A logic model for agricultural literacy programming
Debra Spielmaker, Monica Pastor, and Denise Stewardson - Utah State University, University of Arizona, Utah State University

A new case for CASE
Candis Carraway, Jon Ulmer, CassiDe Street and Missi Barton - Texas Tech University

Agriculture in the nation’s capital: Organizing a study experience in Washington, D.C.
Courtney Meyers & Shannon Arnold - Texas Tech University & Montana State University

An implementation plan for urban agricultural extension education
Lindsay Breuler and Gary Straquadine - The Ohio State University

Becoming professionals: Utilizing ideas unlimited and professional development seminars to foster success in future teachers
Kellie Enns, Nathan Clark, and Michael Martin - Colorado State University

Can dexterity predict future performance of novice welders?
Alex Preston Byrd, Richard Stone, and Ryan Anderson - Iowa State University

Coaching the coaches: A course in experiential contest skill development and coaching methods for future educators
Kristin Stair - New Mexico State University

Collaboration between university faculty, state staff, and high school teachers to create instructional material: The creation of agricultural communications curriculum in Arkansas
Carley Calico and Leslie Edgar - University of Arkansas

Creating an app for an agricultural communications capstone magazine using Adobe desktop publishing suite
Chelsey Ann Ahrens and Faith Jurek - Texas Tech University

Creating communicators of tomorrow: Hosting a nominal group process meeting to evaluate and revise an agricultural communications degree program
Courtney Gibson, Erica Irlbeck, David Doerfert, Courtney Meyers, and Cindy Akers - Texas Tech University

Developing cultural competence through a peer-teaching approach
Ryan M. Foor, Allyson R. Arulanantham, Alexandria M. Biddle, Dustin M. Homan, Jessica L. Schroeder, and M. Susie Whittington - University of Arizona, The Ohio State University

Enhancing agricultural mechanics laboratory awareness with Snapchat: A snapshot of agricultural mechanics safety concerns
OP McCubbins, Ryan Anderson and Trent Wells - Iowa State University

Establishment of a new state agriscience research contest: A collaborative effort between FFA and 4-H
Hannah Scherer and Rebecca Landis - Virginia Polytechnic Institute and State University

Facilitating contextual learning through interdisciplinary teacher externships
Chaney Mosley and Beverley Flatt - Metro Nashville Public Schools
Feeding the world: An engaging, comprehensive sustainable agriculture curriculum
Mollie Aschenbrener - California State University, Chico

Forging community college and university collaboration through early field experience
Steven J. Rocca - California State University, Fresno

Guiding the writing process with intermittent feedback
Lori Costello, Holli Leggette, Tracy Rutherford and Deborah W. Dunsford - Texas A&M University

Hoophouses, worms and herbs - Closing the university food cycle loop
John Biernbaum, Laurie Thorp, Charles DeFeever and Matt R. Raven - Michigan State University

Implementing poll everywhere to encourage student participation
Gaea Wimmer Hock and Charles Freeman - Mississippi State University

Integrating undergraduate research in a service-learning agricultural communications campaigns course
Chelsey Ann Ahrens, Jaclyn Danae Roberts, Courtney Gibson and Erica Irlbeck - Texas Tech University

Leaving "pearls" of wisdom to enhance student understanding
Erica Irlbeck, Courtney Gibson and Amanda Garcia - Texas Tech University

Moving across the desk: From pupil to professional
Laura L. Sankey Rice, and Douglas T. Masser - The Pennsylvania State University, University of Idaho

Navigating different agricultural values
Michael Martin - Colorado State University

Project Imuris: An international microteaching experience
Edward Franklin - University of Arizona

Pump in a bucket: A photovoltaic teaching tool for instruction of direct current electricity to agriculture students
Edward Franklin - University of Arizona

Shuffling values: Using agriculture teacher values rummy in the development of teaching philosophies
Meghan Wood - North Carolina State University

Targeted conference interviews: Creating additional knowledge
Amy Vu, Matthew Spindler, Althea Whitter-Cummings, Donna Westfall-Rudd and Rick Rudd - Virginia Polytechnic Institute and State University

TEDx Nashville Ed – A vehicle for student voice
Beverley Flatt and Chaney Mosley - Metro Nashville Public Schools

The Nebraska food project: Origins, options, and impacts
Cory Epler, and Carol Ringenberg - Nebraska Department of Education

