

“Elevating the Profession Through Partnerships”



American Association for Agricultural Education
Annual Conference
May 15-18, 2018
Charleston, South Carolina

“Elevating the Profession Through Partnerships”

2018 AAAE National Conference

May 15-18 - Francis Marion Hotel - Charleston, South Carolina

TUESDAY, MAY 15

8:00 - 12:00	NCAC-24 Meeting	Colonial
8:30 - 12:00	Multistate Agricultural Literacy Research Project (W2006)	Carolina A
8:00 - 4:00	Stem Multistate Research Project (S1071)	Bridgeview (12 th floor)
10:00 - 1:00	AAAE Strategic Plan Goal Team Meetings Strategic Goal Team #1 - Building an Inclusive Culture Strategic Goal Team #2 - Increase Membership Strategic Goal Team #3 - Increase Collaboration Strategic Goal Team #4 - Increase Impact of Scholarship	Pinckney Rutledge Laurens Middleton
1:00 - 3:00	AAAE Board of Directors Meeting	Rutledge
2:00 - 3:30	Journal of Agricultural Education Editing/Managing Board Meeting	Laurens
4:00 - 6:00	OPENING GENERAL SESSION	Carolina
	Dinner on Your Own	
5:30 - 8:00	Great Plains Ag*Idea	Laurens
8:00 - 9:00	Barrick Seminar <i>“Building a Disruptive Educational Environment”</i> Joshua Jennings - Executive Director, Global Impact STEM Academy, Springfield, Ohio	Carolina

WEDNESDAY, MAY 16

7:00 - 8:00	Breakfast Buffet	Colonial
	Academy of Fellows Meeting	Carolina A
8:00 - 9:00	Innovative Poster Session (Set up posters by 7:00; remove by 12:00)	Colonial
9:00 - 10:30	AAAE Special Interest Group (SIG) Meetings	Locations Posted at Registration Desk
10:30 - 10:45	Break	Pre-function A
10:45-12:30	General Session and Distinguished Lecture AAAE Fellows Ceremony	Carolina
12:30 - 2:00	Lunch on Your Own Ohio State University Alumni Lunch - Tommy Condon’s Irish Pub and Seafood Restaurant Texas A&M/Texas Tech Alumni Event - Carolina Ale House	
2:00 - 3:00	AAAE Committee Meetings Research Membership Services Professional Development Program Improvement	Pinckney Rutledge Laurens Middleton
3:00 - 3:15	Break	Pre-function A
3:15 - 4:45	AAAE Research Sessions Session A - School-Based Agricultural Education Teachers Session B - Student Motivation Session C - Research Strategies Session D - Curriculum and Instruction Session E - Experiential Learning	Pinckney Rutledge Laurens Carolina A Carolina B
5:00 - 6:30	Knapp Seminar <i>“Turning Agricultural Education Research into Understanding, Practice, Outreach, and Extension Materials”</i> Alexa Lamm, Associate Director, and Ashley McLeod, Public Relations Specialist, Center for Public Issues Education in Agricultural and Natural Resources, University of Florida Dinner and Evening on Your Own Mizzou Alumni Event - Time and Location TBD Florida “Gator Greats” Alumni Event - Location TBD	Carolina
6:30		

THURSDAY, May 17 - University Logo Day

7:00 - 8:00	Breakfast Buffet Graduate Student and Early Career Development Breakfast	Colonial Carolina A
8:00 - 9:00	Research Poster Session (Set up Posters by 9:00 pm Wednesday; remove by 12:00)	Colonial
9:00 - 10:00	AAAE Committee Meetings Research Committee Member Services Committee Professional Development Committee Program Improvement Committee	Pinckney Rutledge Laurens Middleton
10:00 - 10:15	Break	Pre-function A
10:15 - 11:45	AAAE Research Sessions Session A - Higher Education Session B - Science Technology Engineering and Math Session C - Agricultural Communications Session D - Teacher Education Session E - FFA	Pinckney Rutledge Laurens Carolina A Carolina B
11:45 - 12:45	AAAE Business Meeting	Carolina
1:00 - 2:30	Lunch and Keynote Speaker “Activating Agriculture Through Partnerships” Valerie Bayes - <i>STEM Engagement Lead, Monsanto Company</i>	Colonial
2:45 - 4:00	Professional Development Sessions “Conventional, Precision, Integrated - Too Many Words to Describe Modern Agriculture and Consumers are Confused” Valerie Bayes, <i>STEM Engagement and Lead, Monsanto</i>	Carolina
2:45 - 5:00	Tours - pre-registration required Clemson Coastal Research and Education Center Farm Tour #1 Farm Tour #2 USDA Lab Tour Urban Research Demonstration Area Clemson Restoration Institute Wind Turbine and Testing Facility and Zucker Family Graduate Education Center	Buses load for tours at 2:45 on Calhoun Street side of building
4:15	Bus transportation from hotel to Zucker Family Graduate Center for Clemson Dinner	Buses load for Dinner at 4:15 on Calhoun Street side of building
5:30 - 8:00	Clemson Dinner - Zucker Family Graduate Education Center	Buses load for return to hotel at 8:00

