# A Texas Frame of Mind:
Sharing Agricultural Education Research and Innovation

2015 AAAE National Conference
May 19-22, 2015 – Embassy Suites Hotel on the Riverwalk, San Antonio, Texas

## MONDAY, May 18

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00 – 8:00 pm</td>
<td>AAAE Teacher Education Standards Committee Meeting</td>
<td>Texas A</td>
</tr>
</tbody>
</table>

## TUESDAY, May 19

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:15 am – 1:00 pm</td>
<td>Tour of James Madison High School (buses leave from lobby at 8:15)</td>
<td>James Madison</td>
</tr>
<tr>
<td>1:00 – 5:00 pm</td>
<td>CONFERENCE REGISTRATION</td>
<td>Prefunction Area</td>
</tr>
<tr>
<td>1:00 – 5:00 pm</td>
<td>AAAE Teacher Education Standards Committee Meeting</td>
<td>Texas A</td>
</tr>
<tr>
<td>3:00 – 4:30 pm</td>
<td>NCAC024 Development Session – Research Teams</td>
<td>Majestic B</td>
</tr>
<tr>
<td>3:00 – 4:30 pm</td>
<td>AAAE Board of Directors Meeting</td>
<td>Aztec</td>
</tr>
<tr>
<td>3:00 – 4:30 pm</td>
<td>Journal of Agricultural Education Editing/Managing Board Meeting</td>
<td>Majestic A</td>
</tr>
<tr>
<td>4:00 – 5:00 pm</td>
<td>Early Career Reception and Mentoring</td>
<td>Majestic C</td>
</tr>
<tr>
<td>6:00 – 7:00 pm</td>
<td>Opening General Session</td>
<td>Majestic A and B</td>
</tr>
<tr>
<td>7:00 – 8:00 pm</td>
<td>Barrick Seminar</td>
<td>Majestic A and B</td>
</tr>
<tr>
<td>8:00 – 9:00 pm</td>
<td>Innovative Poster Session</td>
<td>Prefunction Area</td>
</tr>
</tbody>
</table>

## WEDNESDAY, May 20

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 am – 12:00 pm</td>
<td>CONFERENCE REGISTRATION</td>
<td>Prefunction Area</td>
</tr>
<tr>
<td>6:30 – 8:30 am</td>
<td>Breakfast Buffet</td>
<td>Atrium</td>
</tr>
<tr>
<td>8:30 – 10:00 am</td>
<td>AAAE Special Interest Group (SIG) Meetings</td>
<td>Locations listed at registration desk</td>
</tr>
<tr>
<td>10:00 – 10:15 am</td>
<td>Break</td>
<td>Prefunction Area</td>
</tr>
<tr>
<td>10:15 – 11:45 am</td>
<td>AAAE General Session and Distinguished Lecture</td>
<td>Majestic A and B</td>
</tr>
<tr>
<td>11:45 am – 1:00 pm</td>
<td>Lunch on Your Own</td>
<td></td>
</tr>
<tr>
<td>1:00 – 2:00 pm</td>
<td>Research Poster Session</td>
<td>Prefunction Area</td>
</tr>
<tr>
<td>2:00 – 3:30 pm</td>
<td>AAAE Research Sessions</td>
<td>Texas B</td>
</tr>
<tr>
<td></td>
<td>Session A – Higher Education and Academic Programs</td>
<td>Texas A</td>
</tr>
<tr>
<td></td>
<td>Session B – Food Systems</td>
<td>Aztec</td>
</tr>
<tr>
<td></td>
<td>Session C – Agricultural Mechanics</td>
<td>Majestic C</td>
</tr>
<tr>
<td></td>
<td>Session D – Experiential Learning</td>
<td>Majestic A</td>
</tr>
<tr>
<td></td>
<td>Session E – School-Based Agricultural Education and FFA</td>
<td></td>
</tr>
<tr>
<td>3:30 – 3:45 pm</td>
<td>Break</td>
<td>Prefunction Area</td>
</tr>
<tr>
<td>3:45 – 4:30 pm</td>
<td>Knapp Seminar</td>
<td>Majestic A and B</td>
</tr>
<tr>
<td></td>
<td>“International Agriculture and Food Security”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dr. Elsa Murano, Director, Borlaug Institute for International Agriculture; Professor and President Emerita, Texas A&amp;M University</td>
<td></td>
</tr>
<tr>
<td>4:30 – 6:00 pm</td>
<td>AAAE Committee Meetings</td>
<td>Texas A</td>
</tr>
<tr>
<td></td>
<td>Research Committee</td>
<td>Texas B</td>
</tr>
<tr>
<td></td>
<td>Professional Development Committee</td>
<td>Aztec</td>
</tr>
<tr>
<td></td>
<td>Program Improvement Committee</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Member Services Committee</td>
<td>Majestic C</td>
</tr>
<tr>
<td>6:30 – 8:00 am</td>
<td>Breakfast Buffet</td>
<td>Atrium</td>
</tr>
<tr>
<td>7:00 – 8:00 am</td>
<td>Academy of Fellows Meeting</td>
<td>Texas A</td>
</tr>
<tr>
<td>8:00 – 9:30 am</td>
<td>Professional Development Sessions</td>
<td>Majestic A and C</td>
</tr>
<tr>
<td></td>
<td>“Best Practices for Submitting and Reviewing Articles”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>JAE Managing and Editing Board</td>
<td></td>
</tr>
<tr>
<td></td>
<td>“Team-Based Learning: Engaging Students in a 'Flipped' Course Design to Meet the Needs of 21st Century Learners”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>OP McCubbins, Thomas Paulsen, and Ryan Anderson</td>
<td></td>
</tr>
</tbody>
</table>

