

teaching on my min. 

# NACTA

*athens, georgia*

61ST ANNUAL CONFERENCE  
JUNE 16-20, 2015



# Welcome to Athens, the Classic City.

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 facili-

ties 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.





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

*Make yourself at home.*



## STAY INFORMED

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

## GO DIGITAL

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



## JOIN A COMMITTEE

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



## GET A TASTE OF THE TOWN

**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.

## CATCH A RIDE



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).

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.

## CONNECT TO WI-FI

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.

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

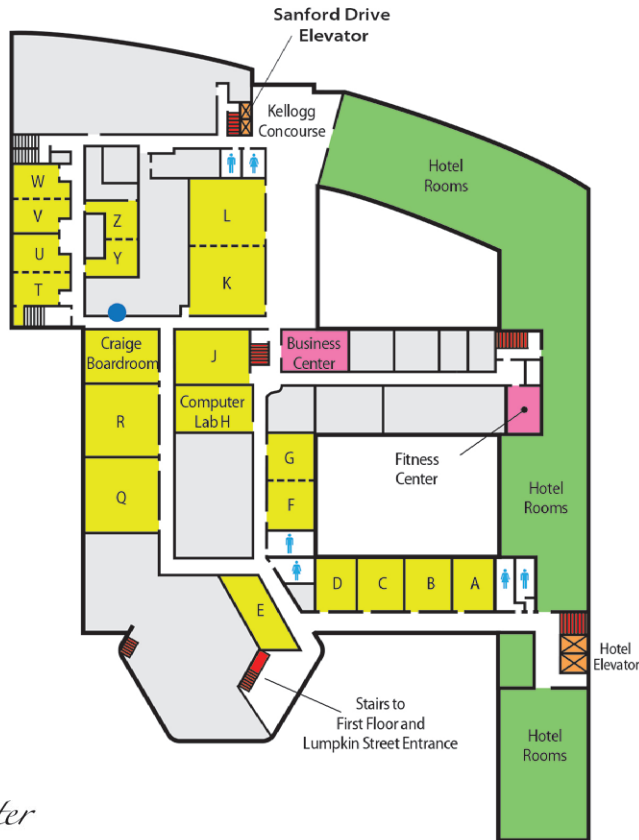
FIND your way

# contents

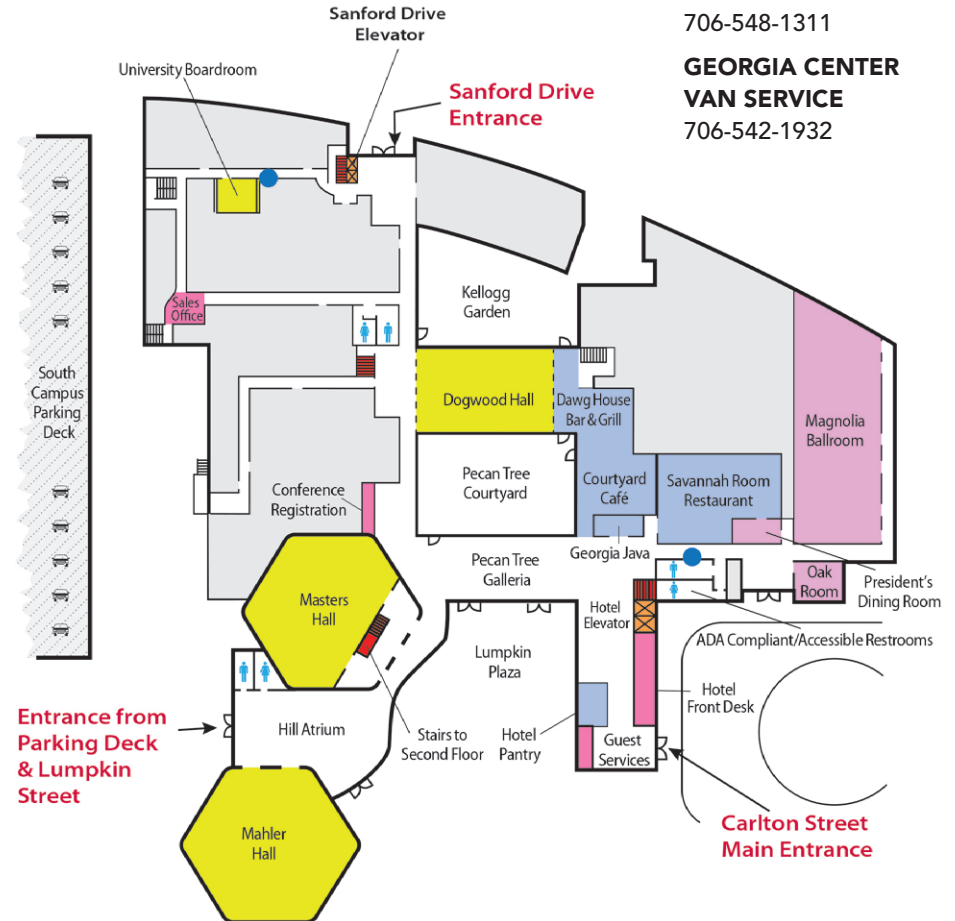
SCHEDULE	6	THURSDAY ORALS	32
ABOUT THE SPEAKERS	10	FRIDAY POSTERS	42
SPONSORS	11	FRIDAY ORALS	49
WEDNESDAY POSTERS	12	WORKSHOPS	54
WEDNESDAY ORALS	20	COMMITTEES	56

