focuses on analyzing large volumes of observational data. Many techniques from fields such as data base management, artificial intelligence, machine learning and statistics are used together to solve problems. This field is different from traditional statistics in many aspects. In this presentation the focus will be on the difference between traditional statistical inference and data mining. Several case studies on college level educational data will be presented and the potential use of using data mining techniques to K-12 data will also be addressed.

Lunch Buffet

11:00 AM– 12:00 PM Pool Deck

Meet and Greet Opening Luncheon

(Ticket Required – Check at FERA Registration Desk)

Sponsored by:

College of Education

Florida State University

Opening Session – Sponsored by the Florida Department of Education

Challenges in Scaling and Equating of Tests Measuring Common Core Standards

**Speakers: Mark Reckase, Ph.D., Michigan State University
Craig Wells, Ph.D., University of Massachusetts**

Moderator: Salih Binici, Florida Department of Education

Dr. Mark Reckase is a distinguished professor in the Measurement and Quantitative Methods program at the Michigan State University. Dr. Reckase specializes in the development of educational and psychological tests, educational policy related to testing, and the psychometric theory that supports the assessment of cognitive skills and content knowledge.

Dr. Craig Wells is an associate professor in the Research and Evaluation Methods program at the University of Massachusetts. Dr. Wells' research interests center on the development and application of quantitative methods in the behavioral sciences.

Description: This session covers the scaling, linking, and equating of large scale assessments and focuses on challenges of scaling tests with various item types measuring complex constructs.

Sponsored Presentations

1:45 PM– 3:15 PM Dogwood

Presentation I (1:45 – 2:30)

Sponsored by Pearson

Psychometric Guidelines for Constructing Criterion-Referenced Large Scale Standardized Tests and Practices in the Educational Measurement Field

- Ahmet Turhan, Senior Research Scientist with Pearson
- Serena Lin, Senior Research Scientist with Pearson

Presentation II (2:30 – 3:15)

Sponsored by NWEA-Northwest Evaluation Association

How Learning Progress in Schools Can Be Measured and Leveraged for Improvement?

- Sherry DeSimone, Senior Account Executive, Northwest Evaluation Association
- Andy Hegedus, Senior Research Manager, Northwest Evaluation Association

Research on Schools and Accountability

1:45 PM - 3:15 PM Cypress

Elementary Principals' Use of Data: Social Comparison, Performance Goals, and Professional Development Goals

- Tim Pressley, Florida State University
- Elizabeth Brinkerhoff, Florida State University
- Erik Rawls, Florida State University
- Alysia Roehrig, Florida State University

Examining Raters Effects in Charter School Fund Applications with a Many-Facet Rasch Model

- Wei Xu, University of Florida
- David Miller, University of Florida
- Nancy Thornqvist, University of Florida

Self-Directed Faculty Focus Groups: A Novel Twist on a Tried and True Method

- Linda Gaughan, Hillsborough County Public Schools
- Julie McLeod, Hillsborough County Public Schools

How Much is Too Much? A Goal-Free Investigation into a Large District's Mandated Extended Reading Time Initiative

- Linda Gaughan, Hillsborough County Public Schools
- Julie McLeod, Hillsborough County Public Schools
- Samantha Hooper, University of South Florida

Teaching and Learning

1:45 PM – 3:15 PM

Live Oak

An initial Evaluation of the Intensified Algebra Course

- Theodore Dwyer, Hillsborough County Public Schools
- Donna DeSenna, University of Florida

Using a Virtual Learning Lab Designed Exclusively for Acceleration

- Bonnie Swan, University of Central Florida
- Angela Huang, University of Central Florida
- Yan Zhou, University of Central Florida

Turkish Teachers' Perceptions on New First Grade Curriculum Implementation

- Duygu Cetin-Berber, Florida Atlantic University
- María D. Vásquez-Colina, Florida Atlantic University

Educational Ventures Into Extended Day: An Initial Evaluation of Ed-Venture

- Theodore Dwyer, Hillsborough County Public Schools
- Jenifer Neale, Hillsborough County Public Schools

Analyzing K-12 Student Learning Gains to Evaluate the ESOL Infusion Model: Preparing Teacher Candidates to Teach English Learners