The flipped classroom for teaching supervised agricultural experience to students
Roger Hanagriff, Kirk Edney and John Rayfield - Texas A&M University

To blog, or not to blog: Using blogs as a tool to facilitate reflection and critical thinking
Timothy Bradford Jr. and Gaea Hock - Mississippi State University
Tuning in to cut down: Using radio broadcasts to deliver water conservation information
Mallory Newsom, Kelly Harkey, Courtney Meyers and Samantha Borstedt - Texas Tech University

Unclouding student learning: Using word clouds for student reflection
Courtney Gibson - Texas Tech University

Unfolding visions, values, and behaviors through Project – 2043
Meagan Scott, Nicholas R. Brown and Penny P. Weeks - Oklahoma State University

Using interactive gaming to introduce students to Gas Tungsten Arc Welding (GTAW)
Alex Preston Byrd, Ryan Anderson and Trent Wells - Iowa State University, Fayette County High School

Utilizing morae as a tool for conducting usability testing
Kelsey Hall and Courtney Meyers - Utah State University & Texas Tech University

Utilizing the Agricultural Marketing Resource Center (AgMRC) website to increase the critical thinking skills of secondary agricultural education students
Alex Preston Byrd, Ryan Anderson, Dustin Perry, and Trent Wells - Iowa State University, Fayette County High School

Virtual viewing: Utilizing webinars to enhance learning in post-secondary classrooms
Jaclyn F. Tweeten, Alex Preston Byrd and Lawrence Caudle - Iowa State University

We are FFA: Developing inclusive environments for FFA members
Ambra N. Tenney and Alee L. Gunderson - National FFA

What day Is It? Embracing a new approach to recruitment
Justin L. Killingsworth and Lucas D. Maxwell - Arkansas Tech University

RESEARCH POSTER SESSION – Wednesday, May 21 – 1-2:00 p.m.

4-H leaders’ perception of working with children with special needs.
Kristin Stair and Brenda Seevers - New Mexico State University

A comparison of agriculture teachers’ espoused and observed instructional practices for students with disabilities.
Justin Killingsworth, Anna Ball and Cathy Thomas - Arkansas Tech University & University of Missouri

A descriptive analysis of FFA members’ use of social media in Texas.
Lockie Breeding, Kasee Smith, Roger Hanagriff, and John Rayfield - Texas A&M University

A duroc and a Plymouth rock: The evolution of formal agriculture teacher training in the United States.
Meghan Wood - North Carolina State University

A longitudinal analysis of learning styles in agricultural education.
Kristin Stair, Dawn VanLeeuwen and Carlos Rosencrans - New Mexico State University

Agricultural laboratory safety education exposure levels of students participating in the 2013 Houston Livestock Show and Rodeo Agricultural Mechanics Project Show.
K. Geiken and P. Ryan Saucier - Texas State University

Agricultural mechanic skill development for pre-service teachers: An action research approach.
Nathan Clark, Kellie Enns and Michael Martin - Colorado State University
An assessment of extension needs: Communication in action.
Keegan D. Gay, Joy N. Rumble, and Alexa J. Lamm - University of Florida

An examination of advertising, marketing, and public relations for career academies.
Beverley Flatt and Chaney Mosley - Metro Nashville Public Schools

Are North Carolina State University Agricultural Education graduates making the G-grade?.
Joy Marshall and Jim Flowers - North Carolina State University

Assessing CDE coaching patterns for positive youth development in school-based agricultural education.
Kristina Haug, Justin Sharpless and Anna Ball - University of Missouri

College of Agriculture transfer students’ perspectives on their transfer experience.
Adam A. Marx and Jon C. Simonsen - University of Missouri

Consumer perceptions of Florida strawberries.
Taylor Ruth, Quisto D. Settle, and Joy N. Rumble - University of Florida

Effect of large lecture style class teaching experience on course evaluations.
Justin Sharpless - University of Missouri

Evaluating social media workshops for beginning farmers and ranchers.
Chris Morgan, Courtney Meyers, Katie Abrams, Courtney Gibson and Erica Irlbeck - University of Georgia, Texas Tech University, Colorado State University

Expressing diverse potential: A preliminary investigation on demographics to better understand minority student populations in Oklahoma.
Carmelita E. Goossen, Jon W. Ramsey, and Rose M. Bonjour - Oklahoma State University & Oklahoma Department of Career and Technology Education