-  Restrooms
-  Elevators
-  Stairs
-  Water Bottle Filling Station
-  Meeting Space
-  Banquet Dining
-  Restaurants
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## FIRST FLOOR



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Close out your first day at UGA with a relaxing stroll through the Trial Gardens.

# schedule

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

>> 6:45-7:45 p.m.

Walking Tour of the Trial Gardens at UGA  
MEET AT CONFERENCE REGISTRATION DESK  
Tours will leave every 15 minutes.

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 Con-  
ference Registration Desk and must  
be made by noon on Thursday.*

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 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

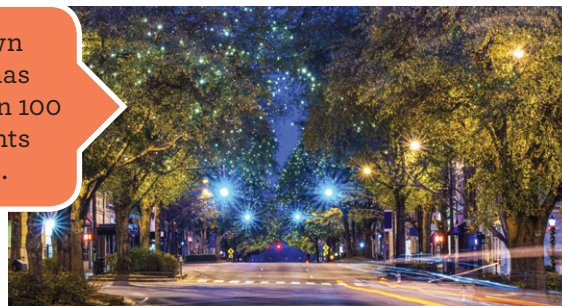
**>> 5:30-6:30 p.m.**

Social Time  
PECAN TREE GALLERIA

**>> 6:30-8:30 p.m.**

Banquet  
MAGNOLIA BALLROOM

Downtown  
Athens has  
more than 100  
restaurants  
and pubs.



6.20 sat.

>> 8-8:45 a.m.

NACTA Executive Committee Breakfast  
OAK ROOM

>> 8:45 a.m.-Noon

NACTA Executive Committee Meeting  
ROOM J

### 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."



### 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.

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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#### SILVER SPONSOR



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Show Participants!

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Carolina Biological Supply Company  
Adobe Systems Inc.  
CEV Multimedia

wednesday  
9:30-10:45 A.M.