FRIDAY, May 18

7:00 - 8:30	Breakfast Buffet Teacher Ed Caucus Breakfast Meeting	Colonial Carolina A
8:30 - 10:00	AAAE Research Sessions Session A - Philosophical and Historical Session B - Teacher Professional Development Session C - Workforce Development Session D - Extension Programming Session E - Laboratory Management	Pinckney Rutledge Laurens Carolina A Carolina B
10:00 - 10:30	Break - Opportunity to check-out of hotel	Pre-function A
10:30 - 12:00	AAAE Business Meeting	Carolina
12:00 - 1:30	AAAE Awards Luncheon	Colonial
2:00 - 3:00	AAAE Board of Directors Meeting	Rutledge

CONFERENCE SPEAKERS

BARRICK SEMINAR SPEAKER

Joshua Jennings

Executive Director, Global Impact STEM Academy

Joshua Jennings currently serves as Executive Director of the Global Impact STEM Academy in Springfield, Ohio. Prior to his work at Global Impact, he was the Director of Career and Technical Education at Springfield-Clark CTC and Agriculture Education instructor at Northeastern High School. He has a B.S. in Agriculture and an M.S. in Workforce Development and Education from The Ohio State University.

Global Impact is one of a few independent STEM Schools in the state of Ohio, but the only one with a specific industry focus. This focus is on Agriculture, specifically in the areas of biotechnology, food science, energy and the environment. Global Impact currently serves 630 students in grades 7 through 12 from nineteen different school districts and six counties.



KNAPP SEMINAR SPEAKERS

Alexa Lamm

Associate Director, Center for Public Issues Education in Agriculture and Natural Resources, University of Florida



Dr. Alexa Lamm is an associate professor in the Department of Agricultural Education and Communication (AEC), and serves as the associate director of the UF/IFAS Center for Public Issues Education in Agriculture and Natural Resources (PIE Center). Her research focuses on the role opinion leadership plays into the decision-making process, the effects of individual and collective cognition on group consensus building, and the impact of non-formal education on decisions associated with adoption. Dr. Lamm is involved in extension programs focused on enhancing and protecting water quality, quantity, and supply, and assists in developing enhanced community decision-making. She is certified in several personality, problem solving and critical thinking assessments and offers team building and leadership workshops to help groups increase effectiveness, build trust and provide leadership within their organizations and communities.

Ashley McLeod

Public Relations Specialist, Center for Public Issues Education in Agriculture and Natural Resources, University of Florida

Ashley McLeod has served as the Public Relations Specialist for the UF/IFAS Center for Public Issues Education for the past two years. Ashley received her Bachelor's degree in Agricultural Education and Communication from the University of Florida and recently completed her Master's degree specializing in agricultural communication, also from the University of Florida. Her graduate thesis explored the science communication efforts of interdisciplinary agricultural centers at land-grant universities. Ashley found her passion for the agricultural industry on her family's cattle and forestry operation and then discovered her niche for agricultural communication while participating in public speaking contests through FFA.



KEYNOTE SPEAKER

Valerie Bayes

STEM Engagement and Lead, Monsanto

Valerie Bayes holds a degree in Biological Sciences from University of Missouri-Columbia and a Master's Degree from Lindenwood University in Teaching with certification in secondary biology. She serves as Monsanto's STEM Engagement Lead in Saint Louis, Missouri. Growing up Valerie often found her curiosity getting her into trouble. From building treehouses out of recycled materials to jumping off the roof with an umbrella - asking "why" and "how" she has always been the curious type. She is a proponent of seizing everyday as an opportunity to think critically and to ask better questions. Her work focuses on creating authentic learning experiences by demonstrating the integral nature of STEM through agriculture. She is also working to build an interconnected network of teacher educators, master teachers and curriculum developers to help consumers understand the sophistication of modern agriculture.



Keynote Address - "Activating Agriculture through Partnerships" - In an age of fake news and outrage media, agriculture has been in the spotlight more than ever - and not necessarily in a light that reflects the values of the hardworking people who grow and produce our food. In this talk, Valerie will discuss how Monsanto and others have worked to shift the conversation around agriculture through creative, authentic outreach. About five years ago, the company made a conscious decision to engage more with consumer audiences, and the resulting journey has been both challenging and rewarding. The industry is undergoing a similar effort, and together we're learning that proactive conversations about food and farming can make a real difference in the public perception of modern agriculture. It takes all of us in agriculture - academic professionals, grower customers, nonprofits and agriculture companies - to help answer society's questions about where our food comes from and how it is produced. Valerie hopes this message is both informative and inspirational, sparking the interest of those who want to help others understand the fascinating nuances of modern agriculture.

