teaching on my mind

NACTA

athens, georgia

61ST ANNUAL CONFERENCE
JUNE 16-20, 2015
From the white-columned homes to the hip music scene to some of the hottest new restaurants in the South, Athens has something for everyone.

Like the city, which is a mix of old Southern tradition and cutting-edge culture, the University of Georgia College of Agricultural and Environmental Sciences maintains a proud, 156-year legacy of education and helps solve tomorrow’s global agricultural issues through the use of the latest technology. We hope that while you are here, you will build a strong network of peers and colleagues, all of whom lay the foundation of agricultural education. The classrooms in our colleges are the fertile ground where our programs take root. Students prepare for their careers there, discover their love of science, see the first spark of an idea that might become the greatest discovery of their time.

Colleges of agriculture were the breeding grounds for some of the most impactful scientists in the world for the past 150 years. The next Norman Borlaug may be seated in your next class of freshmen.

We hope you enjoy Athens, the University of Georgia and your conference.

J. Scott Angle
Dean and Director, UGA College of Agricultural and Environmental Sciences

ABOUT THE UNIVERSITY OF GEORGIA’S COLLEGE OF AGRICULTURAL AND ENVIRONMENTAL SCIENCES

The University of Georgia College of Agricultural and Environmental Sciences was founded in 1859. The college has classrooms, laboratories and facilities in Athens, Griffin and Tifton, Georgia, as well as research and education facilities, totaling more than 15,000 acres in 20 counties. UGA Extension offices and five 4-H centers also represent the college statewide.

The college houses nine departments: Agricultural and Applied Economics; Agricultural Leadership, Education, and Communication; Animal and Dairy Science; Crop and Soil Sciences; Entomology; Food Science and Technology; Horticulture; Plant Pathology; and Poultry Science. U.S. News and World Report ranked the college among the top 20 colleges of agriculture in the world in 2013.
Join your device to the wireless network named “UGA.”

Open your Web browser (Apple Inc.’s Safari, Microsoft’s Internet Explorer, Mozilla’s Firefox or Google Inc.’s Chrome) and the Georgia Center’s Wi-Fi registration portal Web page will appear. Sign in using one of the following options:
- UGA MyID account
- Facebook account
- Google account
- LinkedIn account
- Register using e-mail
- Register using SMS text messaging

Please allow a few minutes to connect to the Wi-Fi.

Connect Event Support at 706-201-8816 or the Hotel Front Desk at 706-548-1311.

Make yourself at home.

Georgia Center Hotel Guest Services can be reached at 706-542-1932.

All NACTA members are invited to join a NACTA committee and attend their respective committee meetings Thursday morning.

Block restaurant reservations are available on a first-come, first-served basis at the Conference Registration Desk. Reservations must be made by noon on Thursday.

The Georgia Center Hotel van service is available on a first-come, first-served basis from 7 a.m.-10 p.m. seven days a week. Call 706-542-1932 to reserve.

Areas of service include:
- All campus locations,
- North to Prince Avenue and Hawthorne Avenue,
- South to Milledge Avenue and the State Botanical Garden of Georgia,
- East to Oconee Street and the Georgia State Route 10 Loop,
- West to Alps Road and Hawthorne Avenue,
- and Athens-Ben Epps Airport.

Conference updates are available on the NACTA Facebook page and the bulletin board next to the Conference Registration Desk.

Use your QR code scanner to download the schedule to your phone or tablet.

Stay informed

On Thursday evening, buses will run continuously from 5:30-9:30 p.m. between the Georgia Center (at Carlton Street), Rutherford Hall (at Sanford Drive) and the UGA Arch (downtown Athens on Broad Street).

Connect to Wi-Fi

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Need help? Contact Event Support at 706-201-8816 or the Hotel Front Desk at 706-548-1311.
6.16 tue.

» Noon-6 p.m.
Registration/Information
CONFERENCE REGISTRATION DESK

» 1-5 p.m.
NACTA Executive Meeting
ROOM J

NIFA Project Director’s Meeting
ROOM Q

» 5-5:30 p.m.
Moderators’ Meeting
ROOM J

» 5-6 p.m.
Reception for First-time Attendees
DOGWOOD HALL

» 6-8 p.m.
Reception
PECAN TREE GALLERIA AND HILL ATRIUM

6.17 wed.

» 7 a.m.-5 p.m.
Registration/Information
CONFERENCE REGISTRATION DESK

» 7-8 a.m.
Breakfast Sponsored by Cobb-Vantress
MAGNOLIA BALLROOM

Authors put up posters
PECAN TREE GALLERIA AND HILL ATRIUM

» 8-9:30 a.m.
Opening Session
MAHLER AUDITORIUM

Welcome and Introduction,
Dr. Jean Bertrand
Dr. Bertrand is the assistant dean for academic affairs for the University of Georgia College of Agricultural and Environmental Sciences.

» 8-9:30 a.m. continued
Welcome to the University of Georgia, Dr. Rahul Shrivastav
Dr. Rahul Shrivastav is the vice president for instruction at the University of Georgia.

Welcome to the College of Agricultural and Environmental Sciences and Introduction, Dean Scott Angle
Dr. Angle is the dean and director of the University of Georgia College of Agricultural and Environmental Sciences.

Keynote Address: “Lessons from an Optician,” Georgia Commissioner of Agriculture Gary Black
See bio, page 10.

Announcements, Dr. Jean Bertrand

» 9:30 a.m.-Noon
Poster Presentation Session 1
PECAN TREE GALLERIA AND HILL ATRIUM
Posters will be up until 4 p.m.

» 9:30-10:45 a.m.
W1 Poster Authors present

» 10:15-10:45 a.m.
Break
Food available

» 10:45 a.m.-Noon
W2 Poster Authors present

» Noon-1:30 p.m.
Lunch Sponsored by Kubota
MAGNOLIA BALLROOM
Presentations by Kubota and Dr. Tom Robertson, founder of Cogent Education science education software

» 1:30-3:15 p.m.
Oral Presentation Session 1
SECOND FLOOR
1A: Online/Distance Education 1
ROOM Q
1B: Experiential Learning 1
ROOM R
1C: Experiential Learning 2
ROOM K
1D: Improving Retention 1
ROOM L
1E: Pedagogy 1
ROOM F/G

» 3:15-3:45 p.m.
Break
SECOND FLOOR

» 3:45-5 p.m.
Oral Presentation Session 2
SECOND FLOOR
2A: Flipped Classroom
ROOM Q
2B: International Learning 1
ROOM R
2C: Pedagogy 2
ROOM K
2D: Pedagogy 3
ROOM F/G
2E: Technology
ROOM L

» 4-5:30 p.m.
Posters can be removed

» 6-7:30 p.m.
Dinner Sponsored by Georgia Farm Bureau, the Georgia Department of Agriculture and the Georgia Agribusiness Council
MAHLER AUDITORIUM
Entertainment provided by Georgia 4-H Clovers & Co.

» 7:30-9 p.m.
Evening at the State Botanical Garden of Georgia
Enjoy an unstructured evening strolling through the beautiful gardens. There will be free bus service between the Georgia Center at Carlton Street, Rutherford Hall at Sanford Drive and the State Botanical Garden of Georgia.

Continued on pages 8-10.
6.18 thu.

7-8 a.m.
Breakfast
MAGNOLIA BALLROOM

8 a.m.-12:30 p.m.
Registration/Information
CONFERENCE REGISTRATION DESK

8-9 a.m.
NACTA Committee Meetings
Open to all NACTA members
Journal Awards
ROOM Q
Membership and Public Relations
ROOM R
Educational Issues and Teaching Improvement
ROOM K
Teacher Recognition
ROOM L
International Committee
ROOM F/G
Editorial Board/Publications
ROOM J

9-10:15 a.m.
Oral Presentation Session 3
SECOND FLOOR
3A: Pedagogy 4
ROOM Q
3B: Service Learning 1
ROOM F/G
3C: Program Development
ROOM R
3D: Curriculum Development
ROOM K
3E: Recruitment
ROOM L

10:15-10:45 a.m.
Break
SECOND FLOOR

10:45 a.m.-Noon
Oral Presentation Session 4
SECOND FLOOR
4A: International Learning 2
ROOM Q
4B: Service Learning 2
ROOM R
4C: Effective Teaching and Mentoring
ROOM K
4D: Effective Learning
ROOM L

Noon-12:30 p.m.
Boxed lunches available
PECAN TREE GALLERIA

Noon-5 p.m.
Tours
Buses will leave from Georgia Center at Carlton Street.

12:10 p.m.
Buses leave for Tallulah Gorge and Southern History Tours

12:20 p.m.
Buses leave for Winery and Traditional Agriculture Tours

12:30 p.m.
Buses leave for Niche Agriculture and Athens Food and Craft Tours

12:40 p.m.
Vans leave for Plant Tour

5 p.m.
Tour buses return to Georgia Center

5:30-9:30 p.m.
Free Evening
Block restaurant reservations available on a first-come, first-served basis at the Conference Registration Desk and must be made by noon on Thursday.