Frequency of high school principal supervisory practices experienced in the nonformal components of agricultural education.
Thomas H. Paulsen and Robert A. Martin - Iowa State University

Generating peer feedback in student teaching: Utilizing the tuning protocol.
Taylorann Smith, Thomas H. Paulsen and Ryan Anderson - Iowa State University

Have we found the key to beginning teacher retention? A qualitative study of the NAAE award program for beginning teachers.
Meghan Wood - North Carolina State University

How safe are our laboratories for student learning? A focus on the professional development needs of California agricultural mechanics teachers.
P. Ryan Saucier, Billy R. McKim, and Michael Spiess - Texas State University, Texas A&M University, and California State University - Chico

Identifying agriculturists’ motivations and barriers to participate in online communication tool training workshops.
Amber Krause, Courtney Meyers, Kelsey Shaw, David Doerfert, Erica Irlbeck, Katie Abrams, and Chris Morgan - Texas Tech University, Colorado State University, University of Georgia
Impact of attitude and information preference on consumer trust of state and local food brands.  
Keegan D. Gay and Joy N. Rumble - University of Florida

Increasing Hispanic population in the State of Oklahoma: Challenges and opportunities for agricultural extension and research.  
Jose M. Uscanga and Maria G. Fabregas Janeiro - Oklahoma State University

Increasing student engagement through a career academy program.  
Cory Epler, Matt Kreifels and Mark Balschweid - Nebraska Department of Education, University of Nebraska-Lincoln

Anil Kumar Chaudhary and Rama Radhakrishna - Pennsylvania State University

Is it time to face the facts? What undergraduates really think of online courses.  
Catherine A. DiBenedetto and Jessica Holt - University of Florida

Knowledge and perception of agricultural communications curriculum pilot in Arkansas secondary agricultural classrooms.  
Carley Calico, Leslie D. Edgar, Don W. Edgar, Donald M. Johnson, and Hayley Jernigan - University of Arkansas

Perceptions and usage of communication tools by Iowa cattle producers.  
Jaclyn F. Tweeten, and Thomas H. Paulsen - Iowa State University

Pinning down farm life: A semiotic exploration of agricultural visual web content.  
Annie Specht and Emily Buck - University of Nebraska - Lincoln and The Ohio State University

Plant biotechnology education in Texas: Status and need for plant biotech education.  
Tim Murphy - Texas A&M University

Annie Specht - University of Nebraska - Lincoln

Record book seasonality in agricultural education: Does it exist and what are factors of influence?  
Roger Hanagriff, Kasee Smith and John Rayfield - Texas A&M University

Sowing the seeds of social media: Using a longitudinal evaluation to assess the effectiveness of a social media training workshop.  
Courtney Gibson, Amanda Garcia, Erica Irlbeck, and Courtney Meyers - Texas Tech University

The adoption of the CASE curriculum in Iowa.  
Molly Heintz and Michael Retallick - Iowa State University

The Influence of Age on the Perceived Importance and Usage of Electronic and Social Media Tools used by Iowa Cattle Producers.  
Jaclyn F. Tweeten and Thomas H. Paulsen - Iowa State University

The utilization of critical reflection by participants in agricultural leadership program.  
Avery Culbertson, Hannah S. Carter, and Kristin Stair, - New Mexico State University, University of Florida, New Mexico State University
Undergraduate perceptions of 21st century knowledge, skills and dispositions.
Catherine A. DiBenedetto, Erica L. Odera and Alexa J. Lamm - University of Florida

Understanding the role of agricultural education in global food security.
Sarahi, Morales, Todd Brashears, and Courtney Meyers - Texas Tech University

Using community-based social marketing as an extension education tool to achieve behavior change.
Liz Felter - University of Florida

Utilizing dexterity to predict future performance of beginning welders.
Alex Preston Byrd, Richard Stone, and Ryan Anderson - Iowa State University

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RESEARCH PRESENTATION SCHEDULE

Wednesday, May 21, 2:45 – 4:15 p.m.