INNOVATIVE POSTER SESSION - Wednesday, May 16th - 8:00 to 9:00 am

A Faculty Development Project: Creating a Community of Global Thinking Fellows

Christopher T. Stripling, Nicole L. P. Stedman, Robert Strong, T. Grady Roberts, Amy Harder, Kim Dooley, James R. Linder, Lisa Lundy - The University of Tennessee, University of Florida, Texas A&M University, Auburn University

Ah-Maize-Ing Adventure: A Corn Focused HILO for Pre-Service Teachers

Gaea Hock, Brandie Disberger, Jon Ulmer, R. Bud McKendree - Kansas State University, Michigan State University

An Innovative Approach to Providing Student Feedback

Taylor K. Ruth, Brianna N. Shanholtzer, Blake C. Colclasure - University of Florida

Auburn University Agriscience Camp WeAGle: An Exploratory Program for the Recruitment, instruction, and Development of Future Agriscience Teachers

Chris Clemons, Trent Wells, William Dodd - Auburn University

Award Points Program: Utilization of Google Sheets™ Pivot Tables for Student Awards points and Required FFA Activity Credits

Kathryn L. Teixeira, J. Shane Robinson - Oklahoma State University

Back to School: The Development of an Educational Event to Encourage Adoption of Irrigation Management Practices

Sinclair Dobelbower, Courtney Meyers - Texas Tech University

Can You Boot, Scoot, and Boogie? Agricultural Literacy Achieved Through a 5K

Sarah Warren, Rebekah Epps - The University of Kentucky

Collaboration in Remote Rural America: Success in Improving the Agriculture Workforce

Jay Whaley, Kellie Enns, Michael Martin - Colorado State University

Creating a Learning Community of First Generation College Student Veterans

Meghan Stein, Julie Harlin, Summer Odom, Kelly Essler, Barry Boyd, Lori Moore - Texas A&M University

Critical Conversations: Using a Video Podcast to Engage Teachers in Philosophical Discussions about Agricultural Education

Marshall A. Baker, Catherine W. Shoulders, Brian E. Myers - Oklahoma State University, University of Arkansas, University of Florida

Developing a LOCAL STEM Project for High School Teachers and Students

Mingla Charoenmuang, Hui-Hui Wang, Neil Knobloch, Roger Tormoehlen - Purdue University

Early Field Observations: An In-depth Approach of Career Exploration

Christopher J. Eck, Kathryn L. Teixeira, and Robert Terry, Jr. - Oklahoma State University

Educating First Responders to Assist in an Agricultural Hazardous Situation

Sarah D. Warren, Stacy K. Vincent, Joan M. Mazur, Dale Dobson - The University of Kentucky

Enabling Agriculture Teacher Candidate Preparation with Technology and Resources

Victoria P. Whitley, Travis D. Park, Kevin W. Curry, Jr., Wendy J. Warner, Joy E. Morgan - North Carolina State University

Enhancing Youth Education with School-Community Partnerships: An Intra-Curricular Approach to Secondary Agricultural Marketing

Brooke N. Griggeory, Stacy K. Vincent, Daniel W. Kahl, Carol D. Hanley - University of Kentucky

Flip the Script! Implementing Team-Based Learning in a Post-Secondary Agricultural Mechanics Course

Whitney Figland, Joey Blackburn - Louisiana State University

Food Matters: From Farm to Medical Student

Tiffany Joy Ralston-Ashland, Amy Smith - University of Minnesota

Highlighting the Traditional Path to Teacher Certification: A Pre-Interview Experience

Chris Eck, Jon Ramsey, John Tummons - Oklahoma State University, University of Missouri

Improving College Access and Readiness for Underrepresented Students Using Pre-College Experiences

Marshall Swafford - Eastern New Mexico University

Improving Underrepresented Students' Persistence in STEM Using Undergraduate Research Programs

Marshall Swafford, Charles Borz, Darron Smith - Eastern New Mexico University

In a SNAP: Nutrition Education in Food Desert Communities

Eliza Green, Kendall M. Wright, Stacy Vincent - University of Kentucky

Incorporating Fire Safety Training into Preservice Teacher Laboratory Safety Instructional Practices

Trent Wells, Mark S. Haintine, Steven "Boot" Chumbley - Iowa State University, Texas A&M University-Kingsville

Integrating FaceTime into Student Supervised Agricultural Visitation and Observation Practices