Downtown Athens has more than 100 restaurants and pubs.

6.19 fri.

7:30-8:30 a.m.
Breakfast
MAGNOLIA BALLROOM

Authors put up posters
PECAN TREE GALLERIA AND HILL ATRIUM

8 a.m.-5 p.m.
Registration/Information
CONFERENCE REGISTRATION DESK

8:30-9:30 a.m.
Blue Ribbon Speech
MAHLER AUDITORIUM

Introduction, Dr. Abigail Borron
Dr. Borron is an assistant professor in the Department of Agricultural Leadership, Education, and Communication at the University of Georgia College of Agricultural and Environmental Sciences.

Blue Ribbon Speaker: “Turning Down the Noise and Inspiring Some Singing,” Dr. Nick Fuhrman
See bio, page 10.

9:30-10:45 a.m.
F1 Poster Authors present

10:45 a.m.-Noon
F2 Poster Authors present

9:30 a.m.-Noon
Poster Presentation Session 2
PECAN TREE GALLERIA AND HILL ATRIUM
Posters remain up until 3 p.m. and must be taken down by 4 p.m.

9:30-10:45 a.m.
F1 Poster Authors present

10:15-10:45 a.m.
Break Food available

10:45 a.m.-Noon
F2 Poster Authors present

9:30 a.m.-Noon
NACTA Trade Show Featuring Custom Agriculture Study Tours, National Agricultural Institute, Carolina Biological Supply Company, CEV Multimedia, Adobe Systems Inc.
HILL ATRIUM

Noon-1:30 p.m.
Lunch and NACTA Business Meeting
MAGNOLIA BALLROOM

1:30-2:30 p.m.
Oral Presentation Session 5
SECOND FLOOR
5A: Critical Thinking
ROOM Q
5B: Online/Distance Education 2
ROOM R
5C: Improving Retention 2
ROOM K
5D: Pedagogy 5
ROOM L
5E: Application
ROOM F/G

2:45-3 p.m.
Break
SECOND FLOOR

3-5 p.m.
Workshops
1. Internationalizing Colleges and Universities
ROOM Q
2. Advancing Your Scholarly Teaching into the Scholarship of Teaching and Learning (SoTL)
ROOM R
3. Team-Based Learning (TBL) “Flips” the Classroom: We’ve Been “Flipping” for Years
ROOM K
4. Advising Perspectives Inventory
ROOM L
5. Developing a Teaching Portfolio
ROOM F/G

5:30-6:30 p.m.
Social Time
PECAN TREE GALLERIA

6:30-8:30 p.m.
Banquet
MAGNOLIA BALLROOM

Downtown Athens has more than 100 restaurants and pubs.
61ST ANNUAL NACTA CONFERENCE

LEARNING ON MY MIND

6.20 sat.

>> 8:00 a.m.-8:45 a.m.
NACTA Executive Committee Breakfast
OAK ROOM

>> 8:45 a.m.-Noon
NACTA Executive Committee Meeting
ROOM J

ABOUT THE KEYNOTE SPEAKER

Gary W. Black, Georgia Commissioner of Agriculture

Currently serving his second term, Commissioner Gary W. Black is the 16th Georgian to hold the office of state commissioner of agriculture since the Georgia Department of Agriculture’s inception in 1874.

Black earned a bachelor’s degree in agricultural education from the University of Georgia College of Agricultural and Environmental Sciences in 1980. Throughout his 35-year career in agriculture, he has championed sound state and federal policies impacting food safety, science-based environmental stewardship and agricultural marketing.

He would rather be referred to as “Lydia’s husband and Ward and Caroline’s dad.” He and his wife, Lydia, raise commercial beef cattle on the family farm in Commerce, Georgia. Black serves in the Sunday school and music ministries of Maysville Baptist Church, in Maysville, Georgia.

ABOUT THE BLUE RIBBON SPEAKER

Nick Fuhrman, Associate Professor and Graduate Coordinator in the Department of Agricultural Leadership, Education, and Communication, UGA College of Agricultural and Environmental Sciences

Dr. Nick Fuhrman received his bachelor’s and master’s degrees in forestry from Virginia Tech and his doctoral degree in agricultural education and communication, with a focus on environmental education program evaluation, from the University of Florida. Before graduate school, he was a naturalist with the Maryland Department of Natural Resources, where he used injured, non-releasable birds of prey and reptiles in presentations to large audiences and on TV.

Fuhrman teaches graduate courses in educational program development and data analysis, and undergraduate courses in environmental education and teaching methods. His passion is teaching and he uses animals, including snakes, turtles and owls, in the classroom and on his Georgia Farm Monitor monthly TV series, “Ranger Nick.” He has been part of NACTA for 11 years, serving as Teacher Recognition Committee chair for four years. In March, he married his best friend, Jessica, and they live in Watkinsville, Georgia, with a small zoo of animal “teaching tools.”

Thank you, Sponsors!

This program is supported in part by the President’s Venture Fund, through the generous gifts of the University of Georgia Partners and other donors.

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Kubota

SILVER SPONSOR

Cobb

…and to our Trade Show Participants!

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### W1 Posters

**Wednesday, 9:30-10:45 A.M.**

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**Please note:** Posters should be put up between 7 and 8 a.m. on Wednesday, and 7:30 and 8:30 a.m. on Friday. Posters can be removed after 4 p.m. on Wednesday and between 3 and 4 p.m. on Friday. All posters will stay mounted for the entire day of presentation. Half of the authors are to be present during the first session, half are to be present during the second session.
### W1 Posters

**Wednesday, 9:30-10:45 A.M.**

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<td>Toward a Concentric Model of Change: Completing a Model of Holistic Human Development</td>
<td>Tobin Redwine, Tracy Rutherford and Gary Wingenbach, Texas A&amp;M University</td>
</tr>
<tr>
<td>162</td>
<td>How Efficacy and Professional Development Support Affect Integration of Other Subjects in a Formal Agricultural Education Classroom</td>
<td>Tiffany A. Drape, Megan Lopez, Donna Radford and Rick Rudd, Virginia Tech</td>
</tr>
<tr>
<td>165</td>
<td>Evaluation to Improve College Teaching: Going Beyond the Student Evaluation Instrument</td>
<td>Jeremy Falk and Aaron Johnson, University of Idaho</td>
</tr>
<tr>
<td>171</td>
<td>Self-efficacy Assessment in a PreVeterinary-track Professional Development Course</td>
<td>Shweta Trivedi, Kimberly Schreiber and James Harper, North Carolina State University</td>
</tr>
<tr>
<td>174</td>
<td>Investigating Students’ Experiences at a Professional Development Conference</td>
<td>Brooke Prather, Holli R. Leggette and Tracy Rutherford, Texas A&amp;M University</td>
</tr>
<tr>
<td>182</td>
<td>Utilizing Snapchat to Prepare for Career Development Events</td>
<td>Op McCubbins, Ryan Anderson and Thomas H. Paulsen, Iowa State University</td>
</tr>
</tbody>
</table>
### W2 Posters

**Wednesday 10:45 A.M.-Noon**

<table>
<thead>
<tr>
<th>NO.</th>
<th>POSTER TITLE</th>
<th>AUTHORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>192</td>
<td>Student-led Facilitation: A Strategy for Class Engagement and Learning</td>
<td>Mark J. Kistler, North Carolina State University</td>
</tr>
<tr>
<td>200</td>
<td>Developing Pragmatic Research Consumers Through Action Based Research Project in Agricultural Education Teaching Internships</td>
<td>Laura L. Rice and Daniel D. Foster, The Pennsylvania State University</td>
</tr>
<tr>
<td>208</td>
<td>Engaged Scholarship: An Environmental Major Encircled in Learning</td>
<td>Robert D. Shannon and Tammy M. Bennett, The Pennsylvania State University</td>
</tr>
<tr>
<td>209</td>
<td>Impact of a Faculty Learning Community on the Development of Distance Education Courses in a College of Agriculture</td>
<td>Jean Bertrand, Emilia Dover, Dennis Duncan, Nick Fuhrman and Maria Navarro, University of Georgia, Chris Morgan, Athens Technical College, Athens, Georgia, and Jill Rucker, University of Arkansas</td>
</tr>
<tr>
<td>210</td>
<td>Teaching Beliefs and Teaching Self-Efficacy of Graduate Students Participating in a Teaching Workshop</td>
<td>Christopher M. Estepp, Sul Ross State University, Alpine, Texas, T. Grady Roberts, University of Florida, and Christopher T. Stripling, University of Tennessee</td>
</tr>
<tr>
<td>218</td>
<td>Creative and Innovative Professional Development: An Interdisciplinary Collaboration Between Teachers and Nutrition Educators</td>
<td>Caroline Glagola Dunn, Natalie M.K. Ridgwell and Karla P. Shelnutt, University of Florida</td>
</tr>
<tr>
<td>232</td>
<td>Labeled School Gardens Make Great Classrooms</td>
<td>Althea Whitter-Cummings and Rick Rudd, Virginia Tech</td>
</tr>
<tr>
<td>236</td>
<td>The Effectiveness of Program Area Committees Related to Extension Program Planning</td>
<td>Whit H. Weems, Tarleton State University, Stephenville, Texas, Chris T. Boleman, Texas A&amp;M AgriLife Extension Service, and David Lawver, Texas Tech University, Lubbock, Texas</td>
</tr>
</tbody>
</table>

