**RESEARCH SESSIONS – Wednesday, May 17 – 3:15-4:15 pm**

**Session A: Addressing Agricultural Issues** San Luis Obispo South

Discussant: *Robert Strong*

Facilitator: *Dana Wise*

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| ***Adoption of Water Conservation Practices in Irrigation Management: An Application of the Theory of Planned Behavior in******the Texas High Plains***  Libby Durst, Courtney Meyers, Erica Irlbeck, Rudy Ritz |
| ***Exploring How Extension Can Build Trust to Encourage Engagement in Water Conservation Practices*** |
|  Brandon McKee, Alexa J. Lamm, J. C. Bunch***Using the Six Americas to Communicate about Climate Change in a State being Severely Impacted*** |
|  Melissa R. Taylor, Dr. Alexa J. Lamm, Dr. Glenn D. Israel***U.S. Adults with Agriculture Experience Are Likely More Familiar with Genetic Engineering than Those Without*** |
|  Kathryn A. Stofer, Tracee M. Schiebel |

**Session B: Teaching Methods** Edna East

Discussant: *Erica Thieman*

Facilitator: *Gaea Hock*

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| ***A Motivating Force Behind Online Self-Regulated Learning*** Marshall Swafford |
| ***Examining Student Perceptions of Their Experience in a TBL Formatted Capstone Course*** |
|  OP McCubbins, Thomas H. Paulsen, Ryan Anderson***Conceptualizing the Integration of Team-Based Learning into a Capstone Farm Management Course: Advice from*** ***Larry Michaelsen*** |
|  OP McCubbins, Thomas H. Paulsen, Ryan Anderson***Shaping Pedagogical Content Knowledge for Experienced Agriculture Teachers in the Plant Sciences: A Grounded Theory*** Amber H. Rice, Tracy Kitchel |

**Session C: Agricultural Mechanics** Edna West

Discussant: *Tom Paulsen*

Facilitator: *Mason Jones*

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| ***Agricultural Mechanics Lab Safety Practices in South Texas*** |
|  Steven Boot Chumbley, Mark Hainline, Chris Haynes***Career and Technical Education Teachers’ Perceived Tool and Equipment Availability Related to Teaching Two-Stroke Engines Content: A Preliminary Study*** Trent Wells, Ryan Anderson, Katelyn Anderson |
| ***The Importance of Agricultural Mechanics Skills Training: Implications for Agricultural Education*** |
|  John Rasty, Ryan Anderson***A Longitudinal Comparison of the Importance of Agricultural Mechanics Skills Taught*** John Rasty, Ryan Anderson |

**Session D: Recruiting and Retaining Teachers**  Los Osos South

Discussant: *Kevin Curry*

Facilitator: *Keith Frost*

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| ***Exploring the Influences of School-Based Agricultural Education on Pre-Service Teachers’ Choice to Teach Agriculture*** |
|  Tyson J. Sorensen, Melissa Lucas, Brian Warnick***Personal Resilience as a Predictor of Professional Development Engagement and Career Satisfaction of Agriscience Teachers*** |
|  R. G. (Tre) Easterly III, Brian E. Myers***Investigating the Motivational Changes of Pre-service Agricultural Education Teachers during a Six-Week Project-Based Learning Experience*** |
|  F. Richie Roberts, J. Shane Robinson***Previous Experience Not Required: Contextualizing the Choice to Teach School-Based Agricultural Education*** Adam A. Marx, Amy R. Smith, Scott Smalley, Courtney Miller |

**Session E: Utilizing Technology**  Los Osos North

Discussant: C*hris Clemons*

Facilitator: *Hannah Aviles*

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| ***Crowdsourcing change: An analysis of Twitter discourse on food waste and reduction strategies*** |
|  Annie R. Specht, Emily B. Buck***Is There an App for That?: Describing Smartphone Availability and Educational Technology Adoption Level of Louisiana School-Based Agricultural Educators*** |
|  Eric Smith, Kristin Stair, J. Joey Blackburn***International Rural Development Nonprofit Organizations’ Use of Facebook: A Content Analysis*** |
|  Joanna King, Courtney Meyers, Matt Baker, David Doerfert***Examining the Critical Moments in Information Processing of Water Conservation Videos within Young Farmers and Ranchers: A Psychophysiological Analysis*** Laura M. Fischer, R. Glenn Cummins, Kyle C. Gilliam, Matt Baker, Scott Burris, and Erica Irlbeck |