- Matthew R. Lavery, University of Central Florida
- Alison M. Youngblood, University of Central Florida

Coffee Break

3:15 PM– 3:45 PM

Prefunction Area

Coffee Break

Sponsored by:

**Sherry DeSimone, Senior Account Executive, and
Andy Hegedus, Data Analytics Manager**

Northwest Evaluation Association

Sponsored Presentation (3:45 – 4:15)

3:45 PM – 5:30 PM Dogwood

Sponsored by Scantron

Estimating Teacher Effects: How and Why

- Libbie Miller, Senior Research Manager with Scantron

This session discusses measuring teacher/school effectiveness via value-added modeling (VAM) techniques using data from Scantron’s Performance Series (PS) testing system. Participants will: (1) understand the fundamental concepts and issues behind the development of VAM; (2) explore different model specifications using PS test data; and (3) understand the strengths and limitations of VAM.

Featured Address (4:15 – 5:30)

State Standardized Assessments—Updates on Assessment Options

Speaker: Vince Verges, Assessment Director, Florida Department of Education

Moderator: Betsy Becker, Ph.D., Florida State University

Vince Verges is the state assessment director. He has served as Partnership for the Assessment of Readiness for College and Careers (PARCC) Implementation Director for Florida. He has overall responsibility for working with the Florida Department of Education and other state staff to ensure Florida’s readiness for the implementation of the Common Core assessments in the 2014-2015 school years. Vince also serves on PARCC’s Leadership Team along with state agency staff from other PARCC states to design and develop the PARCC assessments and work with PARCC contractors. His prior background in education includes high school mathematics curriculum and instruction, as well as overall responsibility for FCAT and Florida’s End-of-Course test development.

Description: Vince Verges will describe the status of Common Core Summative Assessments in the state of Florida. Common Core Summative Assessments are scheduled to replace the current Florida assessments in Reading, Writing, and Mathematics in the 2014-2015 school year, and updates will be provided on the efforts to prepare for the transition.

Cognitive Diagnostic Models

3:45 PM – 5:30 PM

Live Oak

Application of the Fusion Model for Cognitive Diagnostic Assessment with Non-diagnostic Algebra-Geometry Mathematics Test Data

- Robert H. Fay, University of South Florida

Parameter Estimation of Cognitive Attributes using the Crossed Random-Effects Linear Logistic Test Model: An Empirical Investigation of Accuracy and Precision

- Chunhua Cao, University of South Florida
- Yi-Hsin Chen, University of South Florida
- George Macdonald, University of South Florida
- Isaac Li, University of South Florida

A comparison of IRT and GDM methods for Validating a Q-matrix: An Empirical Study of a Reading Comprehension Test

- Isaac Li, University of South Florida
- Yi-Hsin Chen, University of South Florida
- Elizabeth Shaunessy-Dedrick, University of South Florida
- Chunhua Cao, University of South Florida

Research with Quantitative Techniques

3:45 PM – 5:15 PM Cypress

The Performance of Genetic Matching to Reduce Selection Bias in Observational Studies: A Monte Carlo Simulation Study

- Seyfullah Tingir, Florida State University
- Walter Leite, University of Florida

A Bayesian Hierarchical Mixture Approach to Model Timing Data with Application to Writing Assessment

- Tingxuan Li, Florida State University
- Russell Almond, Florida State University

The Math Test Anxiety Scale for College Students

- Gonca Gul, Florida State University
- Gertrudes Velasquez, Sacred Heart Junior College
- Umit Tokac, Florida State University

Evaluating the Effectiveness of ESOL Endorsement Program for One Large School District in North East Florida

- Yakup Bilgili, Florida State College at Jacksonville

Methodological Experimentation and Qualitative Research Designs

Speakers: Mirka Koro-Ljungberg, Ph.D., University of Florida

Jennifer R. Wolgemuth, Ph.D., University of South Florida

Moderator: Albert Ritzhaupt, University of Florida

Mirka Koro-Ljungberg is a Professor of qualitative research methodology at the University of Florida. Her research focuses on various conceptual and theoretical aspects of qualitative inquiry and participant-driven methodologies including the promotion of epistemology and the role of knowledge in qualitative research, validity in qualitative research, and the development of situated methodologies.