## THURSDAY, May 21

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30 – 8:00 am</td>
<td>Breakfast Buffet</td>
<td>Atrium</td>
</tr>
<tr>
<td>7:00 – 8:00 am</td>
<td>Academy of Fellows Meeting</td>
<td>Texas A</td>
</tr>
<tr>
<td>8:00 – 9:30 am</td>
<td>Professional Development Sessions</td>
<td>Majestic A and C</td>
</tr>
<tr>
<td></td>
<td>“Best Practices for Submitting and Reviewing Articles”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>JAE Managing and Editing Board</td>
<td></td>
</tr>
<tr>
<td></td>
<td>“Team-Based Learning: Engaging Students in a 'Flipped' Course Design to Meet the Needs of 21st Century Learners”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>OP McCubbins, Thomas Paulsen, and Ryan Anderson</td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td>Activity</td>
<td>Location</td>
</tr>
<tr>
<td>------------------</td>
<td>---------------------------------------------------------------------------</td>
<td>-------------------</td>
</tr>
<tr>
<td>9:30 – 9:45 am</td>
<td>Break</td>
<td>Prefunction Area</td>
</tr>
<tr>
<td>9:45 – 11:45 am</td>
<td><strong>Disciplinary Caucus Sessions</strong></td>
<td>Texas A</td>
</tr>
<tr>
<td></td>
<td>Teacher Education – Susie Whittington, Facilitator</td>
<td>Majestic B</td>
</tr>
<tr>
<td></td>
<td>Agricultural Communication – David Doerfert, Facilitator</td>
<td>Texas A</td>
</tr>
<tr>
<td></td>
<td>Agricultural Leadership – Mark Balschweid, Facilitator</td>
<td>Texas A</td>
</tr>
<tr>
<td></td>
<td>Extension – Domestic and International – Amy Harder, Facilitator</td>
<td>Majestic A and B</td>
</tr>
<tr>
<td>12:15 – 1:45 pm</td>
<td><strong>Keynote Address and Lunch</strong></td>
<td>Majestic A and B</td>
</tr>
<tr>
<td></td>
<td>“The Importance of Social Science Research in a Federal Context”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dr. Robbin Shoemaker, National Program Leader, USDA NIFA</td>
<td></td>
</tr>
<tr>
<td>2:00 – 3:15 pm</td>
<td><strong>AAAE General Business Meeting</strong></td>
<td>Majestic A and B</td>
</tr>
<tr>
<td>3:15 – 3:30 pm</td>
<td>Break</td>
<td>Prefunction Area</td>
</tr>
<tr>
<td>3:30 – 5:00 pm</td>
<td><strong>AAAE Research Sessions</strong></td>
<td>Majestic C</td>
</tr>
<tr>
<td></td>
<td>Session A – Pre-Service Teachers and Student Teaching</td>
<td>Texas B</td>
</tr>
<tr>
<td></td>
<td>Session B – Agricultural Communication and the AAAE Profession</td>
<td>Majestic C</td>
</tr>
<tr>
<td></td>
<td>Session C – Attrition and Beginning Teachers</td>
<td>Aztec</td>
</tr>
<tr>
<td></td>
<td>Session D – Higher Education and Extension</td>
<td>Texas A</td>
</tr>
<tr>
<td></td>
<td>Session E – Extension and Nonformal Education Volunteers</td>
<td>Majestic A and B</td>
</tr>
<tr>
<td></td>
<td><strong>Dinner and Evening on Your Own – Explore the Riverwalk and San Antonio</strong></td>
<td></td>
</tr>
</tbody>
</table>

**FRIDAY, May 22**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30 – 8:30 am</td>
<td>Breakfast Buffet</td>
<td>Atrium</td>
</tr>
<tr>
<td>8:30 – 10:00 am</td>
<td><strong>AAAE Research Sessions</strong></td>
<td>Texas B</td>
</tr>
<tr>
<td></td>
<td>Session A – Global and Cultural Education</td>
<td>Majestic C</td>
</tr>
<tr>
<td></td>
<td>Session B – School-Based Agricultural Education</td>
<td>Texas B</td>
</tr>
<tr>
<td></td>
<td>Session C – Science, Math, and Literacy</td>
<td>Aztec</td>
</tr>
<tr>
<td></td>
<td>Session D – Professional Development</td>
<td>Majestic A</td>
</tr>
<tr>
<td></td>
<td>Session E – Secondary Agricultural Education Students</td>
<td>Texas A</td>
</tr>
<tr>
<td>10:00 – 10:30 am</td>
<td>Break</td>
<td>Prefunction Area</td>
</tr>
<tr>
<td>10:15 – 11:45 am</td>
<td><strong>AAAE General Business Meeting</strong></td>
<td>Majestic A and B</td>
</tr>
<tr>
<td>12:15 – 1:30 pm</td>
<td><strong>AAAE Awards Luncheon</strong></td>
<td>Majestic A and B</td>
</tr>
<tr>
<td>2:00 – 3:00 pm</td>
<td><strong>AAAE Board of Directors Meeting</strong></td>
<td>Texas B</td>
</tr>
</tbody>
</table>