**Bold indicates presenter.**

Tonight’s dinner will feature a show by the talented singers, musicians, dancers and crew in **Georgia 4-H Clovers & Co.**
### Group 1A: Online/Distance Education 1

**ROOM Q • SESSION MODERATOR: SHANNON ARNOLD**

<table>
<thead>
<tr>
<th>TIME</th>
<th>NO.</th>
<th>PRESENTATION TITLE</th>
<th>AUTHORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:30 p.m.</td>
<td>269</td>
<td>GoFarm Hawaii: Developing an Online Curriculum to Train Beginning Farmers Statewide</td>
<td>Charles Kinoshita and Kellie Taguchi, University of Hawaii at Manoa</td>
</tr>
<tr>
<td>1:45 p.m.</td>
<td>5</td>
<td>Is Student-to-Student Interaction in Distance Education Classes on the Minds of Our Students? A Comparison of Undergraduates and Graduate Students</td>
<td>Gary Moore, Wendy Warner and David Jones, North Carolina State University, and Jane Bachelor, University of Florida</td>
</tr>
<tr>
<td>2 p.m.</td>
<td>70</td>
<td>Curating Student Ideas Through Pinterest Activities</td>
<td>C.B. Jagger, T.D. Ray, B.S. Scrugg and M.S. Whittington, The Ohio State University</td>
</tr>
<tr>
<td>2:15 p.m.</td>
<td>93</td>
<td>The Impact of a Multi-Institution Case Study Course on Entomology Students' Argumentation Skills Related to Integrated Pest Management Decisions</td>
<td>Catherine W. Shoulders and Robert N. Wiedenmann, University of Arkansas, and John Obrycki, University of Kentucky</td>
</tr>
<tr>
<td>2:30 p.m.</td>
<td>212</td>
<td>Technology Use in Post Secondary Agricultural Sciences Classrooms: What Does the Research Say About Instructor Implementation of Educational Technologies as Applied to the Technological Pedagogical Content Knowledge (TPACK) Framework?</td>
<td>Marytza Abebe, Trisha Vickrey, Doug Golick and Marilyne Stains, University of Nebraska–Lincoln</td>
</tr>
<tr>
<td>2:45 p.m.</td>
<td>216</td>
<td>Using Jing™ to Improve Engagement in Online Courses</td>
<td>Shannon Arnold, Montana State University</td>
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</table>

### Group 1B: Experiential Learning 1

**ROOM R • SESSION MODERATOR: RONALD B. PEGG**

<table>
<thead>
<tr>
<th>TIME</th>
<th>NO.</th>
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<th>AUTHORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:30 p.m.</td>
<td>214</td>
<td>An Experiential Learning Approach in Food Science: Improving Students' Critical Thinking Skills</td>
<td>Ronald B. Pegg, University of Georgia, Athens, Georgia</td>
</tr>
<tr>
<td>1:45 p.m.</td>
<td>169</td>
<td>Perceptions of Internships in an Agricultural Associate Degree Program</td>
<td>Alyssa Degreenia, Kevin Curry and Wendy Warner, North Carolina State University</td>
</tr>
<tr>
<td>2 p.m.</td>
<td>175</td>
<td>Relationship Between Academic Engagement and Student Satisfaction</td>
<td>Donald M. Johnson, Donna L. Graham, Leslie D. Edgar, Catherine W. Shoulders and K. Jill Rucker, University of Arkansas</td>
</tr>
<tr>
<td>2:15 p.m.</td>
<td>178</td>
<td>Creating an On-Campus, Multidisciplinary, Experiential Learning Ecosystem for Student Interns to Solve Product Design and Business Problems for Companies</td>
<td>Daniel S. Tilley and Robert Taylor, Oklahoma State University</td>
</tr>
<tr>
<td>2:30 p.m.</td>
<td>224</td>
<td>Experiential Learning through Student Farming at Five Colleges and Universities</td>
<td>Robert L. Williams, Texas A&amp;M University–Commerce, Texas</td>
</tr>
<tr>
<td>2:45 p.m.</td>
<td>238</td>
<td>Realized Student Learning Outcomes in an Experientially-based Management and Marketing Course</td>
<td>Matthew Shultz, Murray State University, Murray, Kentucky</td>
</tr>
<tr>
<td>3 p.m.</td>
<td>279</td>
<td>Effectiveness of an Experiential Agriculture Program with At-risk Hawaiian Teens</td>
<td>Mary Martini, Taryn Kurosawa and Kanayo Sakai, University of Hawaii at Manoa</td>
</tr>
</tbody>
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Please note: Oral presentations must be submitted in advance; presentations cannot be made from a personal laptop. Please arrive 15 minutes before the start of your session.
### Oral Presentation

**Session 1**

**Group 1C: Experiential Learning 2**

**ROOM K • SESSION MODERATOR: LAURA WHITE**

<table>
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<th>NO.</th>
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</thead>
<tbody>
<tr>
<td>1:30 p.m.</td>
<td>26</td>
<td>Connecting Students and Dairy Producers Through Experiential Learning Activities</td>
<td>Caitlin Foley and Aaron Stepnoski, Delaware Valley College, Perkasie, Pennsylvania</td>
</tr>
<tr>
<td>1:45 p.m.</td>
<td>94</td>
<td>Billion Oyster Project – Education through Ecosystem Restoration</td>
<td>Peter Malinowski, New York Harbor School, New York, New York</td>
</tr>
<tr>
<td>2 p.m.</td>
<td>127</td>
<td>Experiential Learning for a Combat Deployment</td>
<td>Cheryl Wachenheim, North Dakota State University</td>
</tr>
<tr>
<td>2:15 p.m.</td>
<td>136</td>
<td>The Use of Current Events to Enhance Student Learning in Agricultural Genetics</td>
<td>Jennifer Minick Bormann, Kansas State University</td>
</tr>
<tr>
<td>2:30 p.m.</td>
<td>146</td>
<td>Experiential Learning: Taking Knowledge From our Minds and Putting it into Student’s Hands</td>
<td>Kayla M. Wells and Laura M. White, New Mexico State University</td>
</tr>
<tr>
<td>2:45 p.m.</td>
<td>245</td>
<td>Relevant, Real World Learning In Agricultural Marketing and Sales Course: Employing Experiential Learning Theory in Innovative Curriculum Re-design and Delivery</td>
<td>Erica J. Flores, University of Kentucky</td>
</tr>
<tr>
<td>3 p.m.</td>
<td>41</td>
<td>Applied Interdisciplinary Product Development for Sophomore Students</td>
<td>M. Condrasky, B. Halteman, A. Weeks, D. Darby, J. Sharp, A. Coffee, A. Hurley and F. Kong, Clemson University, Clemson, South Carolina</td>
</tr>
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</table>

**Group 1D: Improving Retention 1**

**ROOM L • SESSION MODERATOR: NICK FUHRMAN**

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<th>NO.</th>
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</tr>
</thead>
<tbody>
<tr>
<td>1:30 p.m.</td>
<td>77</td>
<td>Perceived Barriers and Supportive Factors Influencing Hispanic/Latino Students at Texas State University</td>
<td>Juan Garcia, C.C. Winn/Eagle Pass High School, Eagle Pass, Texas, and P. Ryan Sauzier and Douglas Morrish, Texas State University</td>
</tr>
<tr>
<td>1:45 p.m.</td>
<td>90</td>
<td>Factors Influencing the Communication Skills of College of Agriculture Ambassadors</td>
<td>Deanna Edmonds, Nick Fuhrman, Dennis Duncan and Kris Elliott, University of Georgia</td>
</tr>
<tr>
<td>2 p.m.</td>
<td>107</td>
<td>Relationship Between Graduate Student Status and Quality of Graduate Education</td>
<td>Roshan Kumar Nayak, Rama Radhakrishna and Gary Thompson, The Pennsylvania State University</td>
</tr>
<tr>
<td>2:15 p.m.</td>
<td>109</td>
<td>Predictors of Graduate Program Satisfaction: An Empirical Study</td>
<td>Rama Radhakrishna, Roshan Kumar Nayak and Gary Thompson, The Pennsylvania State University</td>
</tr>
<tr>
<td>2:30 p.m.</td>
<td>163</td>
<td>Communication and Subject Preference Among Freshmen in a College of Agriculture.</td>
<td>Gary Apgar and Mickey Latour, Southern Illinois University, Carbondale, Illinois</td>
</tr>
<tr>
<td>2:45 p.m.</td>
<td>181</td>
<td>More Than a Number: Efficient and Effective Academic Advising</td>
<td>David Jones, North Carolina State University</td>
</tr>
<tr>
<td>3 p.m.</td>
<td>207</td>
<td>Cultivating Personal and Professional Development: The Benefits of a Student Designed Agricultural Industry Tour</td>
<td>Josh Stewart, Thomas M. Henderson and Jonathan J. Velez, Oregon State University</td>
</tr>
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</table>
### Oral Presentation Session 1