Jay Solomonson, Trent Wells - Iowa State University

Introducing Interactive Notebooks into Pre-service Teacher Education

Ashley McAfee, Jessica M. Blythe - West Virginia University

Navigating Careers: Recruitment Program for Early Career Educators

Tyler D'Angelo, Andrew Thoron, and Grady T. Roberts - University of Florida

On the Road Again: Agriculture Teacher Industry Tours as Professional Development to Promote Career Pathway Preparation

Erin K. Gorter - Cal Poly State University, San Luis Obispo

Partnerships Provide an Apprenticeship Experience

Andrew Wilson, Kim Alexander, Kellie Seals - Roscoe Collegiate ISD, Texas A&M University, Texas Tech University

Principles of Project Design and Fabrication Taught as an Intensive 15-Hour Workshop

Ryan P. Clark, Jon Ramsey, Rob Terry - Oklahoma State University

Providing Professional Development to Education Professionals for Unmanned Aerial Vehicles (UAVs) in Agriculture

Ashley B. Cromer, Tyson J. Sorensen, Kelsey Hall - Utah State University

Providing Teaching Opportunities Through Student Mentoring and River Monitoring

Kristin Kovar, Emily Deaver, Scott Peterson - Southwest Minnesota State University

Reflection as Assessment: Using FlipgridA for Formative Assessments

Kellie Claflin, Josh Stewart - Oregon State University

Scanning the Crowd: Using Plickers to Conduct Formative Assessments of Student Learning

Courtney Meyers, Gaea Hock, Jeremy Falk - Texas Tech University, Kansas State University, University of Idaho

Solving the Interactive Video Puzzle: EdPuzzle as a Platform for Content Delivery

Kasee L. Smith - University of Idaho

STEM Curriculum in Space Plant Course Content for Agriscience Educators

Tyler D'Angelo, Jordan Callahan, J. C. Bunch, Andrew Thoron, Robert Ferl and Anna-Lisa Paul - University of Florida

Tagged to Teach Ag Day: An Immersive Recruitment Event for Agricultural Education

Hailey R. Gates, Catherine W. Shoulders - University of Arkansas

TeachAgTalks: Effective Communication with Podcasts

Hunter Kaufman, Daniel Foster - The Pennsylvania State University

The Use of Virtual Reality Simulations in Agricultural Education

Tori Summey, Stacy K. Vincent - University of Kentucky

Using a Student Exchange Program to Foster New Agricultural Experiences for Students

Blake C Colclasure, Keith Schiebel - University of Florida

Using Drone Technology to Enhance Student Motivation and Engagement in a Dual-Credit Agricultural Mechanics Course

Jay Solomonson, Trent Wells - Iowa State University

What Do You Think? Demonstrating Inquiry-Based Instruction Using Wisconsin Fast Plants

Mason Jones, Marshall Baker - Oklahoma State University

RESEARCH POSTER SESSION - Thursday, May 17th - 8:00 - 9:00

A Case Study of the Texas Alliance for Water Conservation's Communication Efforts

Cassie Godwin, Courtney Meyers, Sinclair Dobelbower, Erica Irlbeck, Rudy Ritz - Texas Tech University

A Comparison of the Safety Education Exposure Levels of Students Participating in the 2003 and the 2013 Houston Livestock Show & Rodeo Agricultural Mechanics Project Show: Are Students More Safe 10 Years Later?

P. Ryan Saucier, Joe E. Muller, Dwayne Pavelock, Doug Ulrich - Sam Houston State University

A World Without Citrus: How Will We Make Our Margaritas?

Taylor K. Ruth, Joy N. Rumble, Alexa J. Lamm, Jason D. Ellis - University of Florida, Kansas State University

Agricultural Education and Mathematics Performance Among Secondary Students

Susan Githua, John C. Ricketts - Tennessee State University

Agricultural Students' Perceptions of Being Taught with Curriculum for Agricultural Science and Education (CASE)

Kelsey Sands, Scott Smalley, Mike Retallick - Iowa State University

Aligning Industry Certification and Industry-Specific Skills: A Delphi Study Determining the Skills Needed for Entry-Level Positions in Animal Science

Taylor G. Polinard, Andrew Thoron, Blake C. Colclasure - University of Florida

American Indians: The Underrepresented Population in Agriculture

Marshall Swafford - Eastern New Mexico University

An Examination of the Agricultural Mechanics Professional Development Needs of the 2016 National FFA

Agricultural Technology and Mechanical Systems Career Development Event FFA Advisors

P. Ryan Saucier, G. Curtis Langley, Emily A. Riggins - Sam Houston State University, Tarleton University

Assessing the Availability and Academic Offerings of Extension Education in the United States