**SCHEDULE OF ADDITIONAL ACTIVITIES TAKING PLACE DURING CONFERENCE**

**Tuesday, May 19**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 am – 12:00 pm</td>
<td>Texas A&amp;M/Texas Tech Doc @ a Distance</td>
<td>Empire Boardroom</td>
</tr>
<tr>
<td>10:00 am – 12:00 pm</td>
<td>W2006 Multistate Agricultural Literacy Research Committee</td>
<td>Texas B</td>
</tr>
<tr>
<td>1:00 – 5:00 pm</td>
<td>Great Plains Ag&quot;Idea</td>
<td>Texas B</td>
</tr>
<tr>
<td>1:30 – 5:00 pm</td>
<td>S1067 STEM Content in Agriscience Education Multistate Research Committee</td>
<td>Empire Boardroom</td>
</tr>
<tr>
<td>9:00 – 11:00 pm</td>
<td>University of Missouri Alumni Social</td>
<td>Location TBD</td>
</tr>
</tbody>
</table>

**Wednesday, May 20**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 – 8:30 am</td>
<td>Department Chairs and NCAC024 Multi-State Committee Meeting</td>
<td>Texas A</td>
</tr>
<tr>
<td>11:45 am – 1:00 pm</td>
<td>The Ohio State University Alumni Luncheon</td>
<td>Rita’s on the River</td>
</tr>
<tr>
<td>6:30 pm</td>
<td>Texas A&amp;M/Texas Tech Alumni Dinner</td>
<td>Iron Cactus Mexican Grill</td>
</tr>
</tbody>
</table>

**Thursday, May 21**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:00 pm (leave hotel at 5:45)</td>
<td>University of Florida Alumni Dinner</td>
<td>Republic of Texas</td>
</tr>
</tbody>
</table>
INNOVATIVE POSTER SESSION – Tuesday, May 19 – 8-9:30 p.m.

A rigorous teaching experience through a middle school agriscience field day
Thomas Dormody, Peter Skelton, Kyra Grant and Patricia Dappen – New Mexico State University

Agricultural education teacher trading cards
Carly Gerwig, Jeremy Falk, and Allison Touchstone – University of Idaho

Authentic assessment through a barbeque build-off
Robert L. Williams, Colten Froneberger, and Dan Froneberger – Texas A&M University - Commerce

Be our guest! Put our students to the test
Elissa McLerran and Erica Irlbeck – Texas Tech University

Bringing global agriculture to summer school: The Governor’s School experience
Melanie Miller Foster, Nur Husna, Abd Wahid and Daniel Foster – Pennsylvania State University

Closing the distance in distance education: The use of video-recorded feedback to enhance student understanding
Catherine W. Shoulders – University of Arkansas

Common ground: Why should university faculty partner with Virginia Cooperative Extension?
Karen Roth Gehrt and Althea Whitter-Cummings – Virginia Tech

Creative use of technology to encourage human connection and increase ag literacy: #AgItForward
Anna Bates and Theresa Pesl Murphrey – Texas A&M University

Cultivating hybrid vigor for innovation in school-based agricultural education through online professional development episodes
Laura Rice and Daniel Foster – Pennsylvania State University

Cultivating self-directed learning: Early field experience reading program for teacher candidates
Laura Rice and Daniel Foster – Pennsylvania State University

Developing pragmatic research consumers through action-based research project in agricultural education teaching internships
Laura Rice and Daniel Foster – Pennsylvania State University

Do it for the vine: Micro-vlogging for review and reflection in an introductory agriculture course
Garrett Steede – Fort Hays State University

Engaging international student organizations to develop global competency in students of agriculture
Nur Husna, Abd Wahid, Melanie Miller Foster and Daniel Foster – Pennsylvania State University

Evaluating the usability of websites: An introduction to heat maps
Laura M. Gorham – Texas Tech University; Shuyang Qu, Alexa J. Lamm, and Ricky W. Telg – University of Florida

Exposing students to laboratory instructional experiences in agricultural education
Lauren Irby, Jon W. Ramsey and J. Shane Robinson – Oklahoma State University

Game-based learning: Getting students to go ‘Kahoot’ for assessments
Josie McQuillen, OP McCubbins, Thomas H. Paulsen, and Ryan Anderson – Iowa State University

Graduate Extension Scholars pilot program: Preparing the next generation of agricultural scientists to engage in quality outreach
Hannah Scherer and Ayla Wilk – Virginia Tech

Improving preservice teachers’ technical content knowledge through virtual labs
Sable Sellick, Catherine W. Shoulders and David E. Longer – University of Arkansas

Incorporating experiential learning principles into a methods of teaching agricultural mechanics course to develop preservice agriculture teachers' classroom management competencies
Trent Wells and Ryan Anderson – Iowa State University

Incorporating the flipped classroom approach into an agricultural communications classroom
Libby Durst and Courtney Meyers – Texas Tech University
Integrating fundamentals of agriscience through 4-H record books
Jessica Tussing and Hannah Scherer – Virginia Tech

