**Southern Region Conference**

**of the**

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**2017 PROGRAM**

**Held in conjunction with the meeting of the**

**SOUTHERN ASSOCIATION OF AGRICULTURAL SCIENTISTS (SAAS)**

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**February 5 – February 7, 2017 – Mobile, AL**

**Mobile Convention Center**

**Hosted by:**



**And**

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**Manuscript Reviewers for the 2017 AAAE Southern Region Research Conference**

Antoine Alston

James Anderson II

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Tom Broyles

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James Christiansen

Steven Chumbley

Barry Croom

Tiffany Drape

Don Edgar

Leslie Edgar

Kirk Edney

Craig Edwards

Chris Estepp

Frank Flanders

Jim Flowers

Curt Friedel

Nick Furhman

Donna Graham

Amy Harder

Julie Harlin

Jay Jayaratne

Don Johnson

David Jones

Eric Kaufman

Mark Kistler

Alexa Lamm

David Lawver

Laura Lemons

James Lindner

OP McCubbins

Gary Moore

Tim Murphy

Brian Myers

Michael Newman

Ed Osborne

Travis Park

Brian Parr

Tobin Redwine

Shane Robinson

Eric Rubenstein

Donna Westfall-Rudd

Rick Rudd

Kate Shoulders

Chris Stripling

Robert Strong

Stacy Vincent

George Wardlow

Wendy Warner

Elizabeth Wilson

Meghan Wood

**Saturday, February 4**

**3:00 – 6:00 p.m. Registration MCC Prefunction Area**

**Sunday, February 5**

**7:00 – 8:00 a.m. Graduate Student Breakfast MCC 201 Prefunction Area**

 Facilitator: PD Committee *(Pre-registered graduate students)*

**7:00 – 10:00 a.m. Registration MCC Prefunction Area**

**8:15 – 8:45 a.m. Vespers MCC 201 A**

Dave Parr Pastor Grace Lutheran Church,

 Long Beach Mississippi, Dean of Gulf Coast Conference

**9:00 – 9:30 a.m. Agricultural Education Opening Session MCC 201 A**

**9:45 – 11:45 a.m. Concurrent Research Session I**

**Session A: Contemporary Issues MCC 105 B**

Discussant and Chair: John Ricketts, Tennessee State University

 Timekeeper: Brooke Griggeory, University of Kentucky

 Toward a Contemporary Model of Teaching and Learning

*Kevin Curry Jr., John Tummons, Karen Vines, Kasee Smith, Tyson Sorenson*

Power of Statistical Tests Used to Address Nonresponse Error in the Journal of Agricultural Education

 *Donald M. Johnson, Catherine W. Shoulders*

Extension’s role in saving citrus: Entering the genetic modification science conversation

*Taylor K. Ruth, Alexa J. Lamm, Joy N. Rumble*

**Session B: Theoretical Explorations MCC 201 A**

Discussant and Chair: Jim Flowers, North Carolina State University

 Timekeeper: Ashley Leer, University of Kentucky

Imaging Service-Learning in The Agricultural Education Magazine from 1929 to 2009:

Implications for the Method’s Reframing and Use

*Richie Roberts, M. Craig Edwards*

 An Exploration of Behavioral Change Through an Educational Intervention

*Alex K. Tingle, Stacy K. Vincent, Kang Namkoong, Joan Mazur, & A Preston Byrd*

Using the Theory of Planned Behavior to Understand Extension Client’s Water Conservation Intentions

*Anil Kumar Chaudhary, Laura A. Warner, Alexa J. Lamm, Glenn D. Israel, Joy N. Rumble, Randall A. Cantrell*

**Session C: Pedagogical Implications MCC 105 A**

Discussant and Chair: Kirby Barrick, University of Florida

 Timekeeper: Lee Thomsen, University of Kentucky

Needs Assessments for School-Based Agricultural Education Teachers: A Review of Literature

*Catherine A. DiBenedetto, Victoria Willis*

Exploring How Pedagogical Strategies Change Student Perceptions of Writing Apprehension

*Laura M. Gorham, Courtney Meyers, Sinclaire Dobelbower*

Examining the Critical Moments in Information Processing of Water Conservation Videos within Young Farmers and Ranchers: A Psychophysiological Analysis