Amy Harder, Lendel K. Narine, Matt Benge, Berthruide Albert - University of Florida

Communicating About the Agriculture Best Management Program Through Extension: Ensuring the Sustainable Use of Water Resources

Peyton N. Beattie, Shelli D. Rampold, Alexa J. Lamm - University of Florida

Communicating to the Ages: Influence of Age on Florida Homeowners' Informational Processing Behaviors

Ashley N. McLeod, Shelli D. Rampold, Alexa J. Lamm - University of Florida

Does it Take a Village? An Examination of the Experiential Roles Played by Educators in Supporting Agriscience Fair Participants in Oklahoma

Joanelle Futrell, Carley Snider, Marshall A. Baker - Oklahoma State University

Effects of Activity Type and Gender on Cognitive Achievement in Hydraulics

Patterson P. Hilaire, Colton R. Teekell, Donald M. Johnson - University of Arkansas

Effects of New Teacher Induction Programs on Teacher Self-Efficacy

Grant Lee Ermis, John Stewart, Jalisca Thomason - Oregon State University

Employer Perspectives of Agricultural Students' Communication Skills: Curriculum Considerations Based on Real-World Input

Theresa Pestl Murphy, Holli Leggett, Shannon Norris - Texas A&M University

Examining Agricultural Literacy and the Perceptions of Being Literate in Agriculture

Chris Clemons - Auburn University

Exploring Motivations of Volunteers to Teach Agriculture in West Africa

Haley Clement, Josh Stewart - Oregon State University

Fishing for Answers: Barriers to Secondary Agricultural English Course Adoption

Sydney A. Keen, Erin K. Gorter - Cal Poly State University, San Luis Obispo

Grit and Optimism in Leadership Development Event (LDE) Participants: A Descriptive Examination

Bishal Thapa, McKenna Ford, Kasee L. Smith - University of Idaho

Help! Determining the FFA and SAE Professional Development Needs of Louisiana Agriculture Teachers by Years of Teaching Experience

Krista Courter, Whitney Figland, Joey Blackburn, Kristin Stair, Eric Smith - Louisiana State University

How Extension Can Use Videos to Encourage Homeowner Adoption of Fertilizer Best Management Practices

Amanda D. Ali, Peyton Beattie, Alexa J. Lamm - University of Florida

Influencer Groups that Pennsylvania Farmers Consider as Influential to Make Climate Change Adaptation Decisions

Kaila Thorn, Rama Radhakrishna, Daniel Tobin - The Pennsylvania State University

Injuries and Other Accidents Sustained in an Agricultural Mechanics Laboratory by Iowa Secondary Agricultural Education Students

A. Preston Byrd, Ryan G. Anderson, P. Ryan Saucier - Clemson Valley, Sauk Valley Community College, Sam Houston State University

Less Than, Greater Than, or Equal to: Mathematics in Agriculture, Food, and Natural Resources Education by Community Type

Catlin M. Pauley, Aaron J. McKim, R. Bud McKendree - Michigan State University

Lessons Learned from the Previous Generation of Agricultural and Extension Educators

Candy R. Grant, Rachel Hendrix, Kirk Swortzel, Carla B. Jagger - Mississippi State University

Linking Subject Matter Topics Published in the Journal of Agricultural Education (1996-2016) to the National Research Agenda Priorities: Implications for the Profession

Michael Fiorentino, Rama Radhakrishna - The Pennsylvania State University

Measuring the Impact of Intergenerational Service-Learning on Students' Stereotypes Toward Older People in an Agricultural Education Technology Course

Rachel DuRant and Dale Layfield - Clemson University

Social Cognitive Career Theory and African American Youth Interest in Agriculture and STEM Careers

Arogeanae Brown, Hannah Scherer - Virginia Polytechnic Institute and State University

Student Perceptions of a First Time Experience with Peer Teaching in a Meat Science Course

Kaitlyn Goroski, Shannon Arnold, Jane Ann Boles - Montana State University

Student Preparedness: College Ready or Career Ready?

Victoria C. Willis, Catherine A. DiBenedetto, Brian E. Myers - Clemson University, University of Florida

Students' Perceptions of Inquiry-Based Learning in the High School Agriculture Classroom

Kalynn Baldock, Theresa Pesl Murphrey - Texas A&M University

Teaching Enhancement Through Agricultural Laboratories Workshop: Effects on Self-Efficacy and Intent to Teach Agricultural Sciences

Haley Hensley, Catherine W. Shoulders, Don W. Edgar, Donna L. Graham, George W. Wardlow, and Donald Johnson - University of Arkansas

The Backyard Citrus Grower and Their level of Knowledge: What Extension Can Do to Communicate About Citrus Greening

