**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 |