Jennifer R. Wolgemuth is an Assistant Professor of Educational Research at the University of South Florida where she teaches doctoral and master's level research design and qualitative research classes. Her scholarship focuses on the unintended and messy outcomes of social science research, including its personal and social impacts on researchers, participants, and those who shepherd research evidence into policy and practice.

Description: In this interactive workshop participants will learn about methodological alignment (connections between epistemologies and design components) and different ways to design a thoughtful qualitative study. Instead of using only familiar methods we encourage participants to engage in methodological experimentation and ongoing methodological learning in order to expand their design options. More specifically, we will offer an introduction to qualitative research design and qualitative research process and then participants' are instructed to experiment with different research designs in theoretically informed ways. We also encourage participants to bring their own research questions and design plans to the session if possible so that they can receive both instructor and peer feedback on their designs and methodologies.

Reception

7:00 PM – 8:30 PM Dining Pavilion

Evening Reception

Hilton Dining Pavilion
(in Albert's Restaurant)

Sponsored by:

Laura Bresko, President and CEO
Brenda Bartholomew, District Liaison
PROGRESS TESTING, INC.

and

Jeff Skene, Strategic Development Consultant
THINKGATE

REGISTRATION

8:00 AM - 4:00 PM Registration Desk

Coffee Break

8:00 AM– 8:45 AM Prefunction Area

Coffee Break

Sponsored by:

**Phillip Adam, Assessment Solutions Consultant, and
Stephanie Seemann, Senior Assessment Sales Representative**

CTB

Symposium

8:45 AM – 10:15 AM Dogwood

Developing Common End of Course Assessments among Collaborating School Districts: An Ongoing Challenge to Meet the State Requirement for 2014-2015

- Heather Peltier Wright, Osceola County School District
- Catherine Simmons, AVID Center
- Margaret Gamble, Bay County School District
- John Carr, Brevard County School District
- Gillian Gregory, Leon County School District
- Renee Foran, Pinellas County School District
- J. Eric Erhart, Polk County School District
- Alicia Parker, Volusia County School District

Differential Item Functioning

8:45 AM - 10:15 AM Live Oak

Examining the Impact of Random DIF and DTF Magnitudes in Polytomous and Dichotomous Items on Score Equity Concerns of Equating

- Sungur Gurel, University of Florida
- Anne Corinne Huggins, University of Florida

The Measuring Information Communication and Technology (ICT) Literacy of Middle Grade Students in Florida

- Anne Corinne Huggins, University of Florida
- Albert Ritzhaupt, University of Florida
- Kara Dawson, University of Florida

The DIF Detection across Two Methods of Defining Group Comparisons: Pairwise and Composite Group Comparisons

- Halil Ibrahim Sari, University of Florida
- Anne Corinne Huggins, University of Florida

Relationship between DIF Location and Conditional Equating Dependence Issues

- Anne Corinne Huggins, University of Florida
- Randall D. Penfield, University of North Carolina at Greensboro

Research in Higher Education

8:45 AM – 10:15 AM Cypress

Student Degree or Certificate Completion in Community Colleges: An Examination of a Conceptual Framework

- Hongwei Yu, University of Illinois at Urbana-Champaign
- Dale Campbell, University of Florida

Graduate Students' Experiences of Peer Leadership in Cohort Models

- Sister Ellen Rice, Barry University
- Priva Fischweicher, Barry University
- Carmen McCrink, Barry University

Using Peer Assessment among Pre-service Teachers

- Maria D. Vasquez-Colina, Florida Atlantic University
- Marianne Robin Russo, Florida Atlantic University
- Mary G. Lieberman, Florida Atlantic University
- John D. Morris, Florida Atlantic University

Apprenticeship Program: Encouraging Coalitions Where Constituent Groups Can Work Together to Put Ideas Into Action

- Daniel Reyes-Guerra, Florida Atlantic University
- Marianne Robin Russo, Florida Atlantic University
- Maria Vasquez-Colina, Florida Atlantic University