Peyton N. Beattie, Kelsey M. Tully, Jason D. Ellis, Alexa J. Lamm, Joy N. Rumble - University of Florida, Kansas State University

The Good, the Bad, and the Ugly: Agricultural Educator Perceptions of Job Attributes

Brooke Howell, Anna Pratt, Bishal Thapa, Kasee L. Smith - University of Idaho

University Faculty Perspective on Student Entitlement

Don Edgar, Donna Graham, Leslie Edgar - University of Arkansas

Utah Agricultural Teachers' Perceptions of Urban and Non-Traditional Agriculture Curriculum and SAEs: An Application of Theory of Planned Behavior

Ashley Cromer, Kelsey Hall, Tyson Sorensen - Utah State University

Utah Agriculture Teachers' Perceptions of Teaching Urban and Non-Traditional Agriculture Content

Kelsey Hall, Tyson Sorensen, Ashley Cromer - Utah State University

Utah Farmers' Involvement in Farm to School Programming: An Application of the Theory of Planned Behavior

John L. Hawley, Kelsey Hall, Rebecca Lawver, Roslynn Brain - Purdue University Extension and Utah State University

Where's the Expert? Understanding the Expertise Gap in Preservice Agricultural Educators

Lauren Lewis Cline, Marshall A. Baker - Oklahoma State University

RESEARCH SESSIONS - Wednesday, May 16 - 3:15 - 4:45

Session A: School-Based Agricultural Education Teachers

Location: Pinckney

Discussant: M. Craig Edwards
Facilitator: Isabella Damiani

Impact of Teacher Attire on Students' Views of Teacher Credibility, Attitude Homophily, a Background Homophily within School-based Agricultural Education Programs

Catherine W. Shoulders, Lesley Smith

A Description of the Professional Identities of Arkansas Agriculture Teachers

Catherine W. Shoulders

Why Did They Leave? An Examination of Idaho Agricultural Educator Attrition

Kasee L. Smith, Daniel Billington, Katlyn J. Wolf, Bishal Thapa

Job Satisfaction of Agricultural Teachers in North Carolina

R. Jason Davis, Jim Flowers, Wendy Warner, Gary Moore, David Jones

Session B: Student Motivation

Location: Rutledge

Discussant: Ed Osborne
Facilitator: Brianna Shanholtzer

Conceptualizing the Process for Supporting Students' Psychological Needs and Motivation Within School-Based Agricultural Education Programs - A Mixed Methods Study

Amanda Bowling, Anna Ball

Student Motivations to Engage in Curricular Leadership Education: A Grounded Theory Approach

Haley Q. Clement, Catlin M. Pauley, Aaron J. McKim, Jonathan J. Velez, Jon C. Simonsen

A Measure of Motivation to Learn Science Through Plant and Animal Science Classes

Steven Boot Chumbley, Mark S. Hainline, J. Chris Haynes, Trent Wells

Creating Relevancy in Scientific Information: An Analysis of the Impact of Motivational Salience and Involvement on Visual Attention

Laura M. Fischer, Courtney A. Meyers, R. Glenn Cummins, Courtney D. Gibson, Matt Baker

Session C: Research Strategies

Location: Laurens

Discussant: Alexa Lamm
Facilitator: Blake Colclasure

Development and Validation of a Study Abroad Perceived Cost Scale

Brandon Raczkoski, Leslie Edgar, M. Craig Edwards, J. Shane Robinson, and Marshall A. Baker

The Coach Phenomena: A Collective Case Study Examining the Validity of the Kolb Educator Role Profile in Preservice Agricultural Education

Lauren Lewis Cline, Marshall A. Baker

Effects of Question Difficulty and Post-question Wait-time on Cognitive Engagement: A Psychophysiological Analysis

Kyle C. Gilliam, Matt Baker, John Rayfield, Rudy Ritz, R. Glen Cummins

Methods of Establishing Instrument Validity in Manuscripts Published in the Journal of Agricultural Education between 2007 and 2016

Hailey N. Gates, Donald M. Johnson, Catherine W. Shoulders

Session D: Curriculum and Instruction

Location: Carolina A

Discussant: *Kevin Curry*
Facilitator: *Peyton Beattie*

Allocation of Time Among Preservice Teachers During Their Clinical Experience

Keith Frost, John Rayfield, David Lawver, Rudy Ritz

Global Exposure's Effect on Intercultural Effectiveness Among Secondary Agricultural Education Youth

Kendall M. Wright, Courtney A. Turley, Stacy K. Vincent

Evaluating Interdisciplinary Teaching: Curriculum for Agricultural Science Education

Caitlin M. Pauley, Aaron J. McKim, Kevin W. Curry, Jr., R. Bud MKendree, Tyson J. Sorenson