# W1 Posters

NO.	POSTER TITLE	AUTHORS
32	Integrating Containerized Native Perennial Plants into Greenhouse Crop Production Curricula	<b>Christopher J. Currey</b> and Ann Marie VanDerZanden, Iowa State University, and Chad T. Miller, Kansas State University
36	Advising Perspectives Inventory and Workshop Outcomes	Dennis R. Buckmaster, Tim Kerr and Neil Knobloch, Purdue University
38	UFCTI: Measuring Students' Critical Thinking Styles	Alexa Lamm and Ricky W. Telg, University of Florida
46	Service-learning in a Community Nutrition Course: Technology-Enhanced Strategies for Assessment of Student Learning	<b>Georgianna Mann</b> , Jennifer Helms, Elena Serrano and Sarah Misyak, Virginia Tech
47	Students' Perceptions of Enhancing Teaching-Learning Environment in Agricultural Classrooms	Emily Urban, University of Georgia, and <b>John C. Ewing</b> and Rama Radhakrishna, The Pennsylvania State University
58	Using Case Study Reusable Learning Objects (RLOs) to Facilitate Critical Thinking in Food, Agriculture, and Natural Resources	<b>T. Grady Roberts</b> , Nicole L.P. Stedman, Amy Harder, Becky Raulerson and Bertrhude Albert, University of Florida
60	Benefits of the Conservation Reserve Program on Highly Erodible Land	Wayne Atchley, <b>William Payne</b> , Rudy Tarpley and David Snyder, Tarleton State University, Stephenville, Texas
62	Behind the Scenes: Working a Professional Golf Event	<b>Christian M. Baldwin</b> , Gaea Hock and Barry R. Stewart, Mississippi State University
65	Sense and Consensus on Climate Change	Kalyan Ghadei, Banaras Hindu University, India, and <b>Tom Hammett</b> , Rick Rudd and Dana Hogg, Virginia Tech
68	The Sweet Potato Innovation Challenge	<b>Stephen L. Meyers</b> , Jason K. Ward, April K. Heiselt and Laura H. Downey, Mississippi State University

NO.	POSTER TITLE	AUTHORS
75	An Examination of School-based Texas Agriculture Science Teacher Position Announcements for the 2014-2015 Academic School Year: Are Teachers Prepared to Meet These Challenges?	Casey Roe and P. Ryan Saucier, Texas State University
76	The Relationship of Quality and Quantity of Agricultural Mechanics Training in Agricultural Post-Secondary Preparation in the State of Iowa	Nichole Gent, Prairie City-Monroe High School, Monroe, Iowa, <b>Taylorann Clark</b> , Ryan Anderson and Thomas H. Paulsen, Iowa State University
82	A Peer to Peer Program for Teaching Family and Small-Scale Commercial Hydroponic Vegetable Production in a Low Cost Insect-Free Greenhouse for Tropical Areas	Howard Pea, Kalei Pea, Muncie Pea, Randy Kilhoffer, Stacy Kilhoffer, Naoli Weller, James Weller, Louie Ha'o and Teresa Beckley, Keaukaha-Pana'eua Farmers Association, Hilo, Hawaii, and William Sakai, Russell Shiohita and Marcia Sakai, University of Hawaii at Hilo
113	Exploring Leadership Development Through Community-Based Experiences	Aaron J. McKim, <b>Josh Stewart</b> , Kellie Strawn and Jonathan J. Velez, Oregon State University
114	Career Interests of Agriculture Dual Enrollment Students	Steven "Boot" Chumbley, Eastern New Mexico University, Portales, New Mexico, and Greta Schuster, Texas A&M University-Kingsville
121	Teaching Welding: Actual vs. Virtual Reality	Michael Watson, Dwayne Pavelock, Doug Ullrich, Robert Maninger and Joe Muller, Sam Houston State University, Huntsville, Texas
122	Nonlinguistic Representation as a Tool for Enhancing Thinking Skills	Gaea Hock and T.J. Bradford, Mississippi State University
123	Anxiety of Welding Lowered Through Virtual Reality	<b>Michael Watson</b> , Dwayne Pavelock, Doug Ullrich, Robert Maninger and Joe Muller, Sam Houston State University, Huntsville, Texas



**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.

*Bold indicates presenter.*





wednesday  
9:30-10:45 A.M.