**Group 1E: Pedagogy 1**  
**ROOM F/G • SESSION MODERATOR: MATT SPINDLER**

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<tbody>
<tr>
<td>1:30 p.m.</td>
<td>43</td>
<td>Building Student Capacity for Collaborative Problem Solving</td>
<td>Matt Spindler, Curt Friedel and Natalie Cherbaka, Virginia Tech</td>
</tr>
<tr>
<td>1:45 p.m.</td>
<td>142</td>
<td>Recent Graduate and Undergraduate Enrollment Trends in American Soil Science Programs</td>
<td>Eric C. Brevik, Dickinson State University, Dickinson, North Dakota, Sergio Abit, Oklahoma State University, David Brown, Washington State University, Holly Dolliver, University of Wisconsin–River Falls, David Hopkins, North Dakota State University, David Lindbo, North Carolina State University, Andrew Manu, Iowa State University, Monday Mbila, Alabama A&amp;M University, Sanjai J. Parikh, University of California, Davis, Darrell Schulze, Purdue University, Joey Shaw, Auburn University, Ray Weil, University of Maryland, and David Weindorf, Texas Tech University, Lubbock, Texas</td>
</tr>
<tr>
<td>2 p.m.</td>
<td>66</td>
<td>Impacts of Course Delivery Methodology and Duration for a Hands-On Learning Based Approach to Livestock Handling</td>
<td>Heather Jennings, Christen Jackson, Anna Johnson, Jodi Sterle and Brady McNeil, Iowa State University</td>
</tr>
<tr>
<td>2:15 p.m.</td>
<td>69</td>
<td>Learning by Doing – Simulations, Games, Experiments and Exercises for Agricultural Economics</td>
<td>Forrest Stegelin, University of Georgia</td>
</tr>
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</table>

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**Break time!**  
Stretch your legs and get some sun in the Georgia Center’s courtyard.
### Group 2A: Flipped Classroom

**ROOM Q • SESSION MODERATOR: NATHAN W. CONNER**

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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>3:45 p.m.</td>
<td>176</td>
<td>Student Perceptions of Flipping an Agricultural Teaching Methods Course</td>
<td>Nathan W. Conner, Hailey Gates, Stacy Tomas, Hannah Dugger, Billye Foster and Dennis Fennwald, Tennessee Technological University, Cookville, Tennessee, and Christopher T. Stripling, University of Tennessee</td>
</tr>
<tr>
<td>4 p.m.</td>
<td>220</td>
<td>Flipping an Undergraduate Capstone Course: Student Perceptions of their Experience in a TBL Formatted Course</td>
<td>Op McCubbins, Thomas H. Paulsen and Ryan Anderson, Iowa State University</td>
</tr>
<tr>
<td>4:15 p.m.</td>
<td>230</td>
<td>Comparing Traditional and Flipped Approaches to Teaching in an Agriculture Course</td>
<td>Christopher Campbell, Maria Navarro, Rachel Wigington and Alexa DeAntonio, University of Georgia</td>
</tr>
<tr>
<td>4:30 p.m.</td>
<td>260</td>
<td>Impact of Learner-Centered Syllabus Design on Comprehension and Retention of Course Information</td>
<td>Michelle Santiago and Matthew Shultz, Murray State University, Kentucky</td>
</tr>
<tr>
<td>4:45 p.m.</td>
<td>185</td>
<td>Student-Centered Active Learning Environment with Upside-down Pedagogies: Student Performance and Course Evaluations in a Flipped Biology Classroom</td>
<td>Kevin Curry Jr., Kimberly Pigford, Miriam Ferzli and Travis Park, North Carolina State University</td>
</tr>
</tbody>
</table>

### Group 2B: International Learning 1

**ROOM R • SESSION MODERATOR: KIRBY BARRICK**

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</thead>
<tbody>
<tr>
<td>3:45 p.m.</td>
<td>13</td>
<td>Semiotic Analysis of Agriscience Educators and Agricultural Teacher Candidates' Perceptions of Global Competency Gains During an Immersion Experience</td>
<td>Stacia Creed, Daniel D. Foster and Melanie Miller Foster, The Pennsylvania State University, and Andrew Thoron and Kirby Barrick, University of Florida</td>
</tr>
<tr>
<td>4 p.m.</td>
<td>14</td>
<td>Global Learning in Agriculture: A Multilevel Collaboration for Internationalization of Curriculum.</td>
<td>Daniel D. Foster and Melanie Miller Foster, The Pennsylvania State University, and Kirby Barrick and Andrew Thoron, University of Florida</td>
</tr>
<tr>
<td>4:15 p.m.</td>
<td>16</td>
<td>Utilizing Inquiry Based Instruction to Cultivate Global 21st Century Skill Sets</td>
<td>Melanie Miller Foster and Daniel D. Foster, The Pennsylvania State University, and Nur Husna and Abd Wahid, Workforce Education Development, University Park, Pennsylvania</td>
</tr>
<tr>
<td>4:30 p.m.</td>
<td>45</td>
<td>Teaching International Extension through Undergraduate Service Learning</td>
<td>Paul Ebner and Mark Russell, Purdue University</td>
</tr>
<tr>
<td>4:45 p.m.</td>
<td>67</td>
<td>International Agricultural Concepts through the Eyes of School-Based Agriculture Students</td>
<td>Nathan W. Conner, Tennessee Technological University, Cookville, Tennessee, and Christopher T. Stripling, University of Tennessee</td>
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</tbody>
</table>
Group 2C: Pedagogy 2  
ROOM K • SESSION MODERATOR: MISTY LAMBERT

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<tbody>
<tr>
<td>3:45 p.m.</td>
<td>98</td>
<td>Be Our Guest: Put Our Students to the Test</td>
<td>Elissa McLerran and Erica Irlbeck, Texas Tech University, Lubbock, Texas</td>
</tr>
<tr>
<td>4 p.m.</td>
<td>89</td>
<td>Emergency Activity Handbook: An Innovative Resource for Creative Teaching</td>
<td>Misty D. Lambert and Jonathan J. Velez, Oregon State University</td>
</tr>
<tr>
<td>4:15 p.m.</td>
<td>99</td>
<td>Hosting an In-Class &quot;Rural Café&quot;: Employing Agricultural Speed Dating to Build Ag Fluency</td>
<td>Frank Robinson, Martin Zuidhof, Dana Penrice and Scott Townend, University of Alberta</td>
</tr>
<tr>
<td>4:30 p.m.</td>
<td>100</td>
<td>The Value of a Prerequisite</td>
<td>Cheryl Wachenheim and Paul Fisk, North Dakota State University</td>
</tr>
<tr>
<td>4:45 p.m.</td>
<td>120</td>
<td>Teaching on My Mind: A Reflective Lesson Plan Template</td>
<td>Gaea Hock and Carley Calico, Mississippi State University</td>
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Group 2D: Pedagogy 3  
ROOM F/G • SESSION MODERATOR: DANIEL D. FOSTER

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<tbody>
<tr>
<td>3:45 p.m.</td>
<td>44</td>
<td>Recruitment and Marketing to Millennials for Academic Agricultural Programs</td>
<td>Ricky Telg, Andrea Davis and Carly N. Barnes, University of Florida</td>
</tr>
<tr>
<td>4 p.m.</td>
<td>199</td>
<td>Evaluation of Multiple Sections of a Single Animal Science Course for Consistency of Instruction Quality</td>
<td>M.J. Anderson, J.L. Leatherwood, S.F. Kelley, M.M. Beverly and K.J. Stutts, Sam Houston State University</td>
</tr>
<tr>
<td>4:15 p.m.</td>
<td>202</td>
<td>Epistemological and Pedagogical Beliefs of Award-winning Post-secondary Agriculture Faculty at Two Agricultural Universities</td>
<td>Laura L. Rice and Daniel D. Foster, The Pennsylvania State University</td>
</tr>
<tr>
<td>4:30 p.m.</td>
<td>227</td>
<td>Have Student Knowledge Levels Changed? A Decade of Pretest and Posttest Comparisons Across Agricultural Economics Courses in a Small State University Program of Agriculture</td>
<td>C. Robert Stark Jr. and P.B. Francis, University of Arkansas–Monticello</td>
</tr>
<tr>
<td>4:45 p.m.</td>
<td>231</td>
<td>Effectiveness of a Post-exam as a Learning Aid</td>
<td>Lee G. Wood, Southern Utah University, Cedar City, Utah</td>
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### Oral Presentation Session 2