Session A – Post-Secondary Education
Discussant: Bob Birkenholz, Ohio State University
Facilitator: Lockie Breeding, Texas A&M University
Location: Wasatch A

Where Are We Now? A Nationwide Look at Agricultural Leadership Education
Jonathan J. Velez, Oregon State University  Carrie A. Stephens, University of Tennessee
Aaron J. McKim, Oregon State University  Jon C. Simonsen, University of Missouri
Lori L. Moore, Texas A&M University

Perspectives on Agricultural Education at the University of Idaho
Jeremy Falk, University of Idaho  Carly Gerwig, University of Idaho
P. Troy White, University of Idaho  Kylie Shaul, University of Idaho

A Descriptive Study of College of Agriculture Faculty Perceptions of Student Skills, Faculty Competence in Teaching Areas, and Barriers to Improving Teaching
Shannon M. Blickenstaff  Jeremy M. Falk, University of Idaho
Kattlyn J. Wolf, University of Idaho  John C. Foltz, University of Idaho

The Effect of a Three-Day Professional Development on Climate Science on Teacher Attitudes toward Teaching Climate Science in the Classroom
P. Troy White, University of Idaho
Kattlyn J. Wolf, University of Idaho

Session B – Experiential Learning
Discussant: Barry Croom, North Carolina State University
Facilitator: Ashley Stewart, Texas A&M University
Location: Superior A

Knowledge And Perceptions Of Visual Communications Curriculum In Arkansas Secondary Agricultural Classrooms: A Closer Look At Experiential Learning Integration
Kristin Pennington, University of Arkansas  Leslie D. Edgar, University of Arkansas
Carley Calico, University of Arkansas  Don W. Edgar, University of Arkansas
The Effect of the Order of Experiential Learning Stage on Adult Learners’ Knowledge of Solar Energy
Catherine W. Shoulders, University of Arkansas  Donald M. Johnson, University of Arkansas
Jarred D. Wyatt, University of Arkansas

The Effects of Kolb’s Experiential Learning Model on Successful Intelligence in Secondary Agriculture Students
Marshall A. Baker, Oklahoma State University  J. Shane Robinson, Oklahoma State University

Relationships between the Cognitive and Affective Learning Domains of FFA Members Who Attended Oklahoma FFA Camp
Nicholas R. Brown, Oklahoma State University  Robert Terry, Jr., Oklahoma State University  J. Shane Robinson, Oklahoma State University

Session C – Skill Development
Discussant: Kirby Barrick, University of Florida  Facilitator: Lori Costello, Texas A&M University  Location: Superior B

Successful Supervised Agricultural Experience Programs as Defined by American FFA Degree Star Finalists
Eric D. Rubenstein, University of Florida  Andrew C. Thoron, University of Florida

Benefits of Career Development Events as Perceived by Agricultural Education Teachers in Oklahoma: A Delphi Study
Jerrod Lundry, Oklahoma State University  Jon W. Ramsey, Oklahoma State University  M. Craig Edwards, Oklahoma State University  J. Shane Robinson, Oklahoma State University

Describing the Relationship between Coaching Behaviors and Student Performance at the National FFA Parliamentary Procedure Career Development Event
Jeremy M. Falk, University of Idaho  Douglas T. Masser, University of Idaho  Haylee R. Palmer, University of Idaho  Daniel D. Foster, Pennsylvania State University

Experiential Learning and Student Safety: Planning for Student Safety with Supervised Agricultural Experience (SAE) Supervision
Rebecca G. Lawver, Utah State University  Michael L. Pate, Utah State University

Session D – Critical Thinking
Discussant: Rick Rudd, Virginia Polytechnic Institute and State University  Facilitator: Kasee Smith, Texas A&M University  Location: White Pine

Socioscientific Issues-based Instruction: An Investigation of Agriscience Students’ Argumentation Skills based on Student Variables
Jarred D. Wyatt, University of Arkansas  Catherine W. Shoulders, University of Arkansas  Brian E. Myers, University of Florida
Engine Trouble? Effects of Cognitive Style and Problem Complexity on Preservice Agriculture Teachers’ Ability to Solve Problems in Agricultural Mechanics
J. Joey Blackburn, Washington State University
J. Shane Robinson, Oklahoma State University
Alexa J. Lamm, University of Florida

Influence of FFA Activities on Critical Thinking Skills in Texas Three-Star FFA Chapters
Lindsey Latham, Texas A&M University
John Rayfield, Texas A&M University
Lori Moore, Texas A&M University

Establishing a Benchmark for Critical Thinking within a Department of Agricultural Education and Studies
Dustin K. Perry, Iowa State University
Michael S. Retallick, Iowa State University
Thomas H. Paulsen, Iowa State University