# W1 Posters

NO.	POSTER TITLE	AUTHORS
125	Utilizing Celly Technology to Encourage Student Completion of Coursework	<b>Gaea Hock</b> , Mississippi State University, and Alyssa Barrett, ECHO International, Pittsburgh, Pennsylvania
130	Teaching Applied Physical Science in a Metals and Welding Activity	<b>Michael L. Pate</b> , Bruce Miller and Richard Beard, Utah State University
154	Change in Student Values After Completing an Academic Community Engagement Course	<b>Marcy M. Beverly</b> , Stanley F. Kelley, Foy Mills Jr. and Sharon Frey, Sam Houston State University, Huntsville, Texas
155	Hispanic Agricultural Education Students' Career and College Plans	<b>Kristopher M. Elliott</b> , University of Georgia, and Misty D. Lambert, Oregon State University
157	Teaching Best Management Practices to Secondary Agriculture Students	<b>Rachel Mack</b> , Hannah Scherer, Jim Owen and Alex Niemiera, Virginia Tech
168	WHO FILLS THE SEAT: Student Perception of Current and Contemporary Issues Facing Food and Animal Agriculture	<b>Ashtin Bechtold</b> , Samantha Lowman, Michelle Calvo-Lorenzo, Traci Naile and Dan L. Stein, Oklahoma State University
180	Agricultural Policy Influencers' Preferred Methods of Communication: Helping Educators Prepare Students to Impact Agricultural Policy	Victor K. Salazar, Tracy Rutherford, Gary Briers, Ron Lacewell and <b>Tobin Redwine</b> , Texas A&M University
189	Are Judges Biased During Competitive FFA Events when Using Subjective Criteria?	Meagan Pasket, Dwayne Pavelock, Mark Anderson and Doug Ullrich, Sam Houston State University, Huntsville, Texas
190	Agricultural Outreach Activities in Western Puerto Rico	<b>Winston de la Torre</b> and Felix Román, University of Puerto Rico
193	Impact of a Child Safety Seat Checkup Educational Event	<b>Brianne N. Langdon</b> , Whit H. Weems and G. Curtis Langley, Tarleton State University, Stephenville, Texas, and Donald W. Kelm, Texas A&M

NO.	POSTER TITLE	AUTHORS
197	Student Knowledge of Animal Agriculture and Animal Welfare Topics: 1 Year Summary	<b>Kimberly Cash</b> , Bruce Shanks, James D. Caldwell, Amy L. Bax and Luke S. Wilbers, Lincoln University, Jefferson City, Missouri
217	Student and Faculty Perceptions of Implementing Active Learning in College of Agriculture Courses	Tracy Dougher, Irene Grimberg, Shannon Arnold, Tony Hartshorn, Dustin Perry and Mac Burges, Montana State University
233	Inspiring the Next Generation of Agronomists Through New Biofuel Educational Resources	<b>Martin L. Battaglia</b> and Hannah H. Scherer, Virginia Tech
234	Innovative Approach to Promote Higher Level Learning of Complex Scientific Concepts in a Rigorous Nutritional Biochemistry Course	Dawn Brewer, Darrell Brewer and Tammy Stephenson, University of Kentucky
239	Summer Interns as Recipients and Deliveries of Agriculture Related Information	<b>C. Catanzaro</b> and N. Jaja, Virginia Tech
247	Mentoring About Climate Change: A Two-Way Street	<b>Brooke Zanetell</b> , University of New Mexico-Taos
258	Protecting Water Quality – Spreading the Message	<b>J.A. Gleichsner</b> , J.B. McGonegal, B.J. Stoss, A.J. Rudd and J.J. Cahoj, Fort Hays State University, Hays, Kansas
259	Using the "New Illustrated Guide to Soil Taxonomy" in Undergraduate Soil Courses	<b>Kim J. Kerschen</b> , Michel D. Ransom and Stephen J. Thien, Kansas State University