Legacy leadership: A new leadership development program for Florida Department of Agriculture employees
Edward Osborne, Joe Joyce and Hannah Carter – University of Florida

Meeting the challenges of managing volunteers in the digital age: Facilitating the mentorship of African agribusiness entrepreneurs
Lisa K. Taylor, Jon W. Ramsey and M. Craig Edwards – Oklahoma State University

“Movie Night”: Using collaborative reflection for microteachings
Nick Adams and Kristin Stair – Louisiana State University

New technology meets traditional home visits: Using Instagram to engage secondary agricultural science students
Anna Bates and Theresa Peal Murphrey – Texas A&M University

Nonlinguistic representation of the Ag Ed philosophy
Gaea Hock and T.J. Bradford – Mississippi State University

Providing an international learning experience for undergraduate students without leaving home
M. Craig Edwards, Shelly Sittin, Assoumane M. Maiga, Jose M. Uscanga, Stephen C. Mukembo, Lisa K. Taylor, Brentney Maroney, and D. Dwayne Cartmell II – Oklahoma State University

Public service announcement: Spreading farm safety awareness through the use of the mobile application, Glide
Lawrence Caudle, OP McCubbins, Thomas H. Paulsen and Ryan Anderson – Iowa State University

Stepping outside of comfort zones through the use of service learning
Joy Morgan and Elizabeth Wilson – North Carolina State University

Teach Ag! Avengers: Heroes in agricultural education recruitment
Daniel Foster, John Ewing and Laura Rice – Pennsylvania State University

Teach Ag! Genius Hour: Cultivating passion and innovation (#TeachAgGenius)
Daniel Foster – Pennsylvania State University

Teacher professional development: Modules of instruction for students with disabilities
Rachel Manning and Andrew C. Thoron – University of Florida

The five essential elements of supervised agriculture experience programs
R. G. Easterly Ill and Brian E. Myers – University of Florida

Using Google analytics to assess the use of online resources in agricultural education
Clayton Zwilling, Roger Hanagriff, and John Rayfield, – Texas A&M University

Utilizing Celly technology to encourage student participation in an undergraduate agricultural education classroom
Alyssa Barrett and Gaea Hock – Mississippi State University

Utilizing endowment funds to enhance community viability
Dana Hogg and Rick Rudd – Virginia Tech

Utilizing GradeCam to foster immediate feedback for learners
OP McCubbins – Iowa State University

Utilizing industry experts to enhance the agricultural mechanics instruction
Shawn Anderson and Ryan Anderson – Iowa State University

Who provides? Ag provides: A Social agricultural awareness campaign.
Mark S. Hainline, Laura M. Gorham, Cody Trimble, and Courtney D. Gibson – Texas Tech University

Word-phobia: Using writing apprehension as a learning tool in agricultural communications classrooms
Laura M. Gorham, Courtney Gibson, Lindsay W. Kennedy, and Courtney Meyers – Texas Tech University
RESEARCH POSTER SESSION – Wednesday, May 20 – 1:00-2:00 p.m.

A comparison of academic engagement indicators between female and male students at the University of Arkansas
Hanna K. Estes, Catherine W. Shoulders, Donald M. Johnson, Leslie D. Edgar, K. Jill Rucker and Donna L. Graham – University of Arkansas

A demographical analysis of diversity/multicultural training among high school agricultural education teachers across six states
Douglas D. LaVergne and Hari K. Vommi – Texas A&M University - Commerce

Agricultural knowledge and perceptions among students enrolled in agriscience programs in Texas counties bordering Mexico
Isabel Whitehead and Christopher M. Estepp – Sul Ross State University

An exploration of perceptions and attitudes of Senegalese professors toward learner-centered instructional strategies in agriculture courses
Wangui Gichane, Ozzie A. Abeye and James C. Anderson II – Virginia Tech

Bringing balance to the force: Insights into why males enter the field of teaching agriculture
Ann M. DeLay, Benjamin G. Swan, Erin Gorter, and Clemente Ayon – California Polytechnic State University - San Luis Obispo

Cooperation based AET instructor professional development in Nigeria
Matthew Spindler – Virginia Tech

Creating international awareness and global competence among undergraduate students: Using international students as authentic learning resources
Assoumane A. Maiga, Fred N. Matofari, and M. Craig Edwards – Oklahoma State University

Determining teachers’ agricultural safety and health level of instructional practices
Benjamin Swan – California Polytechnic State University - San Luis Obispo

Disciplinary core ideas in the agriculture, food and natural resources career pathways
R. Kirby Barrick, Seth Heinert, and Brian E. Myers – University of Florida

Does the quantity of agricultural mechanics training received as secondary students affect teacher competence
Denise Mills, Ryan Anderson and Thomas H. Paulsen – Iowa State University

Does the quantity of agricultural mechanics training received at the secondary level impact teacher perceived importance to teach agricultural mechanics skills?
John Rasty, Ryan Anderson and Thomas H. Paulsen – Iowa State University

Encouraging undergraduate students in agriculture to pursue international experiences: Preference and motivation
Katy Lane and Theresa Pesi Murphrey – Texas A&M University