Literacy-Related Consideration of Secondary Agriculture Teachers

Laura Hasselquist, Tracy Kitchel

Session E: Experiential Learning

Location: Carolina B

Discussant: *John Ricketts*
Facilitator: *Chris Eck*

The Influence of Agriscience Research SAE on High School Students' Perceived Self-Efficacy of 21st Century Skill Attainment

Brooke Thiel

PCK and Experiential Learning: The Contest for Teaching and Learning

Josh Stewart, Misty D. Lambert, Kellie Claflin

Reflecting on Experience: The Impact of Reflection Following FFA Civic Engagement Activities

Will Bird, Amanda Bowling, Anna Ball

A Phenomenology of Supervised Agricultural Experiences: The Shared Experiences of Prospective School-Based Agricultural Education Teachers

Ashley Whiddon, Jon W. Ramsey, Marshall A. Baker, Mary Jo Self

RESEARCH SESSIONS - Thursday, May 17 - 10:15-11:45

Session A: Higher Education

Location: Pinckney

Discussant: *Tracy Kitchel*
Facilitator: *Kyle Gilliam*

Factors Influencing Women Faculty Transitioning to Tenured Academic Roles Within Colleges of Agriculture

Carolynn Komanski, Nicole Stedman, Lisa Lundy, Kirby Barrick

Conceptualizing Agriculture Teaching Faculty Involvement in Study Abroad: An examination of Structural Relationships Between Personal Dimension Variables in Involvement

Shelli D. Rampold, Melissa Cater, J. C. Bunch, J. Joey Blackburn

The Relationship Between Student Pre-Entry Attributes and Six-Year Bachelor's Degree Completion

Catherine W. Shoulders, Leslie D. Edgar, and Donald M. Johnson

Hunger Games: Using Q Method to Define Food Perspectives of Stakeholders at a Natural Food Retailer

Kasee L. Smith, Maggie M. Elliot, Tobin Redwine

Session B: Science Technology Engineering and Math

Location: Rutledge

Discussant: *Jon Ulmer*
Facilitator: *Keith Frost*

Socioeconomic Status, STEM Education, and Experiential Learning: An Examination of Sequencing Instruction

Kasee L. Smith, John Rayfield

STEM Knowledge, Learning Disabilities and Experiential Learning: Influences of Sequencing Instruction

Kasee L. Smith, John Rayfield

Visualizing Visual Literacy: Using Heat Maps to Illustrate Potential Differences in Gaze Behavior in Agricultural Communication Students

T. D. Redwine, S. N. Nielsen, L. N. Roberts, T. J. Rogers, B. R. McKim, T. A. Rutherford

Assessing the Effects of the Smartphone as a Learning Tool on the Academic Achievement of School-Based Agricultural Education Students in Louisiana

H. Eric Smith, J. Joey Blackburn, Kristin S. Stair, Michael F. Burnett

Session C: Agricultural Communications

Location: Laurens

Discussant: *Donna Westfall-Rudd*
Facilitator: *Tyler D'Angelo*

Eat This Because: An Evaluation of Persuasion Strategies Used in Commodity Magazine Advertising

Cassandra Dietrich, Annie Specht, Emily Buck

Exploring the Impact of Ohio Agricultural Organizations' Social Media Use on Traditional Media Coverage of Agriculture

Leigha Haller, Annie Specht, Emily Buck

Taking Pulse: Consumers' Attitudes Toward Agriculture and Information Sources

Cassandra Dietrich, Emily Buck, Annie Specht

Examining Rural Community Planning: A Community Viability Indicator (CVI) Model

Sarah Bush, Rick Rudd

Session D: Teacher Education

Location: Carolina A

Discussant: *Gary Briers*
Facilitator: *Joenelle Futrell*

The Status of U. S. Agricultural Teacher Education: A Review of Capacity

Rebecca Lawver, Daniel Foster, Amy Smith

Deterrents to Service-Learning's Use as a Method of Instruction in the Preparation of Agricultural Education Teachers: The Beliefs and Intentions of Teacher Educators

Richie Roberts, M. Craig Edwards, J. Shane Robinson

Planned Behavior Typologies of Agricultural Education Teacher Educators in Regard to Service-Learning as a Method of Instruction: A National Mixed Methods Study

Richie Roberts, M. Craig Edwards, Toni A. Ivey

The Supply of Secondary School-Based Agricultural Educators 2014-2016

Daniel Foster, Rebecca Lawver, Amy Smith

Session E: FFA

Location: Carolina B

Discussant: *Jon Ramsey*
Facilitator: *Lauren Cline*

Aiming for the Gold Emblem: An Examination of Factors Predicting Performance in National Career Development Events