**RESEARCH SESSIONS – Thursday, May 18 – 10:15 – 11:45 am**

**Session A: Impacting Agricultural Issues** San Luis Obispo South

Discussant: *Shelly Sitton*

Facilitator: *Haley Clement*

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| ***Impact of Agricultural Issue Courses on Undergraduate Students’ Opinion Leadership*** |
|  Alexa J. Lamm, Courtney Meyers, Ricky Telg, Cassie Wandersee ***Predicting Likelihood to Pay Attention to Agriculture-Related Issues in the News with Demographic Characteristics*** |
|  Taylor K. Ruth, Quisto Settle, Joy N. Rumble, Keelee McCarty***A Theoretical Model for Decision-Making Related to Agriculture and Natural Resource Science and Technology*** |
|  Taylor K. Ruth, Joy N. Rumble, Alexa J. Lamm, Jason D. Ellis***Education in Agritourism: A Qualitative Case Study of Central Ohio Agritourism Managers’ Decisions to Enter*** ***the Industry and Educate Visitors*** Ashlan E. Wickstrom, Desiree Seeloff, Dr. Annie Specht |

**Session B: Global Perspectives** Edna East

Discussant: Barbara Kirby

Facilitator: *Jeremy Elliott-Engel*

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| ***U.S. International Agricultural Development: What Events, Forces, Actors, and Philosophical Perspectives Guided Its Approach?*** |
|  Brandon M. Raczkoski, M. Craig Edwards ***International Student Motivations to Study at Iowa State University: A Case study of International Students at the Agricultural Education Department.*** |
|  Amanda Meder, Zulham Sirajuddin, Scott Smalley***Agricultural Students’ Affective Perceptions of Cost, Expectancy, and Value in the Context of Short-Term Study Abroad Courses: Applying Expectancy-Value-Cost Models***  |
|  Brandon Raczkoski, J. Shane Robinson, M. Craig Edwards, and Marshall A. Baker ***Describing Parents’ Perceptions, Valuation, and Support of Study Abroad Programs at Three Southern Land-Grant Universities*** Tobin Redwine, Joey Blackburn, J.C. Bunch, Laura Greenhaw, Tracy Rutherford, Gary Wingenbach, David Walther |

**Session C: Impacting Student Outcomes** Edna West

Discussant: *Travis Park*

Facilitator: *Richie Roberts*

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| ***Agricultural Mechanics Skills Possessed by Post-Secondary Students Prior to Enrolling In an Agricultural Mechanics Teaching Methods Course*** |
|  Whitney Figland, Ryan Anderson***The Effect of Guided Holistic Reflection on the Global Perspectives of Rural College Students – An Exploratory Study*** |
|  Krysti L. Kelley, Joenelle L. Futrell, Marshall A. Baker ***Climate For Creativity: A Phenomenological Study Of Creativity In Agricultural Communications Students*** |
|  Hope Hancock, Courtney Gibson, Erica Irlbeck, and Courtney Meyers***Impact of a Poultry and Egg Food Safety Education Workshop on 4-H Youth*** |
|  Morgan Beaty, John C. Ricketts, Sandria Godwin, Tom Broyles |

**Session D: STEM Integration**  Los Osos South

Discussant: *Barry Croom*

Facilitator: *Josh Stewart*

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| ***Making Sense of the Buzz: Providing a Taxonomy of “STEM” in Agriculture, Food, and Natural Resources Education*** |
|  Hannah Scherer, Aaron McKim, Hui-Hui Wang, Catherine DiBenedetto, Kelly Robinson***A Quasi-Experimental Examination: Cognitive Sequencing of Instruction Using Experiential Learning Theory for STEM Concepts in Agricultural Education*** |
|  Kasee L. Smith, John Rayfield***Comparative Analysis of Students Taught Science or Agriscience: Results on State Standardized Math Assessment*** |
|  Anna J. Warner, Andrew C. Thoron, Glenn D. Israel***Cooperative Learning Groups Improving Science Integration*** Matt Spindler |