*Bold indicates presenter.*



wednesday  
10:45 A.M.-NOON

# W2 Posters

NO.	POSTER TITLE	AUTHORS
8	Publishing Graduate Class Projects: Advantages and Potential Pitfalls	<b>Carolyn A. Copenheaver</b> , Virginia Tech, S. Andrew Predmore, Indiana State University, and Nicholas E. Fuhrman, University of Georgia
19	"Flipped Internships": One Way Arizona Grows a Diverse Agriculture Workforce	<b>Marshall Logvin</b> , South Mountain Community College, Phoenix, Arizona
20	Team-Based Learning Outcomes in Agricultural Education: Developing a Survey Instrument to Evaluate Student Individual and Group Learning	<b>Lisa Orgler</b> , Georgeanne Artz, Keri Jacobs, Sarah Bickelhaupt, Holly Bender, Laura Bestler, Beth Caissie, Cassandra Dorius, Michael Dorneich, Sandra Gahn, Monica H. Lamm, Jane Rongerude and Ann Smiley-Oyen, Iowa State University
24	If You Flip It, Will They Come?	<b>Heidi Radunovich</b> , University of Florida
39	Delivery and Student Perception of a Flipped Senior-level Soil Science Course	<b>Sergio M. Abit</b> , Oklahoma State University
42	Concept Development in an Entry-level Landscape Design Course	<b>Lisa Orgler</b> , Iowa State University
53	Development of an Online Game for Post-secondary Food Safety Education	<b>Adrienne E.H. Shearer</b> , Dallas G. Hoover, Sue Snider and Kalmia E. Kniel, University of Delaware, and Jeanne Gleason, Barbara Chamberlin, David Abraham and Pamela Martinez, New Mexico State University
55	The LEADERS Program: Experiential Learning Opportunities for Hispanic Students in Animal Science	<b>Kim McCuiston</b> , Texas A&M University-Kingsville, and Clint Löest, New Mexico State University
73	Experiential Learning in Distance Locations	<b>Charles Kinoshita</b> and Sylvania Wu, University of Hawaii at Manoa
79	Experiential Learning Activities as Tools to Promote Diversity in Food Science and Technology	Lynette E. Orellana, María de L. Plaza, Edna Negrón, Leyda Ponce de León and <b>Angel O. Custodio</b> , University of Puerto Rico

NO.	POSTER TITLE	AUTHORS
81	Experiential Learning Using Slow-Motion Kinematic Analysis to Enhance Student Learning and Decision Making	<b>Kylee J Duberstein</b> , University of Georgia
134	Effect of Colored Versus White Paper on Student Exam Performance	<b>John Cole</b> and Sandy Mehlhorn, University of Tennessee at Martin
138	Student Evaluations of a Problem Based Learning, Large Animal App for iDevices	<b>Ann M. Rashmir-Raven</b> , Jennifer Roberts, Kent Ames, Jon Patterson, Robert Malinowsk and Matt R. Raven, Michigan State University, Robert L. Linford and Ben Nabors, Mississippi State University, and Lowell Midla and Frank Welker, The Ohio State University
148	Using the Flipped Classroom to Develop 21st Century Employability Skills: Merits, Limitations, and Strategies	<b>D. Adam Cletzer</b> , James Anderson II and M. Antonio Silas, Virginia Tech
158	Toward a Concentric Model of Change: Completing a Model of Holistic Human Development	<b>Tobin Redwine</b> , Tracy Rutherford and Gary Wingenbach, Texas A&M University
162	How Efficacy and Professional Development Support Affect Integration of Other Subjects in a Formal Agricultural Education Classroom	<b>Tiffany A. Drape</b> , Megan Lopez, Donna Radford and Rick Rudd, Virginia Tech
165	Evaluation to Improve College Teaching: Going Beyond the Student Evaluation Instrument	<b>Jeremy Falk</b> and Aaron Johnson, University of Idaho
171	Self-efficacy Assessment in a PreVeterinary-track Professional Development Course	<b>Shweta Trivedi</b> , Kimberly Schreiber and James Harper, North Carolina State University
174	Investigating Students' Experiences at a Professional Development Conference	<b>Brooke Prather</b> , Holli R. Leggette and Tracy Rutherford, Texas A&M University
182	Utilizing Snapchat to Prepare for Career Development Events	<b>Op McCubbins</b> , Ryan Anderson and Thomas H. Paulsen, Iowa State University