Session E – Agricultural Mechanics
Discussant: Tim Murphy, Texas A&M University
Facilitator: Ryan Saucier, Texas State University – San Marcos
Location: Wasatch B

Assessing the Impact of Sequencing Practicums for Welding in Agricultural Mechanics
Malcolm Rose, Wasatch High School, Heber City, UT
Michael L. Pate, Utah State University
Rebecca G. Lawver, Utah State University
Brian K. Warnick, Utah State University
Xin Dai, Utah Agricultural Experiment Station

Does the Number of Post-secondary Agricultural Mechanics Courses Completed Affect Teacher Competence?
Alex Preston Byrd, Iowa State University
Ryan G. Anderson, Iowa State University
Thomas H. Paulsen, Iowa State University
Matthew J. Shultz, Murray State University

Does Agricultural Mechanics Laboratory Size Affect Agricultural Education Teachers’ Job Satisfaction?
Alex Preston Byrd, Iowa State University
Ryan G. Anderson, Iowa State University
Thomas H. Paulsen, Iowa State University
Matthew J. Shultz, Murray State University

Effect of Student-Centered and Teacher-Centered Laboratory Instruction on Students’ Content Knowledge and Activity Perception
Carmelita E. Goossen, Oklahoma State University
Amanda Kacal, Oklahoma State University
Richie Roberts, Oklahoma State University
Ashley S. Whiddon, Oklahoma State University
J. Shane Robinson, Oklahoma State University

Thursday, May 22, 2:15 – 3:45 p.m.

Session A – Agricultural Communications
Discussant: Emily Buck, Ohio State University
Facilitator: Jaclyn Tweeten, Iowa State University
Location: White Pine

Agriculturists’ Personal and Business Use of Online Communication Tools
Kelsey Shaw, Texas Tech University
Courtney Meyers, Texas Tech University
Erica Irlbeck, Texas Tech University
David Doerfert, Texas Tech University
Katie Abrams, Colorado State University
Chris Morgan, University of Georgia
**The Capacity of Texas Alliance for Water Conservation (TAWC) Producers to Share Information with Other Producers: A Social Network Analysis of Within and Outside of Project Interaction**

Nellie Hill, Kansas Department of Agriculture  
Cindy Akers, Texas Tech University  
David L. Doerfert, Texas Tech University  
Courtney Meyers, Texas Tech University

**Agricultural Communications Programs: A National Portrait of Undergraduate Courses**

Karen J. Cannon, University of Nebraska, Lincoln  
Annie R. Specht, Ohio State University  
Emily Buck, Ohio State University

**Knowledge and Perceptions of Agricultural Communications Pilot Curriculum in Arkansas Secondary Agricultural Classrooms**

Carley Calico, University of Arkansas  
Don W. Edgar, University of Arkansas  
Leslie D. Edgar, University of Arkansas  
Don M. Johnson, University of Arkansas

**Session B – STEM Integration**

Discussant: Craig Edwards, Oklahoma State University  
Facilitator: Tre Easterly, University of Florida  
Location: Wasatch B

**Agricultural Mechanics as Agriscience: Secondary Teacher Perceptions in Idaho**

P. Troy White, University of Idaho  
Kattlyn J. Wolf, University of Idaho

**Perceptions of Secondary School Agriculture Teachers regarding Teaching about Biomass Production in Iowa**

Guang Han, Iowa State University  
Robert Martin, Iowa State University

**Can Scientific Reasoning Scores Predict the Likelihood of SBAE Students’ Intent to Pursue a STEM Career, a Career in Agriculture, or Plan to Attend College?**

Catherine A. DiBenedetto, University of Florida  
R.G. Easterly III, University of Florida  
Brian E. Myers, University of Florida

**Effects of Integrating Mathematical Concepts into an Animal Science Curriculum**

Andrea R. Clark Gardner, Utah State University  
Brian K. Warnick, Utah State University  
Rebecca G. Lawver, Utah State University

**Session C – Urban Agricultural Education**

Discussant: Brian Warnick, Utah State University  
Facilitator: Meghan Wood, North Carolina State University  
Location: Wasatch A