Environmental learner outcomes assessment: How do Department of Agricultural Education and Studies students compare to national norms?
Thomas H. Paulsen, Michael S. Retallick, Ryan G. Anderson and Awoke Dollisso – Iowa State University

Evaluating interns: An analysis of supervisors’ satisfaction of agricultural communications interns
Laura M. Gorham, Erica Irlbeck, Courtney Meyers and Makenna Lange – Texas Tech University

Examining E-Extension: Diffusion, disruption, and rate of adoption among Iowa extension professionals
Cayla Taylor and Greg Miller – Iowa State University

Fracking frames: A framing analysis and comparative study of hydraulic fracturing coverage in American newspapers.
Cara Lawson, Emily Buck, and Gary Straquadine – The Ohio State University

Generational differences in food safety behaviors and obtaining food safety knowledge
Taylor K. Ruth, Arthur Leal, and Joy N. Rumble – University of Florida

Impact of influential people and timing of the college decision-making process
Steven J. Rocca and Rosco Vaughn – California State University, Fresno

Impacts of a skill development course on teacher candidate confidence in their knowledge, skill, experience, and teaching of common power tools
Nathan Clark and Kellie Enns – Colorado State University
Influencing change: Agricultural producers' use of the Texas Alliance for Water Conservation's communication efforts
Libby Durst and Courtney Meyers – Texas Tech University

International agricultural concepts through the eyes of school-based agriculture students
Nathan W. Conner and Christopher T. Stripling – Tennessee Tech University and The University of Tennessee

Investigating beginning agricultural teacher burnout
Debra S. Korte, John D. Tummons and Jon C. Simonsen – University of Missouri

Looking for a few good men: Insights into the lack of male agricultural teacher candidates
Ann M. De Lay, Benjamin G. Swan, Erin K. Gorter, and Clemente Ayon – California Polytechnic State University - San Luis Obispo

Perceived comfort personal protective equipment among Missouri high school agricultural mechanics students
G. Curtis Langley – Tarleton State University and Tracy Kitchel - University of Missouri

Perceived factors that influence student enrollment in a university agricultural sciences program
Jennifer Warren, Kevin Williams, Tanner Robertson and Lance Kieth – West Texas A&M University

Perceptions of online swine auction websites: A qualitative study
Joanna King, Whitney Ann Curry, Courtney Meyers, David Doerfert and Scott Burris – Texas Tech University

Plant science graduate students' teaching self-efficacy to engage K-12 students
Melissa Leiden Welsh, Neil A. Knobloch, Kathryn Orvis, James Greenan and Helen Patrick – Purdue University

Predicting manuscript acceptance through reviewers’ ratings on evaluation criteria: An analysis of manuscript reviews for the National Agricultural Education Research Conference
Donald M. Johnson and Catherine W. Shoulders – University of Arkansas

Professional development needs of school-based agricultural education teachers
Nathan W. Conner, Christopher T. Striping, Danielle E. Sanok, Carrie Stephens, John C. Ricketts and Christopher M. Estepp – Tennessee Tech University, The University of Tennessee, and Sul Ross State University

Reflections on the integration of a school garden into the pre-K curriculum
Gaea Hock, Alyssa Barrett, Julie Parker, Lori Elmore-Staton and Elizabeth Payne – Mississippi State University

School culture influences on beginning agriculture teachers' satisfaction and efficacy
Tracy Kitchel, Kevin Herndon and Laura Hasselquist – University of Missouri

Semiotic analysis of agriscience educators and agricultural teacher candidates' perceptions of global competency gains during an immersion experience
Stacia Creed, Daniel Foster, Melanie Miller Foster – Pennsylvania State University; Andrew Thoron and Kirby Barrick – University of Florida

Student perceptions of their experience in a flipped undergraduate capstone course
OP McCubbins, Thomas H. Paulsen and Ryan Anderson – Iowa State University

Teachers' perceptions of agriculture dual enrollment courses
Steven Boot Chumbley, Kalynn Baldock, Amber Martinez, Danielle Castro and Arinn Lovett – Eastern New Mexico University

The critical need for experiential learning programs in animal agriculture
Jessica Tussing, Rick Rudd – Virginia Tech

The exploration of social media as a media relations tool for agricultural organizations
Leigha Morrison, Emily Buck, Annie Specht – The Ohio State University

The impact of high school leadership experience and its relationship to collegiate involvement
Sarah Striegel, Elizabeth Foreman and Michael Retallick – Iowa State University

The three e's of service-learning: How pre-service agricultural education teachers constructed images of service-learning
Richie Roberts and J. Shane Robinson – Oklahoma State University

Understanding the challenges surrounding contentious issue conversations: Florida Extension Agents’ perspective
Arthur Leal and Joy N. Rumble – University of Florida

Utilizing competing narratives to increase critical thinking abilities
Kyle Gavin and Dustin K. Perry – Montana State University
RESEARCH PAPER PRESENTATIONS

Wednesday, May 20 – 2:00-3:30 pm

Session A – Higher Education and Academic Programs – Texas B
Chair: Brian Myers, University of Florida
Facilitator: Tyson Sorensen, Oregon State University

An examination of university agricultural education faculty attitudes toward the implementation of high impact learning experiences
Theresa Pesl Murphrey, Summer F. Odom, James Sledd – Texas A&M University

