### FLORIDA EDUCATION FUND

#### RESEARCH THAT IMPACTS POLICY AND PRACTICE

February 28-March 1, 2014  
Tampa Airport Marriott Hotel  
4200 George J. Bean Parkway, Tampa, FL 33607

*Lawrence Morehouse, Ph.D.*  
President and CEO  
Convener

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**FRIDAY, FEBRUARY 28, 2014**

To assist you in finding meeting rooms, we include a map of the Tampa Airport Marriott Hotel on page 3.

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<td>12:00 P.M.</td>
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| 1:00 - 2:20 P.M. | Grand Ballroom East          | **SESSION 1**  
Writing the Prospectus and Dissertation  
*Dr. Marvin Dawkins*, Professor, Department of Sociology, University of Miami  
*Dr. Mohsen Milani*, Executive Director, USF World Center for Strategic and Diplomatic Studies and Professor, Department of Government and International Affairs, University of South Florida |
| 2:30 - 3:45 P.M. | Lee Room                      | **SESSION 2**  
How to Prepare for the Comprehensive Exam  
*Dr. Iraida Carrion*, Associate Professor, School of Social Work, University of South Florida  
*Dr. Sylvia Thomas*, Assistant Professor, Department of Electrical Engineering, University of South Florida |
| 6:30 - 9:00 P.M. | Grand Ballroom West            | DINNER & ENTERTAINMENT  
*Ms. Clara Fernandez*, Musician |

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**MDF TIPS**

- Please note tips on writing for publication presented throughout the program book.
**SATURDAY, MARCH 1, 2014**

8:00 A.M. ~ Grand Ballroom Foyer

**REGISTRATION/BREAKFAST**

8:45 - 9:05 A.M. ~ Grand Ballroom East

**OPENING SESSION**

Introduction of Discussants
- **Dr. Lawrence Morehouse**, President and CEO, FEF

9:15 - 10:30 A.M. ~ Collier Room

**PANEL 1 — EDUCATION**

Addressing the Challenges of College Readiness and the Development of Culturally and Gender Relevant STEM Curricula
- **Vernita Glenn-White**, Panel Chair, UCF (2011), Education
- **Natalie King Williams**, UF (2012), Education, “STEAMing: Parents’ Voices about Mentoring Experiences for Underrepresented Populations in a Summer Enrichment Program”

Discussants (15 minutes)

- **Dr. Rosa Cintrón**, Associate Professor, Department of Education and Human Sciences, University of Central Florida
- **Dr. Cyndia Morales**, Assistant Director of Multicultural Academic & Support Services, and Adjunct Professor, College of Education, University of Central Florida
- **Dr. Tom Owens**, Director of the Center for Educational Research and Development, University of Central Florida

Audience – Q&A (10 Minutes)

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**MDF WRITING TIP**

- Set a goal to write at least 15 minutes every day. It will generate material and improve your writing. Know that a successful writing session may consist of producing one true sentence. Keep unused material for possible later use.

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9:15 - 10:30 A.M. ~ Lee Room

**PANEL 2 — HISTORY**

An Eclectic Retrospective on the Response to Cholera in Cuba, Mexican Historiography and the Politics of Traditional African Art
- **Hadassah St. Hubert**, Panel Chair, UM (2011), History
- **Carlos Hernandez**, UF (2008), History, “Justo Sierra and the Invention of Mexican Historiography: A Conceptual History of Independence”

Discussant (15 minutes)

- **Dr. Natanya Duncan**, Assistant Professor, Department of History & Geography, Morgan State University

Audience – Q&A (10 Minutes)

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9:15 - 10:30 A.M. ~ Pinellas Room

**PANEL 3 — PHYSICAL SCIENCES**

In the Forefront: The Use of Advanced Technologies and Creative Methodologies in Chemistry
- **Otonye Braide**, Panel Chair, UF (2013), Chemistry, “Characterizing Pulmonary Surfactant Peptide and Lipid Interactions with Various Spectroscopic Techniques”
- **Jean Calderon**, UCF (2013), Chemistry, “Carbon/Polymer Derived Ceramics (PDCs) Nanofibers of Polyacrylonitrile/Oligosilazane Composite”