Research on Teachers

8:45 AM - 10:15 AM Birch

Summer Teacher Institute: Art, Exploration, and Professional Development

- Wendy B. Dickinson, Ringling College of Art + Design
- Bruce W. Hall, University of South Florida
- Sharon Valente, Marymount California College
- Diane Zorn, Ringling College of Art + Design

Careers as Cartographies: Reimagining Distributed Leadership

- Jasmine Ulmer, University of Florida
- Mirka Koro-Ljungberg, University of Florida

Florida Teachers' Knowledge and Perceptions about Student Learning Growth, Assessment, and the Florida Value-Added Model

- Jacquelin W. Cocke, Florida State University

Literacy Coaching in Secondary Schools: A Review of the Literature

- Erin E. Margarella, University of South Florida

Coffee Break

10:15 AM– 10:30 AM Prefunction Area

Coffee Break

Sponsored by:

Shari Holtmeier, Account Manager

United Data Technologies (UDT)

General Session

10:30 AM – 12:00 PM Century B & C

Florida's Value-Added Model

Speakers: Kathy Hebda, Chief of Staff, Florida Department of Education

Eric Larsen, Ph.D, American Institute of Research

Moderator: Sam Whitten, Hillsborough County Public Schools

Dr. Eric Larsen is a Senior Economic Researcher at American Institutes for Research, specializing in the economics of education and quasi-experimental model design and analysis. He currently provides technical support for the value-added modeling components of several projects. Prior to joining AIR, Eric was a research fellow at Public Policy Institute of California, where he focused on the economics of public education, particularly school accountability programs, the relationship between school resources and student achievement, and labor markets for teachers and administrators. Eric has experience both as a researcher and as a practitioner, having taught middle school English in California public schools for eight years. He holds a M.Ed. from the University of California, Los Angeles, and a Ph.D. in economics from the University of California, Davis.

Description: Dr. Larsen will present the history of the Value-Added Model in use in the state of Florida, including the reasons for inclusion or exclusion of specific variables. He will provide information on the status of the information collected to date, including modifications that have been made to the model after the initial year of implementation.

Dr. Larsen will also provide information with regards to the interpretation of the scores that are being provided and their use in districts throughout Florida.

LUNCH ON YOUR OWN

12:00 PM - 1:30 PM On Your Own

FERA Graduate Student Business Meeting Luncheon

Sponsor: Bruce Hall, Ph.D.

Graduate Student Coordinators: Matthew R. Lavery, University of Central Florida and Sungur Gurel, University of Florida

Invited Speakers:

Mirka Koro-Ljungberg, Professor of Qualitative Research, School of Human Development and Organizational Studies in Education College of Education, University of Florida.

Lee Baldwin, Associate Professor of School of Teaching, Learning, and Leadership in College of Education and Human Performance, University of Central Florida.

Poster Sessions

1:30 PM – 3:00 PM

Azalea

Examining the Influence of Maternal Education on Parenting Beliefs about Preschool Children's Academic and Social Development

- Pamela W. Burris, Florida State University
- Smriti Jangra, Florida State University
- Beth Phillips, Florida State University
- Christopher Lonigan, Florida State University

What Social Networks Have the Biggest Influence on the College Choice Process of Latina/o Students?

- Griselda Flores, University of Florida
- Francisco Jimenez, University of Florida

Understanding the Effects of Social/Behavioral Skills and Parent Involvement-School on Early Academic Achievements: Findings from the Early Childhood Longitudinal Study

- Youn Ah Jung, Florida State University

Testing Two Population Means: Variance Heterogeneity and Non-Normality

- Anh Kellermann, University of South Florida
- Patricia Rodríguez de Gil, University of South Florida
- Diep Nguyen, University of South Florida

- Eun Sook Kim, University of South Florida
- Yi-Hsin Chen, University of South Florida
- Jeffrey D. Kromrey, University of South Florida

An Empirical Comparison of Seven Effect Size Indices for Dichotomized Outcomes

- Isaac Li, University of South Florida
- Patricia Rodríguez de Gil, University of South Florida
- Jeanine Romano, University of South Florida
- Aarti P. Bellara, University of South Florida
- George MacDonald, University of South Florida
- Harold Holmes, University of South Florida
- Patrice Rasmussen, University of South Florida
- Yi-Hsin Chen, University of South Florida
- Jeffrey D. Kromrey, University of South Florida