A qualitative examination of success factors for tenure-track women faculty in postsecondary agricultural education
Theresa Pesl Murphrey, Summer F. Odom, Valerie McKee, Carley Christiansen, Texas A&M University

Motivations to study abroad: A case Study of the College of Agricultural and Life Sciences agribusiness short-term study abroad program
Amber Lynn Willis, Wendy J. Warner, Barbara M. Kirby, David W. W. Jones, North Carolina State University

Methods and outcomes of reflection in an agricultural leadership program: A constructivist grounded theory
Avery Culbertson – Oklahoma State University and Hannah S. Carter – University of Florida

Session B – Food Systems – Texas A
Chair: Travis Park, North Carolina State University
Facilitator: Ben Weikert, University of Missouri

Utilizing two-way communication to break down the barriers of farm to school
Shuyang Qu, Joy N. Rumble, and Caroline Roper – University of Florida; Laura Gorham – Texas Tech University

Influences on undergraduate students’ opinions toward genetically modified food
Taylor K. Ruth, Keegan D. Gay, Joy N. Rumble, Mary T. Rodriguez – University of Florida

Preference and behavior: A case of dissonance in the produce aisle
Taylor K. Ruth and Joy N. Rumble – University of Florida; Quisto D. Settle – Mississippi State University

What side are you on? An examination of the persuasive message factors in Proposition 37 videos on YouTube
Amber Krause, Courtney Meyers, Erica Irlbeck, Todd Chambers – Texas Tech University

Session C – Agricultural Mechanics – Aztec
Chair: Scott Burris, Texas Tech University
Facilitator: Bryan Rank, Iowa State University

Missouri high school agricultural mechanics students safety climate attitudes
G. Curtis Langley – Tarleton State University; Tracy Kitchel and Leon Schumacher – University of Missouri

Dexterity: An indicator of future performance in beginning welders?
A. Preston Byrd – Clemson University; Richard T. Stone and Ryan G. Anderson – Iowa State University
**Examining agricultural mechanics projects and their use as supervised agricultural experiences in Texas**
Will Doss – Bryan High School; John Rayfield and Tim Murphy – Texas A&M University

**The use of virtual welding simulators to evaluate experienced welders**
A. Preston Byrd – Clemson University; Richard T. Stone and Ryan G. Anderson – Iowa State University

**Session D – Experiential Learning** – Majestic C
Chair: Misty Lambert, Oregon State University
Facilitator: Amber Rice, University of Missouri

**Supervised agricultural experience: An examination of support, supervision and culture**
Eric D. Rubenstein – University of Georgia; Andrew C. Thoron – University of Florida

**The effects of an experiential approach to learning on student motivation**
Marshall A. Baker, J. Shane Robinson, and Robert Terry, Jr. – Oklahoma State University

**A historical examination of the educational intent of supervised agricultural experiences (SAEs) and project-based learning in agricultural education**
Kasee L. Smith and John Rayfield – Texas A&M University

**The interaction of learning style on measures of successful intelligence in secondary agriculture students exposed to experiential and direct instruction**
Marshall A. Baker and J. Shane Robinson – Oklahoma State University

**Session E: School-based Agricultural Education and FFA** – Majestic A

**The chasm between beliefs and practice: A case study of the epistemological stances of pre-service agricultural education teachers**
Richie Roberts, Marshall A. Baker and Carmelita E. Goossen – Oklahoma State University

**Barriers affecting the balance of Texas agricultural educators’ home and work life, by gender**
Mark Hainline, Jonathan Ulmer, Scott Burris and Rudy Ritz – Texas A&M University

**A case study of learning, motivation, and performance strategies for teaching and coaching career development events teams**
Anna Ball and Amanda Bowling – University of Missouri; Will Bird – Dyersburg Public Schools

**Laboratory safety practices of New Mexico agricultural science teachers**
Steven "Boot" Chumbley – Eastern New Mexico University
Thursday, May 21 – 3:00 – 5:30 pm

**Session A: Pre-service Teachers and Student Teaching** – Majestic C

**Chair:** Robert Torres, University of Arizona  
**Facilitator:** Laura Hasselquist, University of Missouri

*Implementing the edTPA: Perspectives, challenges, strengths, and recommendations for the future adoption of edTPA in agriculture*

Amanda R. Lunsford, Wendy J. Warner, Travis D. Park and Joy E. Morgan – North Carolina State University

*Examining student teachers’ perceptions of the ease of completion, resources to support, influence on student teaching, and preparation for completion of the edTPA in agriculture at North Carolina State University*

Amanda Lunsford, Travis Park, Wendy Warner and Joy Morgan – North Carolina State University

*Analyzing student teacher critical thinking through blogs in an online community of practice*

Taylorann K. Clark, Thomas H. Paulsen and Ryan Anderson – Iowa State University

*Cooperative teacher perspective of student teaching skills and activities*

Scott Smalley – South Dakota State University; Michael Retallick and Thomas Paulsen – Iowa State University

**Session B: Agricultural Communication and the AAAE Profession** – Texas A

**Chair:** Robert Terry, Jr., Oklahoma State University  
**Facilitator:** Richie Roberts, Oklahoma State University

*Peer review in agricultural education: Interrater reliability of manuscript reviews for the 2014 National Agricultural Education Research Conference*