Discussants (15 minutes)

- **Dr. Edward Turos**, Professor, Department of Chemistry, University of South Florida
- **Dr. Verian Thomas**, Interim Assistant Vice President for Research & Dean for Graduate Studies, Florida A&M University

Audience – Q&A (10 Minutes)
PANEL 4 — HEALTH & MEDICAL SCIENCES I
Findings in the Prevention of Cancer, Sexually Transmitted Infections, and Sexual Risk Behaviors
- Dana Smith-Farrell, Panel Chair, FIU (2010), Public Health
- Nadine Nelson, USF (2013), Molecular Medicine, “The Role of Ikaros in T cell Homeostasis and Function in a Murine Pancreatic Cancer Model”
- Vito Rebecca, USF (2013), Microbiology, “Inhibition of Autophagy Enhances the Effects of the AKT Inhibitor MK-2206 When Combined with Paclitaxel and Carboplatin in BRAF Wild-Type Melanoma.”
Discussants (15 minutes)
- Dr. Diane Allen-Gipson, Assistant Professor, Department of Pharmaceutical Sciences, University of South Florida
- Dr. Umesh Jinwal, Assistant Professor, Department of Pharmaceutical Sciences, University of South Florida
- Dr. Keisha John, Assistant Dean of the Graduate School, Florida State University
Audience – Q&A (10 Minutes)

PANEL 5 — ENGINEERING I
Analyzing Information Gathered From Wireless Sensory Networks for the Purpose of Improving Network Security and Performance
- Melvin McCray, Panel Chair, UF (2011), Mechanical Engineering
- Darsan Patel, UF, Mechanical Engineering, “Estimating Road Disturbance Using MPC to Enhance Control of Suspension System”
Discussants (15 minutes)
- Dr. Carl Crane, Professor of Mechanical Engineering, University of Florida
- Dr. Sylvia Thomas, Assistant Professor, Department of Electrical Engineering, University of South Florida
- Dr. Claude Villiers, Associate Professor, Department of Mechanical and Aerospace Engineering, Florida Gulf Coast University
Audience – Q&A (10 Minutes)
PANEL 6 — PSYCHOLOGY I
Promoting Healthy Behaviors: Parent-Child Interactive Therapy, Social Deficits and Chronic Tic Disorders, and Victimization and Motivation of Gifted Students

• Danielle Lespinasse, Panel Chair, UF (2010), Psychology
• Carmen Edwards, UF (2010), Psychology, “From the Clinic to the Classroom: The Generalization of Parent-Child Interaction Therapy Treatment Effects”
• Joe McGuire, USF (2010), Psychology, “Social Deficits in Children with Chronic Tic Disorders: Phenomenology, Clinical Correlates and Quality of Life”
• Marcia Saintil, FSU (2009), Psychology, “Peer Victimization: A Closer Look at Gifted High School Students and the Relationship Among Early Social Experiences, Self-Esteem, Belongingness, & Loneliness”
• Benetta Wholuba, FSU (2004), Psychology, “Examination of the Motivation for Learning of Gifted and Non-gifted Students”

Discussants (15 minutes)

- Dr. Darshon Anderson, Assistant Professor, Department of Psychology and Counseling, University of Central Arkansas
- Dr. Duane Dede, Clinical Professor, Department of Clinical and Health Psychology, University of Florida

Audience – Q&A (10 Minutes)

PANEL 7 — ENGINEERING II
ENGINEERING: Climate Change, the Water-Energy Nexus and Cell Behavior