An Empirical Comparison of the Accuracy and Precision of Confidence Intervals for the Difference between Correlated Proportions in Dependent Samples

- Patricia Rodríguez de Gil, University of South Florida
- Eun Sook Kim, University of South Florida
- Jeanine L. Romano, University of South Florida
- Thanh Pham, University of South Florida
- Diep Nguyen, University of South Florida
- Jeffrey D. Kromrey, University of South Florida

Examining the Benefits of Synchronous Enhanced Learning in Distance Education

- Kimberly M. Wheeler, University of South Florida
- Kristine Y. Hogarty, University of South Florida
- Ann E. Barron, University of South Florida

An Empirical Study on the Acceptance of the Siting Proposal of a Hazardous Facility: The Mediating Effects of Participation Education and Trust in Local Government

- Jiwon Nam, Florida State University

The impacts of Educational Computer Games on Students' Mathematics Achievement in Elementary and Secondary Schools: A Meta-Analysis

- Ahmet Serhat Gozutok, Florida State University
- Zhongtian Lin, Florida State University

NOTE: Posters will be on display from 12:15 PM to 5:00 PM.

Race to the Top Assessments

Speaker: Todd Clark, Director, Florida Department of Education

Moderator: Donna Buckner, Director, Our Children's Organization

Todd Clark is a Florida native and a graduate of the School District of Palm Beach County. Mr. Clark completed his undergraduate work at Duke University in Electrical Engineering and received a Master's degree in Natural Science from Rensselaer Polytechnic Institute. After eight years as an Engineering Duty Officer for the US Navy, Mr. Clark began his career in education as a high school science teacher in North Carolina as part of the Troops to Teachers program. In 2001, he was selected as an Albert Einstein Distinguished Educator Fellow and worked with science outreach programs for teachers and undergraduates with the US Department of Energy. He served as the Bureau Chief for the Bureau of Curriculum and Instruction at the Florida Department of Education before taking his current position as the Director of Race to the Top Assessments for the Division of Accountability, Research, and Measurement. His wife, Kathy, is an Associate Professor of Mathematics Education at Florida State University.

Description: Todd Clark, Director, Office of Race to the Top Assessments, will be discussing Florida's Race to the Top initiatives related to the creation of assessments. His presentation will include an update on the progress with:

- The development of high-quality interim assessment items and assessments in English/Language Arts, Mathematics, Science, Social Studies, and Spanish stored in an item bank and test platform for districts, schools, and teachers.
- The creation of high-quality assessments for hard-to-measure content areas
- Florida participation in three international assessments: TIMSS, PIRLS, and PISA

Symposium (1:30 – 2:30)

1:30 PM – 3:30 PM Cypress

A Focus on Medical Education: The Critical Role of Medical Students in the Changing Healthcare Landscape

- Joel Bryant Goodin, Florida State University
- Mary Johnson, Des Moines University
- Vanessa M. D’Brot, Florida State University
- Dana G. Carroll, Maryville University

Sponsored Presentation (2:30 – 3:30)

Sponsored by Progress Testing, Inc.

Progress Testing—Student Growth Network

- Laura Bresko, CEO, Progress Testing
- Kevin Campbell, ItemLogic

Research with Qualitative Techniques

1:30 PM - 3:00 PM Live Oak

Various uses of triangulation and reflexivity in qualitative research

- Mirka Koro-Ljungberg, University of Florida

Global Engagement on Campus: Domestic Students’ (De)motivations to Interact with their International Peers

- Uttam Gaulee, University of Florida

Epistemological Beliefs and Visions of Scientific Literacy

- Milton Huling, University of South Florida
- Dana Zeidler, University of South Florida

Constructivist Study of Graduate Students’ Health Care Experiences

- Uttam Gaulee, University of Florida
- Brenda Lee, University of Florida
- Natalie Khoury Ridgewell, University of Florida
- Colleen Butcher, University of Florida
- Mirka Koro-Ljungberg, University of Florida
- Douglas Whitaker, University of Florida
- Fatima Almazam, University of Florida
- Orhan Kaplan, University of Florida
- Dayna M. Watson, University of Florida