**Group 2E: Technology**

**ROOM L • SESSION MODERATOR: LISA BURGOON**

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<tbody>
<tr>
<td>3:45 p.m.</td>
<td>2</td>
<td>Using YouTube to Foster Asynchronous Interaction in an Online Introductory Nutrition Course</td>
<td>M.K. Fialkowski, W.J. Gibson, J.C. Banna, M. Stewart, G. Lin, and R. Novotny, University of Hawaii at Manoa, and R. Leon Guerrero, University of Guam</td>
</tr>
<tr>
<td>4 p.m.</td>
<td>205</td>
<td>Using Simple Technology to Engage Student Learning in Large Enrollment Courses</td>
<td>Lisa Burgoon, University of Illinois</td>
</tr>
<tr>
<td>4:15 p.m.</td>
<td>246</td>
<td>Using Aerial Drones to Increase Student Participation in an Agricultural Video Production Course</td>
<td>Wayne Atchley, David Frazier, Sandra Graham and Whit Weems, Tarleton State University, Stephenville, Texas</td>
</tr>
<tr>
<td>4:30 p.m.</td>
<td>253</td>
<td>Video Ethnography: An Approach to Collecting, Archiving, and Sharing Data and Results</td>
<td>Billy R. McKim and Ashley M. Yopp, Texas A&amp;M University, and Annie R. Specht, The Ohio State University</td>
</tr>
<tr>
<td>4:45 p.m.</td>
<td>6</td>
<td>Creating High-Quality Videos for Educational Purposes</td>
<td>Ricky W. Telg, University of Florida, and Erica Irlbeck, Texas Tech University, Lubbock, Texas</td>
</tr>
</tbody>
</table>

*Bold indicates presenter.*
### Oral Presentation Session 3

#### Group 3A: Pedagogy 4
**ROOM Q • SESSION MODERATOR: NICK FUHRMAN**

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<tbody>
<tr>
<td>9 a.m.</td>
<td>92</td>
<td>Live Animals in the College Classroom: The Difference an Animal Ambassador Makes in Enhancing Student Communication Skills</td>
<td>Nicholas E. Fuhrman, Eric D. Rubenstein and Milton G. Newberry III, University of Georgia</td>
</tr>
<tr>
<td>9:15 a.m.</td>
<td>147</td>
<td>Creating Active Learning Environments Which Evoke Change Through Development of Advocacy and Leadership Skills</td>
<td>Don Mulvaney, Auburn University, Auburn, Alabama</td>
</tr>
<tr>
<td>9:30 a.m.</td>
<td>173</td>
<td>Agricultural Media Writing Students’ Self-Perceptions of their Writing Abilities</td>
<td>Holli R. Leggette, Katy Lane, Tobin Redwine and Theresa Pesl Murphrey, Texas A&amp;M University</td>
</tr>
<tr>
<td>9:45 a.m.</td>
<td>194</td>
<td>How Faculty Engage in Scholarship of Teaching and Learning</td>
<td>Bryanna Kenno, Daniel D. Foster and John Ewing, The Pennsylvania State University</td>
</tr>
<tr>
<td>10 a.m.</td>
<td>225</td>
<td>Describing Students in a Team-Based Learning Context</td>
<td>L.A. Wolfskill, Bethany D. Whitten, Kyle W. Ferrell, Shyam S. Nair and Foy D. Mills Jr., Sam Houston State University, Huntsville, Texas</td>
</tr>
</tbody>
</table>

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### Group 3B: Service Learning 1
**ROOM F/G • SESSION MODERATOR: NEIL KNOBLOCK**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>9 a.m.</td>
<td>54</td>
<td>Engaging Secondary Students with Service-Learning through Special Programming in Agricultural Education</td>
<td>Jonathan Seaman, Laura Rice and John C. Ewing, The Pennsylvania State University</td>
</tr>
<tr>
<td>9:15 a.m.</td>
<td>101</td>
<td>Science Outreach Findings and Best Practices</td>
<td>Ayla Wilk, Matt Spindler and Hannah Scherer, Virginia Tech</td>
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<td>9:30 a.m.</td>
<td>116</td>
<td>Case Study Analysis: An Innovative Pedagogical Strategy that Facilitates Student Learning through Engagement in &quot;Real Life&quot; Community Food Systems Work</td>
<td>Susan Clark, Vivica Kraak, Liza Dobson and Pete Ziegler, Virginia Tech, and Jenny Schwanke, YMCA at Virginia Tech</td>
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<tr>
<td>9:45 a.m.</td>
<td>149</td>
<td>Exploring Institutional Dimensions of PK-12 Engagement of Agriculture Faculty and Staff</td>
<td>Kaylie Scherer, Neil Knobloch and Alee Gunderson, Purdue University</td>
</tr>
<tr>
<td>10 a.m.</td>
<td>244</td>
<td>Encouraging Learning and Leadership Through Service Learning Projects</td>
<td>Joy E. Morgan and Elizabeth B. Wilson, North Carolina State University</td>
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Don your boots and take a trip to the student-oriented UGArden on today’s Plant Tour (page 8).
# Oral Presentation Session 3

## Group 3C: Program Development

**ROOM R • SESSION MODERATOR: ANNIE SPECHT**

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<td>7</td>
<td>Evaluation of an Agriculture and Food Studies Certificate Program: Lessons Learned and Strategies for Improvement</td>
<td>Robert N. King, Monroe Community College, Rochester, New York</td>
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<td>9:15 a.m.</td>
<td>23</td>
<td>John Muir: Lessons in Sustainability</td>
<td>Thomas J. Dormody, New Mexico State University</td>
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<td>9:30 a.m.</td>
<td>102</td>
<td>Graduate Extension Scholars Program: Strengthening Cooperative Linkages Between Land-Grant Universities, School-based Agricultural Education, and 4-H Youth Development</td>
<td>Hannah Scherer, Ayla A. Wilk and Matthew Spindler, Virginia Tech</td>
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<td>9:45 a.m.</td>
<td>198</td>
<td>SAFE: A Program Development Initiative to Address Sustainable Agriculture and Food Environment Opportunities</td>
<td>Kyle W. Ferrell, Timothy R. Pannkuk, Mark J. Anderson and Stanley F. Kelley, Sam Houston State University, Huntsville, Texas</td>
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<td>10 a.m.</td>
<td>249</td>
<td>Making Agriculture Relevant: Categorizing Texas Consumers’ Food-Related Knowledge, Attitudes, and Behavior</td>
<td>Billy McKim, Annie R. Specht, Tegan Walker, David Walther, Megan Homeyer and Mark Guerrero, Texas A&amp;M University</td>
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## Group 3D: Curriculum Development

**ROOM K • SESSION MODERATOR: KAREN J. CANNON**

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<td>Rebecca Weirs and Greg Miller, Iowa State University</td>
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<td>Martie Gillen, University of Florida</td>
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<td>Karen J. Cannon, University of Nebraska–Lincoln, and Annie R. Specht, The Ohio State University</td>
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<td>Chris Morgan, Athens Technical College, Athens, Georgia</td>
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<td>Bringing It All Together: Examining the Role of Capstone Courses in Cross-Disciplinary Academic Programs</td>
<td>Glenn Sterney III, Susannah Barsom, Theodore Alter, Elizabeth Engle and Taylor Griffon, The Pennsylvania State University</td>
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**Group 3E: Recruitment**  
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<td>A Modern Philosophy of Immersion for Teacher Preparation</td>
<td>M.S. Whittington, C.M. Filson, C.B. Jagger and T.D. Ray, The Ohio State University</td>
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<td>9:15 a.m.</td>
<td>71</td>
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<td>Courtney Vengrin, Matthew Schroder, Donna Westfall-Rudd and Susan Sumner, Virginia Tech</td>
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<td>132</td>
<td>Does the Quantity of Agricultural Mechanics Training Received At The Secondary Level Impact Teacher Perceived Importance of Agricultural Mechanics Skills?</td>
<td>John Rasty, Ryan Anderson and Thomas H. Paulsen, Iowa State University</td>
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<td>9:45 a.m.</td>
<td>179</td>
<td>Common Core Kids Go to College</td>
<td>Jennifer Jones, Hello Literacy, Inc., and David Jones, North Carolina State University</td>
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<td>241</td>
<td>Is a Traditional Drawing Exercise for Plant and Seed Identification Still Effective for Millennial Students?</td>
<td>Marshall Hay and Kevin Donnelly, Kansas State University</td>
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**Group 4A: International Learning 2**  
**ROOM Q • SESSION MODERATOR: TOBIN REDWINE**