• Pablo Cornejo-Warner, Panel Chair, USF (2012), Environmental Engineering
• Stephen Arce, UF (2010), Environmental Engineering, “Cell Boundaries in Riemann Manifolds”
• Sanaa Jaman, UF (2010), Environmental Engineering, “Prediction of Granular Activated Carbon Performance for Taste and Odor Causing Compounds”
• Mark Santana, USF, Environmental Engineering, “Influence of Water Quality on the Embodied Energy of Drinking Water Treatment”
• Carlos Tamayo, FIU (2012), Environmental Engineering, “Sustainable Adaptation Strategies to Sea Level Rise and Other Climate-Change Driven Effects for Infrastructure in Urbanized Coastal Communities”

Discussants (15 minutes)

- Dr. Maya Trotz, Associate Professor, Department of Civil and Environmental Engineering, University of South Florida
- Dr. Qiong Zhang, Assistant Professor, Department of Civil and Environmental Engineering, University of South Florida

Audience – Q&A (10 Minutes)

PANEL 8 — PSYCHOLOGY II
Clinical Psychology: An Examination of College Acculturation, Sedentary Behaviors, and Identity Development among Hispanics

• Liz Rojas, Panel Chair, USF (2011), Psychology
• Marissa Alert, UM (2011), Clinical Psychology, “Physical Activity and Sedentary Behavior in Hispanic Adolescents: Associations with Self-Efficacy, Weight Misperception, and Body Mass Index”
• Alan Meca, FIU (2012), Psychology, “Ethnic and American Identity Development in Recently Immigrated Hispanic Adolescents”

Discussants (15 minutes)

- Dr. Duade Dede, Clinical Professor, Department of Clinical and Health Psychology, University of Florida
- Dr. LaRicka Wingate, Associate Professor, Department of Psychology, Oklahoma State University
10:40 - 11:55 A.M. ~ Pinellas Room

PANEL 9 — BUSINESS
Doing Business at the Interception of Technology and Sustainability
• Rebecca Perren, UCF (2010), Marketing, “The Next Generation of Peer-to-Peer Marketplaces: Conceptualizing the Dynamic Interaction Between Firms and Consumers in Facilitating Exchanges”
• Phelian Davis-Culler, FAU (2008), Accounting, “Investors’ Use of Environmental Sustainability Disclosures”

Discussants (15 minutes)
- Dr. Bruce Lamont, Thomas Williams Eminent Scholar in Strategic Management, College of Business, Florida State University
- Dr. Carolyn Massiah, Assistant Marketing Professor, College of Business, University of Central Florida

Audience – Q&A (10 minutes)

10:40 - 11:55 A.M. ~ Sarasota Room

PANEL 10 — HEALTH & MEDICAL SCIENCES II
Understanding and Combating the Pathogenesis of Neurological and Cancerous Disease States with the Use of Both Synthetic and Naturally Occurring Drugs
• Jana Miles, Panel Chair, FAMU (2012), Pharmaceutical Sciences
• Maryam Agharahimi, FAMU (2013), Pharmaceutical Sciences, “Detrimental Effects of Cocaine on Rat C6 Glial Cells via Inflammation”
• Makini Duval, FAMU (2004), Pharmaceutical Sciences, “The Antioxidant Effects of Thymoquinone in Lipopolysaccharide (LPS)-Activated BV2 Murine Microglia Cells”
• Laurin Pacheco, UM (2013), Biochemistry, “Progerin Expression Significantly Disrupts Basic Adult Mesenchymal Stem Cell Functions”

Discussants (15 minutes)
- Dr. Diane Allen-Gipson, Assistant Professor, Department of Pharmaceutical Sciences, University of South Florida
- Dr. Umesh Jinwal, Assistant Professor, Department of Pharmaceutical Sciences, University of South Florida
- Dr. Keisha John, Assistant Dean of the Graduate School, Florida State University

Audience – Q&A (10 Minutes)

10:40 - 11:55 A.M. ~ Broward Room

PANEL 11 — PHYSICAL SCIENCES II
Earth and Environment: The Effective Use of Natural Resources
• David Lagomasino, Panel Chair, FIU (2013), Earth & Environment, “Connecting Groundwater and Surface Water Sources in Groundwater Dependent Coastal Wetlands I and Estuaries: Sian Káan Biosphere Reserve, Quintana Roo, Mexico”
• Megan Brown, UF (2013), Natural Resources, “Effects of Disturbance Intensity on Wet Prairie Vegetation Dynamics after Feral Hog (Sus scrofa) Disturbance”