*Laura M. Gorham, R. Glenn Cummins, Kyle C. Gilliam, Matt Baker, Scott Burris, Erica Irlbeck*

**12:00 – 1:30 p.m. Luncheon Bon Secour II & III** *Introduction of graduate students and new faculty*

**1:30 – 2:45 p.m. Committee Meetings**

 Member Services **MCC 105 A**

 Program Improvement **MCC 105 B**

Professional Development **MCC 106 A**

Research **MCC 106 B**

**2:45 – 3:45 p.m. SR-AAAE Business Meeting Session I**  **MCC 201 A**

**3:45 SIG Meetings TBA**

**4:00 – 4:15 p.m. SAAS General Business Meeting MCC 203 B**

**4:15 – 5:30 p.m. SAAS Super Bowl Social MCC Prefunction Area**

**Monday, February 6**

**7:00 – 10:00 a.m. Registration MCC Prefunction Area**

**7:00 – 8:30 a.m. Continental Breakfast & MCC Prefunction Area
Innovative Poster Session (201/202)**

3D Approach to Inclusive Agricultural Connections

*Cecilia E. Suarez & Matthew J. Sowcik – University of Florida*

An Innovative Example of Service-Learning in Agricultural Education

*Blake Colclasure & Andrew Thoron – University of Florida*

An Inquiry Into Needs of Female Teacher Candidates

*Haley Hensley, Don Edgar & Donna L Graham – University of Arkansas*

CDE Workshops as an Innovative Collaboration with Pre-service Teachers

*Ryan P. Clarke, Hanna H. Aviles, & Marshall A. Baker – Oklahoma State University*

Collective Thinking for Extension: The Value of World Cafe

*Shannon Wiley, Sarah Bush, & Megan Seibel – Virginia Tech*

Creating the Teen Excellence in Leadership Institute (TELI)

*Sarah Bush, Dr. Megan Seibel, Benjamin Grove, Dr. Tonya Price, & Jeremy Johnson – Virginia Tech*

Cultivating Future Leaders of Tomorrow: The Mock Nominating Committee Program

*Emily C. Hawkins, K. Jill Rucker, & Casandra Cox – University of Arkansas*

Embracing the Undergraduate Experience: An Approach to Recruiting Secondary Agricultural Education Students

*Mrs. Kendall M. Wright & Dr. Stacy K. Vincent – University of Kentucky*

Faculty perceptions of an innovative service-learning experience

*Carley Calico, Dr. Laura Downey, Dr. Stephen Meyers, & Dr. Laura Greenhaw – Mississippi State University*

Helping 4-H Volunteers Facilitate STEM Literacy in Traditional Non-STEM Projects

*Jeremy Elliott-Engel, Kelly Robinson, & Donna Westfall-Rudd – Virginia Polytechnic Institute & State University*

Implementation of Visual and Video-Based Reflection During a Simulated Experience

*Joenelle Futrell, Krysti Kelley, & Marshall A. Baker – Oklahoma State University*

Poultry and Egg Education Project: Curriculum For 4-H Youth Designed To Teach Safe Handling And Use Of Poultry And Poultry Products

*John C. Ricketts & Sandria Godwin – Tennessee State University*

Swivl - An Intuitive Approach to Video-Based Reflection

*Hanna H. Aviles, Mason Jones, & Marshall A. Baker – Oklahoma State University*

To the Barn and Beyond: Connecting Livestock Skills to Leadership Development

*Dr. Chelsey Ahrens & Jackson Alexander – University of Arkansas Division of Agriculture*

Utilizing LEDs and Breadboards to Teach Electricity: Emphasizing STEM Principles through Agricultural Education Teacher Professional Development

*Trent Wells, Dr. J. Chris Haynes, & Dr. Brian Parr – Iowa State University; University of Wyoming; Murray State University*

**8:45 – 10:45 a.m. Concurrent Research Session II**

 **Session D: Engaging Diverse Populations MCC 203 B**

Discussant and Chair: Donna Westfall-Rudd, Virginia Tech University

 Timekeeper: Tiffany Harper, University of Kentucky

Perceptions of African-American Students on Pursuing Agricultural and Natural Resources Careers: Voices from an 1862 Land-grant Institution

 *Courtney P. Brown, Shelly Sitton, M. Craig Edwards, Nicholas R. Brown*

Evidence for Recruitment Appeals to Students of Color in the National Teach Ag Campaign: An Exploratory Media Content Analysis