**Informing Extension Programming with Research: A Look into Local Food**

Keegan. D. Gay, University of Florida  
Joy. N. Rumble, University of Florida  
Alexa. J. Lamm, University of Florida
Experiences of Hispanic Students Enrolled in a Secondary Agricultural Education Program
Ann M. De Lay, California Polytechnic State University, San Luis Obispo
Karina Salomon, California Polytechnic State University, San Luis Obispo
José Vargas, California Polytechnic State University, San Luis Obispo

Paxton Revisited: The Essence of the Lived Experiences of Urban Agricultural Education Students
Nicholas R. Brown, Oklahoma State University
Richie Roberts, Oklahoma State University
Ashley S. Whiddon, Oklahoma State University
Carmelita Goossen, Oklahoma State University
Amanda Kacal, Oklahoma State University

Urban FFA Members’ Sense of the Organizational Culture of the FFA as Experienced through the National FFA Convention
Michael J. Martin, Colorado State University
Tracy Kitchel, University of Missouri

Session D – School-Based Agricultural Education
Discussant: Greg Miller, Iowa State University
Facilitator: Joy Marshall, North Carolina State University
Location: Superior A

Clashing of Views: Agricultural Education Students’ Conceptualization of Agricultural Values
Michael J. Martin, Colorado State University
Kellie J. Enns, Colorado State University

Identifying the Characteristics, Use, Perceptions, and Barriers of the School Farm
Angela Gilbert, Texas Tech University
Jonathan D. Ulmer, Texas Tech University
Scott Burris, Texas Tech University
Rudy A. Ritz, Texas Tech University

Teacher Perceptions of Adult Volunteers Serving Local, School-based Agricultural Education Programs
Stephen Tillinghast, Oklahoma State University
Jon W. Ramsey, Oklahoma State University
Robert Terry, Jr., Oklahoma State University

Inquiry-based Instruction: Perceptions of National Agriscience Teacher Ambassadors
Jessica M. Blythe, University of Florida
Catherine A. DiBenedetto, University of Florida
Brian E. Myers, University of Florida

Session E – Teacher Recruitment and Retention
Discussant: Jim Flowers, North Carolina State University
Facilitator: Baleshka Brenes, Texas A&M University – Commerce
Location: Superior B

Factors Contributing to Attrition as Reported by Leavers of Secondary Agriculture Programs
Laura L. Lemons, Mississippi State University
Todd Brashears, Texas Tech University
Scott Burris, Texas Tech University
Courtney Meyers, Texas Tech University
Margaret (Peggie) Price, Texas Tech University

An Examination of Professional Commitment, Job Satisfaction, and Perceived Ability to Achieve Work-Life Balance among Oregon Agriculture Teachers
Tyson J. Sorensen, Oregon State University
Aaron J. McKim, Oregon State University
Investigating the Influence of Cooperating Teachers on Student Teachers’ Intent to Teach
Gaea Wimmer Hock, Mississippi State University  Scott Burris, Texas Tech University
Todd Brashears, Texas Tech University  Steve Fraze, Texas Tech University

Phases of Beginning Teacher Development and the Relationship to Concerns Expressed by Agricultural Education Student Teachers
Jaclyn F. Tweeten, Iowa State University  Thomas H. Paulsen, Iowa State University  Ryan G. Anderson, Iowa State University

Friday, May 23, 8:30 – 10:00 a.m.

Session A – High Impact Educational Practices
Discussant: Jack Elliot, Texas A&M University
Facilitator: Alex Byrd, Iowa State University
Location: Superior A

Determining the Effectiveness of Teaching Personal Development at an FFA Camp
Kevin D. Herndon, University of Kentucky  Rebekah B. Epps, University of Kentucky  Joenelle L. Futrell, University of Florida  Kristie B. Guffey, Division of College and Career Readiness, Kentucky Department of Education

The Cultural Adaptation Process of Agricultural and Life Sciences Students on Short-term Study Abroad Experiences
Nathan W. Conner, Tennessee Tech University  T. Grady Roberts, University of Florida

Service-Learning’s Journey as a Method of Instruction in Agricultural Education: Dewey’s Presaging and the Method’s Development during the 20th Century and Beyond
Richie Roberts, Oklahoma State University  M. Craig Edwards, Oklahoma State University

Using Reflective Journals to Compare an International Faculty-Led Study Tour and Student Internship Experience
Amanda Northfell, University of Arkansas  Hayley Jernigan, University of Arkansas  Leslie D. Edgar, University of Arkansas