Kevin W. Curry, Jr., Wendy Warner, Travis Park, Jeremy Falk

School-Based FFA Advisors' Attitudes and Motivation to Provide FFA Membership Access for Homeschool Students

Matthew Kararo, Neil Knobloch

The Influence of Extracurricular Involvement on High School Students' Academic Achievement and Engagement in School

Courtney Miller, Adam Marx

Perceptions of Barriers Limiting FFA Agriscience Fair Participation

Eric Koehlmoos, Gaea Hock

RESEARCH SESSIONS - Friday, May 18 - 8:30-10:00

Session A: Philosophical and Historical

Location: Pinckney

Discussant: *Brian Myers*
Facilitator: *Isabella Damiani*

Finding Common Ground: A Philosophical Perspective Revisiting Teaching "In" and "About" Agriculture

Blake C Colclasure, Brianna N. Shanholtzer, Andrew C. Thoron, R. Kirby Barrick

Identifying the First Generation Leaders in Agricultural Education: The Lost Stimson Manuscript

Gary Moore

Social Change Movements and Agricultural Education: Offering an Alternative Lens and Framework for Our Future

Adam A. Marx, M'Randa R. Sandlin, Mary T. Rodriguez, Hannah H. Scherer

Competition as an Instructional Approach in School-Based, Agricultural Education (SBAE): A Historical Review

Mason C. Jones, M. Craig Edwards

Session B: Teacher Professional Development

Location: Rutledge

Discussant: *Marshall Baker*
Facilitator: *Brianna Shanholtzer*

Determining Content Knowledge Needs for Professional Development of In-service Agricultural Education Teachers in South Carolina

Catherine A. DiBenedetto, Victoria C. Willis, K. Dale Layfield

What Do They Need? Determining Differences in the Classroom-Based Professional Development Needs of Louisiana Agriculture Teachers by Years of Teaching Experience

Whitney L. Figland, J. Joey Blackburn, H. Eric Smith, Kristin S. Stair

Beginning Agricultural Education Instructor Perceived Benefit of Professional Development Experiences

Melanie S. Bloom, John D. Tummons, Scott W. Smalley

Early Career Agricultural Education Instructor Expectations for Professional Development Yields

Melanie S. Bloom, John D. Tummons, Scott W. Smalley

Session C: Workforce Development

Location: Laurens

Discussant: *Matt Raven*

Facilitator: *Tyler D'Angelo*

African Entrepreneurs' Perceptions on the Mentoring Aspects of a Cross-Cultural, Professional Development Experience: Implications for Future Programs

Lisa Taylor, M. Craig Edwards, Marshall Baker, Craig Watters, James Rutledge

Student Perceptions of Workforce Readiness in Agriculture

Rachel E. Hendrix, Carley C. Morrison

Assessing the Perceived Preparedness and Importance of Discipline of Specific Items of Agriculture Teachers in Pennsylvania

Laura L. Rice, Daniel D. Foster, John C. Ewing, Mark D. Threeton

South Carolina Agricultural Sciences Students' Perceptions of Career Readiness Skills

Victoria C. Willis, Catherine A. DiBenedetto

Session D: Extension Programming

Location: Carolina A

Discussant: *Don Johnson*

Facilitator: *Lauren Cline*

Barriers to Adopting the Produce Safety Rule of the Food Safety Modernization Act in the Southern Region

Lendel K. Narine, Amy Harder, Michelle Danyluk

Lessons for Extension Strategic Planning: A Case Study of Virginia Cooperative Extension

Jeremy Elliott-Engel, Chelsea Corkins, Donna Westfall-Rudd

Educating Farmers on the Financial Incentives Associated with Increased Engagement in Best Management Practices

Shelli D Rampold Brandon H. McKee, Alexa J. Lamm

Eco-Leadership Among County 4-H Organizations: Relationship to Programmatic Success and Best Practices for Eco-Leaders

D. Adam Cletzer, Eric K. Kaufman

Session E: Laboratory Management

Location: Carolina B

Discussant: *Kate Shoulders*

Facilitator: *Joenelle Futrell*

Agricultural Mechanics Professional Development Needs of Novice, School-Based Texas Agricultural Science Teachers

P. Ryan Saucier, G. Curtis Langley, Emily A. Riggan

Laboratory Management Needs of Iowa School-Based Agricultural Mechanics Teachers

A. Preston Byrd, P. Ryan Saucier, Ryan G. Anderson

A Measure of Safety Climate Attitudes in the Agricultural Mechanics Laboratory

Steven Boot Chumbley, Mark S. Hainline, Trent Wells

The Development of Preservice Agriculture Teachers' Pedagogical Content Knowledge Through a Greenhouse for Teachers Course

Amanda M, Wooditch, Amber H. Rice, Jason B. Peake, Eric D. Rubenstein

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