Discussants (15 minutes)
- Dr. Edward Turos, Professor, Department of Chemistry, University of South Florida
- Dr. Verian Thomas, Interim Assistant Vice President for Research & Dean for Graduate Studies, Florida A&M University

Audience – Q&A (10 Minutes)

10:40 - 11:55 A.M. ~ Pasco Room

PANEL 12 — AGRICULTURE
Contemporary Topics in Agriculture Education
• Janine Parker, Panel Chair, UF (2012), Agriculture Education, “Florida Residents’ Exposure to Non-U.S. Citizens and Their Perceptions of Immigrant Agriculture Workers”
• Chandra Bowden, UF (2011), Agriculture Education, “Does Living in Mixed-Use Communities Support the Value System of Urban and Suburban Maryland Millennials?”
• Courtney Owens, UF (2012), Agriculture Education, “Changing Water Education: The Role of Extension”

Discussant (15 minutes)
- Ms. Janine Parker, UF (2012), Agriculture Education

Audience – Q&A (10 Minutes)
2:00 - 3:30 P.M. ~ Pinellas Room

PANEL 15 — SOCIOLOGY
Current Diverse Research in Sociology
• Danielle Tolson, Panel Chair, UF (2009), Criminology, “Social Capital for Success: First Year Students’ Awareness and Perceived Usefulness of Resources in Graduate School”
• Adrienne Celaya, UM (2012), Sociology, “Safe Havens or Danger Zones?: A Multilevel Examination of Immigration, Community and Intimate Partner Violence”
• Micah Johnson, UF (2013), Sociology, “The Effects of Youth Media Consumption on Civic Literacy”

Discussants (15 minutes)
- Dr. Marvin Dawkins, Professor, Department of Sociology, University of Miami
- Dr. Elizabeth Hordge-Freeman, Assistant Professor, Department of Sociology, University of South Florida

Audience – Q&A (10 Minutes)
2:00 - 3:30 P.M. ~ Sarasota Room

PANEL 16 — LITERATURE
Critical Perspectives on Literature and Race
• Nicole Carr, UM (2010), English, “For Black Girls Who Have Considered Changing Their Names When Quvenzhané Wallis Was Called a Cunt”

Discussant (15 minutes)

- Dr. Iraida Carrion, Assistant Professor, School of Social Work, University of South Florida

Audience – Q&A (10 Minutes)

2:00 - 3:30 P.M. ~ Broward Room

PANEL 17 — ENGINEERING III
Contemporary Explorations in Computer Science: An Examination of Layered Learning, 3D Navigation and Peer-to-Peer IP Tunnels

Discussant (15 minutes)

- Dr. Luther Palmer, Assistant Professor, Department of Computer Science & Engineering, Biomorphic Robotics Lab, University of South Florida

Audience – Q&A (10 Minutes)

2:00 - 3:30 P.M. ~ Pasco Room

PANEL 18 — PSYCHOLOGY III
Theory and Practice in Psychology: Assessing Motor and Vocal Imitation, Language Training Methods, and Post-Injury Attention Deficits
• Elaine Espanola, Panel Chair, FIU (2011), Psychology, “Assessment of Motor and Vocal Imitation”
• Alex Diaz, FIU (2012), Psychology, “A Comparison of Two Language Training Methods”

Discussants (15 minutes)

- Dr. Darshon Anderson, Assistant Professor, Department of Psychology and Counseling, University of Central Arkansas
- Dr. LaRicka Wingate, Associate Professor, Department of Psychology, Oklahoma State University

Audience – Q&A (10 Minutes)

3:40 - 4:00 P.M. ~ Pinellas Room

CLOSING REMARKS
• Dr. Lawrence Morehouse, President & CEO, FEF