Catherine W. Shoulders and Donald M. Johnson – University of Arkansas; Jim Flowers – North Carolina State University

*Utilizing the tuning protocol to generate peer feedback during student teaching lesson plan development*

Thomas H. Paulsen, Taylorann K. Clark and Ryan G. Anderson – Iowa State University

*Preliminary development of an attrition risk assessment instrument for secondary agricultural educators*

Laura Lemons and Carley Calico – Mississippi State University; Todd Brashears, Scott Burris, Courtney Meyers – Texas Tech University

*What’s All the pinning about? A descriptive content analysis of agricultural communications students’ Pinterest activity*

Courtney Gibson and Erica Irlbeck – Texas Tech University

**Session C: Attrition and Beginning Teachers** – Aztec

**Chair:** Steve Harbstreit, Kansas State University  
**Facilitator:** Amanda Bowling, University of Missouri

*A comparison of beginning teacher competencies as perceived by Idaho first year teachers, building administrators, and mentor teachers*

Allison J. L. Touchstone – University of Idaho

*Mentoring expectation congruency, interaction, and psychosocial support in an agriculture teacher mentor program*

John Tummons, Tracy Kitchel and Bryan Garton – University of Missouri

*Beginning agriculture teachers approaches to teaching content*

Amber H. Rice and Tracy Kitchel – University of Missouri
**Plugging the holes in the bucket: A qualitative study to determine perceptions of agriculture teachers who have left the agricultural education profession**
Meghan Wood, Jim Flowers, Wendy Warner, Travis Park and Gary Moore – North Carolina State University

**Session D: Higher Education and Extension** – Majestic A
Chair: Shannon Washburn, Kansas State University
Facilitator: Amber Willis, North Carolina State University

**Undergraduate student course engagement and the influence of student, contextual, and teacher variables**
Adam A. Marx – North Dakota State University; Jon C. Simonsen and Tracy Kitchel – University of Missouri

**Agricultural extension in sub-Saharan Africa During and after its colonial era: The case of Zimbabwe, Uganda, and Kenya**
Stephen C. Mukembo and M. Craig Edwards – Oklahoma State University

**The relationship of graduate program satisfaction with student learning ability, department collegiality and adequacy of student support**
Roshan Nayak, Rama Radhakrishna, Gary Thompson and Ann Hawthorne – The Pennsylvania State University; Caitlin Foley, Delaware Valley College

**Agricultural Extension in Mexico and the mitigation of rural poverty: reconsidering decentralization, privatization, and the way forward**
Jose M. Uscanga and M. Craig Edwards – Oklahoma State University

**Session E: Extension and Nonformal Education Volunteers** – Texas B
Chair: Jack Elliot, Texas A&M University
Facilitator: Seth Heinert, University of Florida

**Adult volunteer perceptions: Providing service to local, school-based agricultural education programs**
Stephen Tillinghast, Jon W. Ramsey and Robert Terry, Jr. – Oklahoma State University

**The influence of the NELD/LEAD 21 leadership development experiences on the leadership skills and careers of state Extension directors and administrators**
Allisen Penn – University of Tennessee, Knoxville; Donna L. Graham – University of Arkansas, Fayetteville; John Kuykendall and T. Gregory Barrett – University of Arkansas, Little Rock

**A thirst for blue waters: Exploring the uniqueness of an urban Extension office**
Meagan Scott and Marshall A. Baker – Oklahoma State University; Nicholas R. Brown – Jenks Public Schools

**An assessment of equine assisted growth learning association and professional association of therapeutic horsemanship programs in Montana**
Amy Prechter and Shannon Arnold – Montana State University
Friday, May 22, 2015

**Session A: Global and Cultural Education** – Texas B
Chair: Stacy Vincent, University of Kentucky
Facilitator: Meghan Wood, North Carolina State University

*Identifying student cultural awareness and perceptions of different cultures*
Mary T. Rodriguez and Alexa Lamm – University of Florida

*Harnessing cooperation to support polytechnic AET instructor professional development in Nigeria*
Matt Spindler and Benjamin Ogwo – Virginia Tech

*Globalizing the undergraduate experience in agricultural leadership, education, extension, and communication*
Seth Heinert and T. Grady Roberts – University of Florida

*Multicultural teaching concerns of beginning pre-service teachers in agricultural education at Oklahoma State University*
Carmelita E. Goossen, Richie Roberts, Marshall A. Baker – Oklahoma State University

**Session B: School-Based Agricultural Education** – Majestic C
Chair: Becki Lawver, Utah State University
Facilitator: Kevin Curry, North Carolina State University

*An examination of academic performance and subject area competence of agricultural education pre-service teachers*
Rachel Thornburg, Jon W. Ramsey, Robert Terry, Jr. – Oklahoma State University

*Current and perceived grading practices of Iowa agriculture teachers*
Jenny Lichty – Ballard (Iowa) High School; Michael S. Retallick – Iowa State University

*A descriptive analysis of student self-efficacy based on their involvement in the three component model of agricultural education*
Kenneth A. Aldridge – New Mexico State University Brian A. Parr – Auburn University

*Standards-based grading knowledge Iowa agricultural educators*
Jenny Lichty – Ballard (Iowa) High School; Michael S. Retallick – Iowa State University