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<td>Nicholas E. Fuhrman, Christopher D. Campbell, Emilia Dover, Emily Urban and Ariel Waldeck, University of Georgia</td>
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<td>Perceptions of School Based Agricultural Education Teachers Attitudes and Beliefs toward Globalizing the Agricultural Curriculum</td>
<td>Nathan W. Conner and Katelyn Butcher, Tennessee Technological University, Cookeville, Tennessee</td>
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<td>118</td>
<td>Short-Term Study Abroad Programs: What is on Undergraduates’ Minds?</td>
<td>Amber Lynn Willis, Wendy J. Warner, Barbara M. Kirby and David W. Jones, North Carolina State University</td>
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<td>11:30 a.m.</td>
<td>159</td>
<td>Distinct Viewpoints of Change as a Result of Study Abroad</td>
<td>Tobin Redwine, Tracy Rutherford and Gary Wingenbach, Texas A&amp;M University</td>
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<td>11:45 a.m.</td>
<td>203</td>
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<td>Melanie Miller Foster, Paige Castellanos and Daniel D. Foster, The Pennsylvania State University</td>
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#### Group 4B: Service Learning 2
**ROOM R • SESSION MODERATOR: MARIANNE SHOCKLEY**

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<td>Kaylie Scherer and Neil Knobloch, Purdue University</td>
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<td>11 a.m.</td>
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<td>Tammy Stephenson, Amanda Hege and Sandra Bastin, University of Kentucky</td>
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<td>11:15 a.m.</td>
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<td>Linking Leadership Development to Successful Community Engagement in the Tropics</td>
<td>Lori Unruh Snyder, North Carolina State University, and Kim Lutz, Purdue University</td>
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<td>11:30 a.m.</td>
<td>277</td>
<td>Service-Learning to Promote Edible Insects</td>
<td>Marianne Shockley, University of Georgia</td>
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<td>11:45 a.m.</td>
<td>272</td>
<td>Graduating Seniors’ Perception of College and Departmental Services</td>
<td>Murari Suvedi and Ramjee Ghimire, Michigan State University</td>
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#### Group 4C: Effective Teaching and Mentoring
**ROOM K • SESSION MODERATOR: WENDY WARNER**

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<td>10:45 a.m.</td>
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<td>Teaching Factors on Their Mind… Influencers of Student Ratings and Participation in the Faculty Course Evaluation Process</td>
<td>Jane L. Bachelor, University of Florida</td>
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<td>Amazing Orientation</td>
<td>Kathleen Jogan and Kelly Vowell Johnson, University of Arkansas</td>
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<td>11:15 a.m.</td>
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<td>Mentorship and Servant Leadership: Perceptions of First-semester Students</td>
<td>Shannon Norris, Shelly Sitton and Marshall Baker, Oklahoma State University</td>
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<td>211</td>
<td>Developing Robust Mentoring Relationships in a College of Agricultural Sciences Leadership Development Program</td>
<td>Kellie A. Strawn, Aaron J. McKim, Jonathan J. Velez and Misty D. Lambert, Oregon State University</td>
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<td>11:45 a.m.</td>
<td>213</td>
<td>Effective Teaching on My Mind: How Do Peer Evaluations Contribute to the Assessment of Faculty Teaching?</td>
<td>Wendy J. Warner, Joy E. Morgan, Travis D. Park, Daniel H. Poole and Charlotte E. Farin, North Carolina State University</td>
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**Group 4D: Effective Learning**

**ROOM L • SESSION MODERATOR: KIM NIEWOLNY**

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<td>Kasee L. Smith and Billy R. McKim, Texas A&amp;M University</td>
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<td>83</td>
<td>Using Media Clips to Enhance Teaching Methods and Student Learning</td>
<td>Martie Gillen, University of Florida</td>
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<td>11:15 a.m.</td>
<td>115</td>
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<td>B.D. Whitaker and G.W. Arburn, University of Findlay, Findlay, Ohio</td>
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<td>11:30 a.m.</td>
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<td>Integrating Team-Based Learning in an Undergraduate Capstone Course: Advice from Larry Michaelsen</td>
<td>Op McCubbins, Thomas H. Paulsen and Ryan Anderson, The Ohio State University</td>
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<td>Learning through Story: Using Narrative Inquiry in Graduate-Level Food Security Course</td>
<td>Kim Niewolny, Rebecca Landis, Garland Mason, Philip D’Adamo-Damery, Robert Bass, Dana Hogg, Amanda McGee, Shreya Mitra, Oladayo Omosa, Martin Sebit, Asha Shayo, Emily Sorensen, Elii Travis and Lily Yang, Virginia Tech</td>
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*Bold indicates presenter.*

Savor Georgia’s amazing sights, like Tallulah Gorge, on one of today’s bus tours (page 8).
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<td>Melanie Miller Foster, Daniel D. Foster and Nur Husna Abd Wahid, The Pennsylvania State University</td>
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<td>Stimulating Interest in Plant Sciences to Intermediate and High School Students of Windward Oahu</td>
<td>Ingelia White and Michael Denis, Windward Community College, Kaneohe, Hawaii</td>
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<td>Examining E-Extension: Diffusion, Disruption, and Rate of Adoption Among Iowa State University Extension and Outreach Professionals</td>
<td>Cayla Taylor and Greg Miller, Iowa State University</td>
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<td>An E-learning Feasibility Study: Perceptions of Undergraduate Agricultural Students</td>
<td>Reza Movahedi and Marjan Sepahpanah, Bu-Ali Sina University, Hamadan, Iran</td>
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<td>Advancing Your Scholarly Teaching into the Scholarship of Teaching and Learning (SoTL)</td>
<td>Ann Marie VanDeZanden, Cynthia Haynes and Sara Marketti, Iowa State University</td>
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<td>From Exposure to Challenging Urban Youth with STEM in Agriculture through the Purdue Agribusiness Science Academy (PASA) Summer Institute</td>
<td>Pamala Morris and Myron McClure, Purdue University</td>
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<td>Changes in Student Perception of Food Animal Agriculture Following Discussion of Controversial Topics</td>
<td>Daniel H. Poole, Sarah E. Lyons and Jeannette A. Moore, North Carolina State University</td>
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<td>Barbara Fiese, Jill Bowers, Dorothy Teagarden, Amber Hammons, Lianne Destefano, Gabriella Garcia and Brenda Koester, University of Illinois</td>
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<td>Nikki Shrimpton, Linda Jones, Sadie Ross and Jeremy Stone, State University of New York, Empire State College</td>
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**Please note:** Posters should be put up between 7 and 8 a.m. on Wednesday, and 7:30 and 8:30 a.m. on Friday. Posters can be removed after 4 p.m. on Wednesday and between 3 and 4 p.m. on Friday. All posters will stay mounted for the entire day of presentation. Half of the authors are to be present during the first session, half are to be present during the second session.
### F1 Posters

**friday**

9:30-10:45 A.M.

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<td>Gary Apgar and Mickey Latour, Southern Illinois University, Carbondale, Illinois</td>
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<td>iTeach: Building an Inter-University Veterinary Pathology Community of Learning</td>
<td>Kelly Soltysiak and Heather Simmons, Texas AgriLife Research, Valerie York and Derek Mosier, Kansas State University, and Jesse Hostetter, Iowa State University</td>
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<td>Orienting the First Year Student: Mapping the Future</td>
<td>Robert D. Shannon and Tammy Bennett, The Pennsylvania State University</td>
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<td>Perceptions of Undergraduate Students Regarding Global Hunger</td>
<td>David Jordan, Bob Patterson, Gary Moore, Wendy Warner and Carla Cave, North Carolina State University</td>
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<td>Utilizing Social Media and Technology in the Classroom: Innovative or Irritating?</td>
<td>Courtney Vengrin, Tanya Halliday and Donna Westfall-Rudd, Virginia Tech</td>
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<td>Colleen Kelly, North Carolina State University</td>
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<td>Joy E. Morgan, Travis D. Park and Meghan M. Wood, North Carolina State University</td>
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<td>Jackson Alexander, K. Jill Rucker and Donna Graham, University of Arkansas</td>
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### F2 Posters