*Sarah E. LaRose, Lisa K. Lundy*

Agriscience Education Through Inquiry-based Learning: Investigating Factors that Influence the Science

 Competence of Hispanic Middle School Students

*Peter Skelton, J. Joey Blackburn, Kristin S. Stair, Natalie Levy*

**Session E: Innovative Approach to Agricultural Education MCC 105 B**

Discussant and Chair: Craig Edwards, Oklahoma State University

 Timekeeper: Kendall Wright, University of Kentucky

An Integration of Outdoor Classrooms Into Schools: A Synthesis of Literature

*H. Lillian Goldsmith, Eric D. Rubenstein*

Comparative Analysis of Student Taught Science or Agriscience: Results on State Standardized Science Assessment

*Anna J. Warner, Andrew C. Thoron, Glenn D. Israel*

Administrator Perceptions of an Agriculture Dual Enrollment Program

*Dr. Steven “Boot” Chumbley, Dr. J. Chris Haynes, Mark Hainline*

**Session F: Extension Education Windjammer Suite**

Discussant and Chair: Michael Newman, Mississippi State University

 Timekeeper: Blake Colclasure, University of Florida

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 A National Look at How Experience Influences Engagement in Water Conservation

*Pei-wen Huang, Alexa J. Lamm*

Using the Situational Theory of Problem Solving to Guide National Extension Programming with High Water Users

*Alexa J. Lamm, Laura A. Warner, Lisa K. Lundy, Jyothi Swaroop Bommidi*

Partnering with the Government: Can Extension Capitalize on how Political Affiliation and Perception of Government Impacts Water Conservation?

*Brandon McKee, Pei-wen Huang, Alexa Lamm*

**11:00 – 12:00 p.m. SR-AAAE Business Meeting Session II MCC 203 B**

**12:00 – 1:30 p.m. Luncheon Mobile Bay Ballroom**

**1:45 p.m. Professional Development Windjammer Suite**

**4:30 – 6:00 p.m. Kentucky Host State Social**

Dinner on your own.

**Tuesday, February 7**

**7:00 – 8:30 a.m. Continental Breakfast & MCC Prefunction Area
Research Poster Session (201/202)**

Texas 4-H Members' Sense of Community

*Emily R. Perdue, James R. Lindner, Gary E. Briers, Kirk C. Edney, & Harry N. Boone – West Virginia University Extension Service, Texas A&M University*

An Analysis of McKnight Scholar Leadership Practices Inventory 360 Feedback

*Krysti Kelley, Joenelle Futrell, & Marshall A. Baker – Oklahoma State University*

An Exploration of Behavioral Change Through an Educational Intervention

*Mr. Alex Tingle, Dr. Stacy K. Vincent, Dr. Joan Mazur, Dr. Kang Namkoong, & Dr. Alex P. Byrd – University of Kentucky*

Aquatic Invasive Species Professional Development Improves Teacher Environmental Attitudes and Perceived Knowledge Long-term

*Blake Colclasure, Kathryn Stofer, Eric Stubbs, & Dehlia Albrecht – University of Florida*

Citrus greening solutions: Extension's role in Florida, California and Texas

*Taylor K. Ruth, Peyton N. Beattie, Alexa J. Lamm, & Joy N. Rumble – University of Florida*

Communicating water-related information to landowners: Identifying their preferred communication channels, perceived source trustworthiness, and preferred type of information

*Stacey Dewald, Holli Leggette, Theresa Pesl Murphrey, Allen Berthold, & Kevin Wagner – Texas A&M* *University*

Community Member Perceptions of Student Service at a Land-Grant University

*Joaquin R. Amaral, Jeremy Elliott-Engel, Sarah Bush, Nithya Ramalingam, Elli Travis, Lane Woodward, & Abdulmueen Bogis – Virginia Polytechnic Institute and State University*

Current Agriculture Teachers' Preferences when Selecting Ideal Teaching Partners

*Hailey N. Gates & Catherine W. Shoulders – University of Arkansas*

Does more time matter? Results of 15-week student teaching experience

*Jorge Gonzalez, Marshall Baker, & Jon W. Ramsey – Oklahoma State University*

Employers' Perceptions of Student Participation in High Impact Experiences: Generational Differences