**Session E: Successful Agricultural Education Programs**  Los Osos North

Discussant: *John Ricketts*

Facilitator: *Hannah Parker*

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| ***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***Student’s Perception of School Based Agricultural Education Through an Initial Early Field Experience*** |
|  Bryan Rank, Scott Smalley***Professional Development Engagement and Career Satisfaction of Agriscience Teachers*** |
|  R. G. (Tre) Easterly III, Brian E. Myers***Answering the Unanswered Questions: Linking School-Based Agricultural Education Involvement to Graduation, STEM Achievement, and Income*** |
|  Aaron J. McKim, Jonathan J. Velez, Tyson J. Sorensen |

**RESEARCH SESSIONS – Friday, May 19 – 8:30-10:00 am**

**Session A: Diversity and Inclusion** San Luis Obispo South

Discussant: *Matt Spindler*

Facilitator: *Jay Solomonson*

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| ***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***State FFA Leaders’ Attitudes and Motivation to Provide FFA Membership Access for Homeschool Students*** |
|  Matthew Kararo, Neil Knobloch***Evaluation of Protective Factors’ Contribution to First Generation Postsecondary Agriculture Students Successful Transitions*** |
|  Ashley Leer, Stacy K. Vincent, Andrea T. Kirby |

**Session B: Focus on Text** Edna East

Discussant: *Andrew Thoron*

Facilitator: *Anna Warner*

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| ***Exploring How Pedagogical Strategies Change Student Perceptions of Writing Apprehension*** Laura M. Fischer, Courtney A. Meyers, Sinclaire Dobelbower |
| ***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***Experiences of Pre-Service Agriculture Teachers in a Reading in the Content Area Course*** Laura Hasselquist, Meredith Naughton, Tracy Kitchel***Pre-Service Teachers' Intentions to Incorporate Literacy into their Classrooms and Factors of Influence*** Laura Hasselquist, Tracy Kitchel |

**Session C: Informal and Nonformal Education** Edna West

Discussant: *Mark Russell*

Facilitator: *Cassie Phillips*

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| ***Student-related Expectations and Experiences Prior to, During, and After Completing a Congressional Internship Experience*** Dr. Missi M. Currier, Dr. David L. Doerfert, Ronald Phillips, J.D., Dr. Cindy Akers, Dr. Steve Fraze |
| ***An Exploration of the Development of an Educational Instruction Specialization in a Post-Secondary Natural Horsemanship Degree Program***  Eric Hoffmann and Dr. Shannon Arnold***Developmental evaluation of an international experience program for Louisiana 4-H members*** Shelli E. Danjean, Dr. Melissa Cater, Dr. J.C. Bunch***Understanding Why Family Units Become Involved in the Livestock Exhibition Industry: A Collective Instrumental Case Study***  Krysti L. Kelley, Marshall A. Baker, Avery Culbertson, J. Shane Robinson |

**Session D: Learning by Doing** Los Osos South

Discussant: *Brian Myers*

Facilitator: *Bryan Rank*

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| ***CDE Evaluation, Equity, and Cultural Strength in Agricultural Education*** Ashley Warfield-Oyirifi, Dr. Erica B. Thieman***A Motivational View of Preparing Successful Career Development Event Teams***  Amanda Bowling, Anna Ball |
| ***The Influence of a Horsemanship Camp on Youth Leadership Life Skill Development***  Amy Perry, Shannon Arnold, Dustin Perry |
| ***Student Perceptions of Soft Skills and Career Decision Self-Efficacy Attained Through Participation in SAE Programs*** |
|  Rebekah Haddad, Adam A. Marx |

**Session E: The Three-Circle Model**  Los Osos North

Discussant: *John Ramsey*

Facilitator: *Trent Wells*

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| ***Does Motivation Matter? Examining the Relationship between Student Motivation and Performance in Career Development Events***  |
|  Kevin Curry Jr., Jeremy Falk, Wendy Warner, Travis Park***Exploring the Role of Agricultural Education and Curriculum in Behavioral Change Among Youth in Appalachia*** |
|  Tori Summey, Kang Namkoong, Stacy K. Vincent, Joan Mazur, Alex P. Byrd***Examining Course Participation, Involvement, and Income in School-Based Agricultural Education*** |
|  Jonathan J. Velez, Haley Q. Clement, Aaron J. McKim***Supervision of School-based, Agricultural Education: A Historical Review*** Cassie M. Graham, M. Craig Edwards  |