Session B – History of Agricultural Education
Discussant: Gary Moore, North Carolina State University
Facilitator: Kristin Stair, Louisiana State University
Location: White Pine

Use of Citations within Manuscripts Published by the Journal of Agricultural Education
Hanna E. Kildow, University of Arkansas  Kate W. Shoulders, University of Arkansas  Bryan W. Zimmerman, University of Arkansas  Donald M. Johnson, University of Arkansas
The Merger of the NFA & FFA: A Determination of Barriers to Success
Donald F. Gilman, Lee County High School
Brian A. Parr, Auburn University
Jason B. Peake, University of Georgia

The Merger of the NFA & FFA: Perceptions of White Educators of the Period
Donald F. Gilman, Lee County High School
Brian A. Parr, Auburn University
Jason B. Peake, University of Georgia

The Development of Agricultural Education in the Pacific Northwest
P. Troy White, University of Idaho
James J. Connors, University of Idaho
Kattlyn J. Wolf, University of Idaho

Session C – Knowledge, Behavior, and Attitudes
Discussant: Steve Fraze, Texas Tech University
Facilitator: Candis Carraway, Texas Tech University
Location: Wasatch A

The Relationship between Agriculture Knowledge Bases for Teaching and Sources of Knowledge
Amber Rice, University of Missouri
Tracy Kitchel, University of Missouri

Are We Preparing Teachers for the Challenging Times? Physiological Stress Impacting pre-service Agricultural Educators
Erica B. Thieman, University of Illinois at Urbana-Champaign
Tracy Kitchel, University of Missouri

Introducing Prospect Evaluation Through Exploring Great Plains Wheat Producers’ Behaviors and Attitudes Regarding Web 2.0 Technology
Nicholas R. Brown, Oklahoma State University
Kathleen D. Kelsey, University of Georgia

Deconstructing Content Knowledge: Coping Strategies and their Underlying Sources of Motivation for Beginning Agriculture Teachers
Amber Rice, University of Missouri
Tracy Kitchel, University of Missouri

Session D - Needs Assessment
Discussant: Donna Graham, University of Arkansas
Facilitator: Sarahi Morales, Texas Tech University
Location: Wasatch B

Needs Assessment for Prospective Hispanic Farmers and Ranchers
Baleshka Brenes, Texas A&M University-Commerce
Robert Williams, Texas A&M University-Commerce
Teresa Duch, Texas A&M University-Commerce
Jim Heitholt, Texas A&M University-Commerce
**Identifying Agriculturists’ Online Communication Tool Training Needs**
Courtney Meyers, Texas Tech University  
David Doerfert, Texas Tech University  
Kelsey Shaw, Texas Tech University  
Katie Abrams, Colorado State University  
Erica Irlbeck, Texas Tech University  
Chris Morgan, University of Georgia

**Knowledge, Skills, and Competencies Needed for Agricultural Communications Graduates: A Delphi Study**
Corey Ann Clem, Texas Tech University  
Scott Burris, Texas Tech University  
David Doerfert, Texas Tech University  
Keith Brigham, Texas Tech University  
Cindy Akers, Texas Tech University

**Perceptions and Training Needs of North Carolina Agriculture Teachers for Preparing Them to Be Effective Educators in the 21st Century**
R. Jason Davis, North Carolina State University  
K. S. U. Jayaratne, North Carolina State University

**Session E - Self-Efficacy**
Discussant: Travis Park, North Carolina State University  
Facilitator: OP McCubbins, Iowa State University  
Location: Superior B

**Examining New Relationships: Agriculture Teachers’ Self-Efficacy and Career Commitment**
Aaron J. McKim, Oregon State University  
Jonathan J. Velez, Oregon State University

**Identifying Influential Factors to Agriculture Teachers’ Self-Efficacy**
Aaron J. McKim, Oregon State University  
Jonathan J. Velez, Oregon State University

**Analyzing the Relationship between Teacher Development Experiences and Agriculture Teachers’ Self-Efficacy**
Aaron J. McKim, Oregon State University  
Jonathan J. Velez, Oregon State University

**Undergraduate Students Self-efficacy Related to the Performance of Animal Handling and Management Techniques: Implications for Pre-service Teachers**
Jon W. Ramsey, Oklahoma State University  
Rachel Thornburg, Oklahoma State University  
Blake Bloombert, Oklahoma State University