Structural Equation Modeling

1:30 PM – 3:00 PM Birch

A confirmatory factor analysis of the BASC–2 Behavioral and Emotional Screening System Student Form Using a High-Achieving Student Sample in a southeastern state

- Diep Thi Nguyen, University of South Florida
- Robert F. Dedrick, University of South Florida
- Thanh V. Pham, University of South Florida
- Shannon M. Suldo, University of South Florida
- Isaac Li, University of South Florida
- Elizabeth Shaunessy-Dedrick, University of South Florida

Scale Reliability for Items with Ordered Categorical Responses

- Yanyun Yang, Florida State University

Comparing Full Information Maximum Likelihood with Multiple Imputation for Binary Data

- Yan Xia, Florida State University
- Yanyun Yang, Florida State University

Examination of the Performance of Model-Data Fit Indices in BSEM

- Mengyao Cui, Florida State University
- Yanyun Yang, Florida State University

Coffee Break

3:00 PM– 3:30 PM Prefunction Area

Coffee Break

Sponsored by:

Matthew R. Lavery, VP Educational Services

GSE Educational Services, LLC

Demonstrating and Discussing TeachLivE**Speakers: Michael Hynes, Ph. D., University of Central Florida****Carrie Straub, Ph. D., University of Central Florida****Moderator: Bonnie Swan, Ph.D., University of Central Florida**

Dr. Michael Hynes is a Pegasus Professor and Director for School of Teaching and Learning at the University of Central Florida. Dr. Hynes professional interests relate to mathematics education, science education, the use of technology in instruction, problem solving, and improving the preparation of teachers. He has been very active in obtaining external funding for research. He has received over \$4,000,000 in funding in the last ten years. Dr. Hynes recently directed a joint project of NASA and the National Council of Teachers of Mathematics, Mission Mathematics, that resulted in three books for teachers of mathematics.

Dr. Carrie Straub is the Research Director of TeachLivE National Research Project. In this role, she plans, directs, and coordinates activities for national research project funded at \$1.5M by the Bill & Melinda Gates Foundation at the University of Central Florida on TeachLivE, the virtual classroom. This project will impact 600 practicing teachers across the country in collaboration with 30 university/school district partnership sites.

Description: Simulated classrooms across the country are creating new, authentic learning environments for teacher professional development. This session will highlight an immersive, mixed-reality computer simulated classroom, TeachLivETM, used for teacher professional development. TeachLivE is currently part of a national research project funded by the Bill & Melinda Gates Foundation. The project focuses on using the simulator to develop high leverage teacher practices that will support student achievement in the Common Core standards in a compressed amount of time, without putting real students at risk. In this General Session, users will see and interact with 5 middle school avatars in real-time experiencing “suspension of disbelief” and will learn about integrated video coding software that can be used for education research.

Evening Reception

Samuel P. Harn Art Museum

Sponsored by:

Roy Ellis, Market General Manager—Florida and Puerto Rico, State Services
Assessment & Information Group

Andrew Messenger, Vice President—Pearson State Services
Assessment & Information Group

Michael Keeton, Measurement Specialist—Florida and Puerto Rico
Learning Assessments

PEARSON

Hosted by:

College of Education
UNIVERSITY OF FLORIDA

REGISTRATION

8:30 AM – 10:00 AM Registration Desk

General Session

9:00 AM – 10:30 AM Century B & C

The Use of Propensity Score Matching to Reduce Selection Bias in Multilevel Designs

Speaker: Walter Leite, Ph.D., University of Florida

Moderator: Ina Helmick, Hillsborough County Public Schools

Dr. Walter Leite is an Associate Professor in Research and Evaluation Methodology program at the University of Florida (UF). He also serves as a lead statistician for the evaluation team of the Laster Center for Learning at UF, where he is responsible for estimating the effect of school and teacher improvement programs on student performance in Florida's state-wide achievement tests across multiple years.

His research focuses on statistical modeling of data from longitudinal studies, with a particular interest in large longitudinal surveys. The goal of his research is to advance the applicability of Structural Equation Modeling (SEM) and multilevel modeling to longitudinal datasets. This goal has led Dr. Leite to examine methodological issues related to: 1) Growth models for longitudinal data; 2) Estimation of nonlinear effects; and 3) Response bias and measurement error.