**friday**

10:45 A.M.-NOON

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<td>Kristen Saniga and Clint Stevenson, North Carolina State University</td>
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<td>Impact of Major Program Events on Instructor Self Perception</td>
<td>Andrew Bolton and Don Edgar, University of Arkansas</td>
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<td>Mary Martini, Kanayo Sakai and Taryn Kurosawa, University of Hawaii at Manoa</td>
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<td>Why are Students Choosing to Dropout from College of Agriculture at Razi University?</td>
<td>Kiumars Zarafshani, Akram Binaian, Afsaneh Malekhosseini, Lida Sharafi, Marzieh Norouzi and Hossein Heydari, Razi University, Kermanshah, Iran</td>
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<td>Developing Well Rounded Agriculture Students: The Importance of Teaching U.S. Agricultural History</td>
<td>James Butler, Danny Walker, Jason Roberts and Joey Mehlhorn, University of Tennessee at Martin</td>
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<td>Jason Roberts, Danny Walker, Emalee Buttrey and Joey Mehlhorn, University of Tennessee at Martin</td>
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<td>Kari K. Turner, University of Georgia</td>
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<td>Strategies for Teaching Weed Identification</td>
<td>Patrick J. Tranel, University of Illinois</td>
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<td>Integrating Native Perennial Plant Concepts into Plant Propagation Curricula</td>
<td>Chad T. Miller, Kansas State University, and Christopher J. Currey and Anne Marie VanDerZanden, Iowa State University</td>
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<td>The Impact of a Manuscript Critique Program on Horticulture Students’ Knowledge and Perceptions toward Scientific Writing</td>
<td>Catherine W. Shoulders and Michael R. Evans, University of Arkansas</td>
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<td>160</td>
<td>Motivating Factors for Student Choice of Major: A Longitudinal Study</td>
<td>Christina M. Leard, Thomas R. Dobbins and Kendall Kirk, Clemson University, Clemson, South Carolina</td>
</tr>
<tr>
<td>164</td>
<td>Fitness Conditioning Opportunity Improves Classroom Knowledge and Encourages Personal Fitness</td>
<td>Kari K. Turner, University of Georgia</td>
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<td>170</td>
<td>Strategies for Teaching Weed Identification</td>
<td>Patrick J. Tranel, University of Illinois</td>
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<td>175</td>
<td>Integrating Native Perennial Plant Concepts into Plant Propagation Curricula</td>
<td>Chad T. Miller, Kansas State University, and Christopher J. Currey and Anne Marie VanDerZanden, Iowa State University</td>
</tr>
</tbody>
</table>
Posters

<table>
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<th>NO.</th>
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</thead>
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<tr>
<td>204</td>
<td>Students’ Involvement in Campus Organizations: Attitudes and Perceived Benefits</td>
<td>N.L. Dawkins, H.J. Findlay and R.D. Pace, Tuskegee University, Tuskegee, Alabama</td>
</tr>
<tr>
<td>206</td>
<td>Didactic and Web-based Animations for Presentation of the Pathogenesis of High Impact Veterinary Diseases</td>
<td>Derek Mosier, Jessica Green, Kent Nelson and Mal Hoover, Kansas State University, Gayle Brown, Kevan Flaming and Jesse Hostetter, Iowa State University, and Valerie York, Kansas State University</td>
</tr>
<tr>
<td>223</td>
<td>Providing Immediate Feedback for Learners by Utilizing GradeCam</td>
<td>Op McCubbins, Iowa State University</td>
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<td>229</td>
<td>Adding an Economics Component to a Precision Agronomic Management Course: Challenges and Benefits</td>
<td>C. Robert Stark Jr. and Paul B. Francis, University of Arkansas at Monticello</td>
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<tr>
<td>251</td>
<td>A Comparison of Knowledge Gained through Multidisciplinary Teaching on Food Security</td>
<td>Lori Unruh Snyder, Morgan Malone and Anthea Saez, North Carolina State University</td>
</tr>
<tr>
<td>265</td>
<td>Novel Approaches to Teach Histology to Undergraduates in the Reproductive Sciences</td>
<td>Kyle C. Caires, Berry College, Mt. Berry, Georgia</td>
</tr>
<tr>
<td>268</td>
<td>“Santorio Santorio, We Hardly Knew You:” Strategies for Improving Carbon Cycle Literacy</td>
<td>Tony Hartshorn, Jamie Cornish, Nick Lux and Irene Grimberg, Montana State University</td>
</tr>
<tr>
<td>270</td>
<td>The Effect of Supplemental Instruction on Student Performance and Metacognitive Skill Development in a First Year Chemistry Course Sequence</td>
<td>Greg Pillar, Jennifer Daniels, Beth Stuart, Andy Tucker, Frantisek Majs and Shariva White, Queens University, Charlotte, North Carolina</td>
</tr>
<tr>
<td>275</td>
<td>Determining Essential Components of a College-level Bioenergy Curriculum Using the Delphi Technique</td>
<td>Kimi Grzyb, Brian Hartman and Katherine G. Field, Oregon State University</td>
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</tbody>
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Oral Presentation Session 5

**Group 5A: Critical Thinking**

ROOM Q • SESSION MODERATOR: ABIGAIL BORRON

<table>
<thead>
<tr>
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<th>NO.</th>
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</tr>
</thead>
<tbody>
<tr>
<td>1:30 p.m.</td>
<td>110</td>
<td>Utilizing Competing Narratives to Increase Critical Thinking Abilities</td>
<td>Kyle A. Gavin and Dustin K. Perry, Montana State University</td>
</tr>
<tr>
<td>1:45 p.m.</td>
<td>117</td>
<td>Enriching Student Engagement Through Critical Reflexive Analysis</td>
<td>Abigail Borron, University of Georgia, and Amanda Gee, Purdue University</td>
</tr>
<tr>
<td>2 p.m.</td>
<td>228</td>
<td>Comparing Senior Agriculture and Non-Agricultural Student Valuation of Communication and Critical Thinking Experiences</td>
<td>Donna L. Graham, Donald M. Johnson, Leslie D. Edgar, Catherine W. Shoulders and K. Jill Rucker, University of Arkansas</td>
</tr>
</tbody>
</table>

*Bold indicates presenter.*

Please note: Oral presentations must be submitted in advance; presentations cannot be made from a personal laptop. Please arrive 15 minutes before the start of your session.
**Oral Presentation**

**Session 5**

**Group 5B: Online/Distance Education 2**

**ROOM R • SESSION MODERATOR: TOM HAMMETT**

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>1:30 p.m.</td>
<td>3</td>
<td>Factors Motivating Students to Respond to Online Course Evaluations in the College of Agricultural and Life Sciences at the University of Florida</td>
<td>Seth Heiner and T. Grady Roberts, University of Florida</td>
</tr>
<tr>
<td>1:45 p.m.</td>
<td>64</td>
<td>Social Media Activity of Agriculture Extension Graduate Students in India</td>
<td>Kalyan Ghadei, Banaras Hindu University, India, and Tom Hammett and Rick Rudd, Virginia Tech</td>
</tr>
<tr>
<td>2 p.m.</td>
<td>80</td>
<td>Remotely-Guided Study Abroad</td>
<td>Roger Brown, University of Kentucky, and Alex Thor, Explorations by Thor, Lexington, Kentucky</td>
</tr>
<tr>
<td>2:15 p.m.</td>
<td>50</td>
<td>Do Students Value Learning? Examining Affective Learning Indicators</td>
<td>Kathleen Jogan and Kelly Vowell Johnson, University of Arkansas</td>
</tr>
</tbody>
</table>

**Group 5C: Improving Retention 2**

**ROOM K • SESSION MODERATOR: SHELLY SITTON**

<table>
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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>1:30 p.m.</td>
<td>166</td>
<td>WHO FILLS THE SEAT: The Demographics, Perceptions, and Knowledge Base of Students Enrolled in the Introduction to Animal Science Course at Oklahoma State University</td>
<td>Samantha Lowman, Ashtin Bechtold, Michelle Calvo-Lorenzo, Traci Naile and Dan Stein, Oklahoma State University</td>
</tr>
<tr>
<td>1:45 p.m.</td>
<td>219</td>
<td>Examining the African-American Perception of Agriculture: Views of Students Attending an 1862 Land-Grant Institution</td>
<td>Courtney P. Jordan, Langston University, Langston, Oklahoma, and Nicholas R. Brown, Shelly Sitton, M. Craig Edwards and Angel Riggs, Oklahoma State University</td>
</tr>
<tr>
<td>2 p.m.</td>
<td>243</td>
<td>Factors Associated with Pursing Nutrition Careers and Increased Knowledge in Diverse Students</td>
<td>Archana J. McEligot, Laura Chandler and Lyanna Pillazar, California State University—Fullerton, and Francene Steinberg and Luica Kaiser, University of California—Davis</td>
</tr>
<tr>
<td>2:15 p.m.</td>
<td>191</td>
<td>Factors Affecting the Success in College of Latino International Students</td>
<td>Hugo Moran Chavez and Maria Navarro, University of Georgia</td>
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</table>
**Oral Presentation**

**Session 5**

**Group 5D: Pedagogy 5**

**ROOM L • SESSION MODERATOR: AMIN AHMADZADEH**

<table>
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</thead>
<tbody>
<tr>
<td>1:30 p.m.</td>
<td>124</td>
<td>Cognitive Learning: Hands-On vs. Theoretical</td>
<td>Michael Watson, Dwayne Pavelock, Doug Ulrich, Robert Maninger and Joe Muller, Sam Houston State University, Huntsville, Texas</td>
</tr>
<tr>
<td>1:45 p.m.</td>
<td>152</td>
<td>Learning Gains and Teaching Strategies for a 21st Century Education in Animal Sciences: Result of a National Survey</td>
<td>M.A. Wattiaux, S.D. Ranathunga and P. Crump, University of Wisconsin–Madison</td>
</tr>
<tr>
<td>2 p.m.</td>
<td>167</td>
<td>Student Delivery and Discovery Skills and Performance in Animal Science Courses</td>
<td>Amin Ahmadzadeh, Jeremy Falk, Douglas Masser and Matt Doumit, University of Idaho</td>
</tr>
<tr>
<td>2:15 p.m.</td>
<td>172</td>
<td>Cognitive Tasks Required in Undergraduate Courses: A Comparison of Agriculture and Non-Agriculture Students</td>
<td>Donald M. Johnson, Leslie D. Edgar, Catherine W. Shoulders, Donna L. Graham and K. Jill Rucker, University of Arkansas</td>
</tr>
</tbody>
</table>