**Session C: Science, Math and Literacy** – Aztec
Chair: Amy Smith, University of Minnesota
Facilitator: Kevin Herndon, University of Missouri

*Exploring agricultural communications students’ perceptions of communication apprehension and writing apprehension in the classroom*
Chelsey A. Ahrens, Courtney Meyers, Erica Irlbeck, Scott Burris and David Roach – Texas Tech University

*Exploring math and literacy integration among secondary agriculture teachers*
Aaron J. McKim, Tyson J. Sorensen and Jonathan J. Velez – Oregon State University

*A measure of students’ motivation to learn science through agricultural STEM emphasis*
Steven “Boot” Chumbley – Eastern New Mexico University; J. Chris Haynes – University of Wyoming; Kathryn Stofer – University of Florida

*The infusion of inquiry-based learning into school-based agricultural education: A review of literature*
Trent Wells, Jennifer Matthews, Lawrence Caudle, Casey Lunceford, Brian Clement and Ryan Anderson – Iowa State University
Session D: Professional Development – Majestic A
Chair: Jon Simonsen, University of Missouri
Facilitator: Amanda Lunsford, North Carolina State University

The long-term impact of professional development on teachers using a math-enhanced curriculum in agricultural power and technology: A 10-year retrospect
Stephen C. Mukembo and M. Craig Edwards – Oklahoma State University

Perceptions and educational strategies of Louisiana agriculture education teachers when working with students with special needs
Kristin Stair, Joey Blackburn, Leslie Blanchard, Melissa Cater, J.C Bunch and Janet Fox – Louisiana State University

Getting to the core: Agriculture teachers’ attitudes, implementation, and professional development needs related to the common core standards
Aaron J. McKim, Misty D. Lambert, Tyson J. Sorensen and Jonathan J. Velez – Oregon State University

Relationships within a high-quality teacher professional development experience
Jessica M. Blythe – West Virginia University; Brian E. Myers – University of Florida

Session E: Secondary Agricultural Education Students – Texas A
Chair: Brad Greiman, University of Minnesota
Facilitator: Josh Stewart, Oregon State University

How cognitive style, problem complexity, and hypothesis generation affect the problem solving ability of school-based agricultural education students
J. Joey Blackburn – Louisiana State University; J. Shane Robinson – Oklahoma State University

Engagement and motivation in learning: Perspectives of middle school agricultural education students
Ashley N. Young, R. Kirby Barrick and Brian E. Myers – University of Florida

Factors affecting high school students’ consideration of agricultural education as a career
Erica B. Thieman, David M. Rosch and Cecilia E. Suarez – University of Illinois, Urbana-Champaign

Students motivations, value, and decision to participate in service-learning at the National FFA Days of Service
Richie Roberts, Robert Terry Jr., Nicholas R. Brown and Jon W. Ramsey – Oklahoma State University
Doctoral Specialization in Leadership Studies

- Apply foundations of leadership in business, agriculture, education, non-profit, and government
- Develop assessment skills to diagnose the leadership needs faced at the interpersonal, group, organizational and societal levels
- Develop a command of the leadership literature and models
- Integrate what you learn into your own professional job responsibilities
- Develop your research and writing skills to produce publishable, quality research

why NEBRASKA?

- Flexibility to create multidisciplinary program focused on your interests and needs
- Work with experts in the fields of Leadership, Education, and Communication all from one department
- Focus on solving “real world” problems through leadership development and research
- Enroll on a full-time or part-time basis

GRADUATE CHAIR
Dr. Gino Matkin, gmatkin1@unl.edu
(402) 472-4454

GRADUATE SECRETARY
Jennifer Greenlee, jgreenlee2@unl.edu
(402) 472-2807

The University of Nebraska–Lincoln is an equal opportunity educator and employer.
Earn your master’s degree in Agricultural and Extension Education!

Select a concentration in:
- Extension Education
- Agricultural Education
- Agricultural Leadership
- Agricultural Communications
- Agricultural Systems Technology Management

Dr. Donna Lucas Graham, Graduate Coordinator
Email: dgraham@uark.edu Phone: 479.575.6346

Visit our website and apply today!
aect.uark.edu/6036.php
Department of Agricultural Communication, Education, and Leadership

Graduate Programs

If you’re seeking a graduate degree that is known for its excellent students and outstanding faculty at a highly-respected university, allow us to introduce you to the Agricultural and Extension Education graduate program at Ohio State.

Master’s Degree Program

A Master’s degree prepares a person with additional knowledge and necessary skills in the field in order to teach, become a practitioner, or conduct research. Candidates have the option to choose among five areas of specialization of:

- Agricultural Communication
- Agricultural Education
- Community and Extension Education
- International Development
- Leadership

Master’s Degree Online

The online M.S. degree is targeted toward early- and mid-career, place-bound, working professionals who need access to graduate education to advance personal and professional goals. This degree is equivalent in quality to the on-campus M.S. degree program.

Ph.D. Program

The doctoral program prepares students for higher education, evaluation, outreach education, research and administration in the specialization areas of Agricultural Education, Community and Extension Education, and International Development.

To learn more about ACEL visit:

The Ohio State University
College of Food, Agricultural, and Environmental Sciences

cel.osu.edu @ACELatOSU