Description: Dr. Leite will present on methods to combine propensity score matching with multilevel modeling to reduce selection bias in estimates of the effects of non-randomly assigned treatments in longitudinal studies.

Psychometric Studies

10:45 AM – 12:15 PM Dogwood

Designing a Common Core State Standards Interim Diagnostic Math Assessment

- Sandy DeSchinckel, Pearson
- June Campbell, Florida Department of Education
- Tim O’Neil, Pearson

Designing Large-scale English Language Arts/Literacy Assessments: Considering Accessibility while Increasing Rigor

- Tiffany Hartmann, Pearson
- Renn Edenfield, Florida Department of Education
- Ahmet Turhan, Pearson

Generalizability Theory in the Development of a Performance Assessment for a Clinically-Based Mathematics Methods Course

- Sarah van Ingen, University of South Florida
- Amanda Mohn, University of South Florida
- Elaine Cerrato Fisher University of South Florida

The Development and Validation of Measures of Teachers’ Science Knowledge and Teaching Practices Collected through Surveys and Classroom Observations

- Jaime Maerten-Rivera, University of Miami
- Karen Adamson, University of Miami
- Anne Corinne Huggins, University of Florida

Sponsored Presentation

10:45 AM – 12:15 PM Cypress

Sponsored by Pearson

How to Measure Critical Thinking, Collaborative Problem Solving, and Creativity

- Yigal Rosen, Senior Research Scientist with Pearson
- Maryam Tager, Senior Research Scientist with Pearson

Statistical Methods/Meta Analysis

10:45 AM – 12:15 PM Live Oak

“Meta-analytic Path Analysis – A Real Example Using Three Approaches”

- Ying Zhang, Florida State University

Combining Slopes from Studies with Different Regression Models Using Inverse Variance Weighting

- Sanghyun Jeon, Florida State University
- Betsy Jane Becker, Florida State University

The Effects of Multicollinearity and Validity Concentration on Prediction Accuracy in Multiple Regression

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

FERA Luncheon

12:30 – 2:00 PM Century B & C

**Annual
Business Meeting
and
Awards Luncheon**

Sponsored by:

Tim Butterfield, Regional Vice President of Sales, and
Michael Adkins, Education Account Executive

SCANTRON

BOARD MEETING

2:15 PM– 3:00 PM Birch

In Memory
of
Russell P. Kropp
1927 – 2012

Russell P. Kropp was born in Tamaqua, Pennsylvania on July 11, 1927. He served in the U. S. Navy during World War II and later served in the U. S. Air Force. He received a research doctorate from the University of Illinois in 1953, and came to Tallahassee that year to accept a faculty position at Florida State University. During the next 42 years he served in a variety of faculty and administrative positions at FSU, spending many of those years associated with the Department of Educational Research and Testing within the College of Education. Professor Kropp retired from the university in 1995. He died on April 18, 2012.

He is credited with having conceptualized the purpose and function of FERA, and was a leader in the effort to establish FERA as a state-wide professional organization, circa 1956. Under his guidance, FERA was instituted on the premise that the myriad concerns facing schools are amendable to orderly, systematic inquiry, and that such inquiry can be nurtured and sustained through the collegial association of state and district-based educators, university professors and personnel in private and non-profit educational agencies. Dr. Kropp was the first editor of the *Florida Journal of Educational Research*, serving in that capacity from 1959 to 1964. He was one of only three individuals ever to serve twice as President of FERA, leading the organization as its first President in 1958-59 and again in 1982-83. Dr. Kropp has been an honorary member of the Florida Educational Research Association (FERA) since 1985.

FERA honored him by bestowing an annual award in his name. According to FERA By-Laws, the Russell P. Kropp Award is given “to recognize a policy maker or administrator engaged in education in the State of Florida who has demonstrated in an exemplary fashion the use of educational research or evaluation in educational decision making.” Asked in 1999 about the role he played in the development of FERA, he replied “. . . it enriched my life. . . . I always thought it was a noble and good work.”

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