**Group 5E: Application**

**ROOM F/G • SESSION MODERATOR: ANN MARIE VANDERZANDEN**

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>1:30 p.m.</td>
<td>10</td>
<td>Promoting Novel-Shaped Agricultural Products: An Application of the Mental Models Approach in Developing Message Design Skills</td>
<td>Lulu Rodriguez and Sela Sar, University of Illinois, and Suman Lee, Iowa State University</td>
</tr>
<tr>
<td>1:45 p.m.</td>
<td>31</td>
<td>Utilizing a Hydroponic Food Production Course to Increase Student Awareness and Understanding of Food Security</td>
<td>Christopher J. Currey and Ann Marie VanDerZanden, Iowa State University</td>
</tr>
<tr>
<td>2 p.m.</td>
<td>40</td>
<td>Objectives-driven Soil Science Refresher Course</td>
<td>Sergio Abit, Oklahoma State University</td>
</tr>
<tr>
<td>2:15 p.m.</td>
<td>84</td>
<td>An Examination of Agritourism in Action: Teachers’ Perspectives of an On-farm Experience</td>
<td>Caroline B. Lewallen, Jaemor Farms, Alto, Georgia, and Theresa Pesl Murphy and Holli R. Leggette, Texas A&amp;M University</td>
</tr>
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</table>
**Workshops**

**WORKSHOP 1: ROOM Q**  
Internationalizing Colleges and Universities  
Sponsor: NACTA International Committee  
Moderated by: Kelly A. Newlon, The Ohio State University

3:30-3:30 P.M.  
“Assessment of internationalization outcomes at an institutional or college level,” Dr. Kavita Pandit, associate provost for international education, University of Georgia

3:30-4 P.M.  
“Building cross-cultural competencies through study abroad,” Dr. Kirby Barrick, professor and former dean, University of Florida

4-4:30 P.M.  
Panel of Experts: Best practices with faculty and administrators who have carried out internationalization efforts in colleges of agriculture  
- Dr. Melanie Foster, The Pennsylvania State University  
- Dr. Mark Russell, Purdue University  
- Dr. Murari Suvedi, Michigan State University

4:30-5 P.M.  
Break-out discussions

**WORKSHOP 2: ROOM R**  
Advancing Your Scholarly Teaching into the Scholarship of Teaching and Learning (SoTL)  
Presented by: Dr. Ann Marie VanDerZanden and Dr. Cindy Haynes, Iowa State University

3:30-3:15 P.M.  
Introductions and sorting activity  
(Scholarly teaching vs. SoTL)

3:15-3:30 P.M.  
Discuss pre-reading in small groups and summarize in large group

3:30-4 P.M.  
Identify and develop research question; refine with group input

4-4:15 P.M.  
Data collection protocol (IRB approval, direct vs. indirect measures, qualitative vs. quantitative data)

4:15-4:45 P.M.  
Develop individualized research timeline (literature review, data collection, analysis, possible publishing venues)

4:45-5 P.M.  
Wrap-up

**WORKSHOP 3: ROOM K**  
Team-Based Learning (TBL) Flips the Classroom: We’ve Been “Flipping” for Years  
Moderated by: Foy Mills, Jr., Sam Houston State University  
Presented by: Kyle W. Ferrell, Sam Houston State University, and Lisa L. Orgler and Holly S. Bender, Iowa State University

3 P.M.  
Welcome, introductions by facilitators, preliminary instructions, group formation and introductions

3:20 P.M.  
Participants take iRAT/tRAT over reading

3:50 P.M.  
tRAT feedback

4 P.M.  
Group Activity 1: A series of questions regarding the RAP will be asked, and each group will visibly respond using answer cards.

**WORKSHOP 4: ROOM L**  
Advising Perspectives Inventory  
Presented by: Dennis Buckmaster and Neil Knobloch, Purdue University

The Teaching Perspectives Inventory by Pratt et al. (2001) was adapted to advising. In this highly interactive workshop, participants will complete a questionnaire to identify their scores in each of the five perspectives (transmission, apprenticeship, developmental, nurturing and social reform). After an engaging overview activity, participants will gain insights about these perspectives of advising functions through skits and guided discussion.

3-3:15 P.M.  
Introduction and questionnaire completion (on your mobile device or ours)

3:15-3:45 P.M.  
Brief overview of the perspectives

3:45-4:30 P.M.  
Skits, small group discussion and popcorn reports

4:30-4:45 P.M.  
Sharing of best practices

4:45-5 P.M.  
Wrap-up

**WORKSHOP 5: ROOM F/G**  
Developing a Teaching Portfolio  
Moderated by: R. Elaine Turner, University of Florida

3:30-3:40 P.M.  
How do we measure and report the impact of teaching at the university level?  
Dr. Ron Cervero, associate vice president for instruction, University of Georgia

3:40-4 P.M.  
Measuring and reporting the impact of teaching at the University of Florida, Dr. Elaine Turner, dean

4:40-4:50 P.M.  
Discussion and wrap-up
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Thanks to these UGA College of Agricultural and Environmental Sciences employees for their work in planning this year’s NACTA conference.

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Kari Turner
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Thanks to Kathryn Schliro and Katie Walker from the Office of Communications and Creative Services for creating this program book.
CONFERENCE at a glance

6.16 **tue.**
- NOON to 6 P.M. Registration/Information CONFERENCE DESK
- 1 to 5 P.M. NACTA Executive Meeting ROOM J
- 1 to 5 P.M. NIFA Project Director’s Meeting ROOM Q
- 5 to 5:30 P.M. Moderators’ Meeting ROOM J
- 5 to 6 P.M. Reception for First-time attendees DOGWOOD HALL
- 6 to 8 P.M. Reception GALLERIA & ATRIUM
- 6:45 to 7:45 P.M. Trial Garden Tour CONFERENCE DESK

6.17 **wed.**
- 7 A.M. to 5 P.M. Registration/Information CONFERENCE DESK
- 7 to 8 A.M. Breakfast MAGNOLIA BALLROOM
- 8 to 9:30 A.M. Opening Session/Keynote Address MAHLER AUDITORIUM
- 9:30 A.M. to NOON Posters/Break GALLERIA & ATRIUM
- NOON to 1:30 P.M. Lunch MAGNOLIA BALLROOM
- 1:30 to 3:15 P.M. Oral Presentations Q, R, K, L, F/G (2nd floor)
- 3:15 to 3:45 P.M. Break 2ND FLOOR
- 3:45 to 5 P.M. Oral Presentations Q, R, K, L, F/G (2nd floor)

6.18 **thu.**
- 7 to 8 A.M. Breakfast MAGNOLIA BALLROOM
- 8 A.M. to 12:30 P.M. Registration/Information CONFERENCE DESK
- 8 to 9 A.M. NACTA Committee Meetings Q, R, K, L, F/G, J (2nd floor)
- 9 to 10:15 A.M. Oral Presentations Q, R, K, L, F/G (2nd floor)
- 10:15 to 10:45 A.M. Break 2ND FLOOR
- 10:45 A.M. to NOON Oral Presentations Q, R, K, L (2nd floor)
- NOON to 12:30 P.M. Boxed Lunch GALLERIA
- NOON to 5 P.M. Tours BUSES LEAVE FROM GEORGIA CENTER AT CARLTON STREET
- 5:30 to 9:30 P.M. Free Evening BUS SERVICE AVAILABLE

6.19 **fri.**
- 7:30 to 8:30 A.M. Breakfast MAGNOLIA BALLROOM
- 8 A.M. to 5 P.M. Registration/Information CONFERENCE DESK
- 8:30 to 9:30 A.M. Blue Ribbon Speech MAHLER AUDITORIUM
- 9:30 A.M. to NOON Posters/Break GALLERIA & ATRIUM
- Trade Show ATRIUM
- NOON to 1:30 P.M. Lunch & NACTA Business Meeting MAGNOLIA BALLROOM
- 1:30 to 2:30 P.M. Oral Presentations Q, R, K, L, F/G (2nd floor)
- 2:45 to 3 P.M. Break 2ND FLOOR
- 3 to 5 P.M. Workshops Q, R, K, L, F/G (2nd floor)
- 5:30 to 6:30 P.M. Social Time GALLERIA
- 6:30 to 8:30 P.M. Banquet MAGNOLIA BALLROOM

**FOR DETAILED SCHEDULE, SEE** page 6.