*Jennifer Ann Scasta, Dr. Theresa P Murphrey, & Dr. Kim E Dooley – Texas A&M University*

Establishing a Model for the Design and Delivery of Online Agriscience Learning Environments to Impact Student and Faculty Success

*Christopher A. Clemons, Ph.D. – Auburn University*

Experience in Agriculture and Cultural Worldview May Influence Public Opinion

*Tracee M. Schiebel & Kathryn A. Stofer – University of Florida*

Humility, Overconfidence, and Leadership in Agricultural Education

*Dr. Matthew Sowcik & Valerie McKee – University of Florida*

Identifying Landowners' Motivations for and Barriers to Adopting Best Management Practices Related to Watershed Based Plans: Economic, Intrinsic, and Knowledge Factors

*Stacey Dewald, Theresa Pesl Murphrey, Holli Leggette, Allen Berthold, & Kevin Wagner – Texas A&M University*

Impact of Credit Education on Beginning Farmers

*Matthew Spindler & Crysti Hopkins – Virginia Tech*

Integrating Food Science Into High School Agricultural Education

*John Ricketts – Tennessee State University*

Investigating [College] Faculty Knowledge and Perception of Social, Behavioral, and Educational Research and the Scholarship of Teaching and Learning

*Shelbie Dalton & Dr. Gaea Hock – Mississippi State University & Kansas State University*

Investigating How Participants Attribute Their Acquisition of Targeted Life Skills to 4-H Residential Summer Programs

*Alayna Naro, Laura L. Greenhaw, & Carley Calico – Mississippi State University*

Student and Faculty Perceptions of Academic Entitlement: A Look at One Southern Land-Grant University

*Donna Graham, Leslie Edgar & Don Edgar – University of Arkansas*

Targeting Water Conservation Extension Programming to Residents Governed by Homeowner's Associations

*Jyothi Swaroop Bommidi, Dr. Pei-wen Huang, & Dr. Alexa J. Lamm – University of Florida*

The Impact of Self-Efficacy on Teacher Candidates' edTPA Performance

*Kevin Curry Jr, Wendy Warner, & Travis Park – North Carolina State University*

The Relationship of Media Type and Engagement and Reach of an Agricultural Education Professional Development Facebook Page

*Anna Warner, Ashley Hassan, Brian E. Myers, Kate Shoulders, & Marshall Baker – University of Florida, University of Arkansas, Oklahoma State University*

Using the Community Capitals Framework for the Development of an Agricultural Community Life Center

*Matthew Spindler & Chantel Simpson – Virginia Tech*

**9:00 – 11:00 a.m. Concurrent Research Session III**

 **Session G: Professional Engagement MCC 105 A**

Discussant and Chair: Donna Graham, University of Arkansas

 Timekeeper: Alex Tingle, University of Kentucky

 Effects of an Applied Workshop on Teacher Self-Efficacy and Intent to Teach Hydraulics

*Donald M. Johnson, George W. Wardlow*

A Description of Agriculture Teachers’ Selections of Preferred Teaching Partners Based on Attire and Physical Attributes

*Catherine W. Shoulders, Hailey R. Gates*

 *Thinking Critically about how Agriculture and Natural Resource Opinion Leaders Communicate*

*J. Brianne Bird, Alexa J. Lamm, Lisa K. Lundy*

**Session H: Global Mindset MCC 106 A**

Discussant and Chair: Don Johnson, University of Arkansas

 Facilitator: Tori Summey, University of Kentucky

Designing an international experience program for [state] 4-H members

*Sheli E. Danjean, Melissa Carter, J.C. Bunch*

Agricultural Students’ Affective Perceptions of Cost, Expectancy, and Value in the Context of Short-Term Study Abroad Programs: Applying Expectancy-Value-Cost Models

*Brandon M. Raczkoski, J. Shane Robinson, M. Craig Edwards, Marshall A. Baker*

Investigating the Motivational Changes of Pre-service Agricultural Education Teachers During a Six-Week Project-Based Learning Experience

F. Richie Roberts, J. Shane Robinson

**11:00 – 11:30 a.m. BREAK**

**11:30 – 1:30 p.m. Awards Luncheon Bon Secour Bay II & III**

**SR-AAAE Conference Adjourns after Lunch**