*Bold indicates presenter.*



wednesday  
10:45 A.M.-NOON

# W2 Posters

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

NO.	POSTER TITLE	AUTHORS
237	Increasing Student Engagement on a University Teaching Farm through an Experience-rich Management Course	<b>Matthew Shultz</b> , Emily Hume and Michelle Santiago, Murray State University, Murray, Kentucky
254	Analysis of Student Engagement by Academic Major	<b>Wayne Atchley</b> , Whit Weems, David Frazier and Mike Haynes, Tarleton State University, Stephenville, Texas
255	A Systems Approach to Fostering a Collaborative Experience for Teaching Research: A Case Study	Billy McKim and Ashley Yopp, Texas A&M University, and <b>Annie Specht</b> , The Ohio State University
274	Establishing a Professional Science Master's Program to Develop Future Biotechnology Workforce with Business Skills	<b>Samuel N. Nahashon</b> , Ahmad Aziz, Korsi Dumenyo and Chandra Reddy, Tennessee State University, Nashville, Tennessee



Tonight's dinner will feature a show by the talented singers, musicians, dancers and crew in **Georgia 4-H Clovers & Co.**

*Bold indicates presenter.*



wednesday  
1:30-3:15 P.M.

# Oral Presentation Session 1

## Group 1A: Online/Distance Education 1

ROOM Q • SESSION MODERATOR: SHANNON ARNOLD

TIME	NO.	PRESENTATION TITLE	AUTHORS
1:30 p.m.	269	GoFarm Hawaii: Developing an Online Curriculum to Train Beginning Farmers Statewide	<b>Charles Kinoshita</b> and Kellie Taguchi, University of Hawaii at Manoa
1:45 p.m.	5	Is Student-to-Student Interaction in Distance Education Classes on the Minds of Our Students? A Comparison of Undergraduates and Graduate Students	<b>Gary Moore</b> , Wendy Warner and David Jones, North Carolina State University, and Jane Bachelor, University of Florida
2 p.m.	70	Curating Student Ideas Through Pinterest Activities	<b>C.B. Jagger</b> , T.D. Ray, B.S. Scragg and M.S. Whittington, The Ohio State University
2:15 p.m.	93	The Impact of a Multi-Institution Case Study Course on Entomology Students' Argumentation Skills Related to Integrated Pest Management Decisions	<b>Catherine W. Shoulders</b> and Robert N. Wiedenmann, University of Arkansas, and John Obrycki, University of Kentucky
2:30 p.m.	212	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?	Marytza Abebe, Trisha Vickrey, Doug Golick and Marilyne Stains, University of Nebraska-Lincoln
2:45 p.m.	216	Using Jing™ to Improve Engagement in Online Courses	<b>Shannon Arnold</b> , Montana State University

## Group 1B: Experiential Learning 1

ROOM R • SESSION MODERATOR: RONALD B. PEGG

TIME	NO.	PRESENTATION TITLE	AUTHORS
1:30 p.m.	214	An Experiential Learning Approach in Food Science: Improving Students' Critical Thinking Skills	<b>Ronald B. Pegg</b> , University of Georgia, Athens, Georgia
1:45 p.m.	169	Perceptions of Internships in an Agricultural Associate Degree Program	Alyssa Degreenia, Kevin Curry and Wendy Warner, North Carolina State University
2 p.m.	175	Relationship Between Academic Engagement and Student Satisfaction	Donald M. Johnson, Donna L. Graham, Leslie D. Edgar, Catherine W. Shoulders and K. Jill Rucker, University of Arkansas
2:15 p.m.	178	Creating an On-Campus, Multidisciplinary, Experiential Learning Ecosystem for Student Interns to Solve Product Design and Business Problems for Companies	Daniel S. Tilley and Robert Taylor, Oklahoma State University
2:30 p.m.	224	Experiential Learning through Student Farming at Five Colleges and Universities	<b>Robert L. Williams</b> , Texas A&M University-Commerce, Texas
2:45 p.m.	238	Realized Student Learning Outcomes in an Experientially-based Management and Marketing Course	<b>Matthew Shultz</b> , Murray State University, Murray, Kentucky
3 p.m.	279	Effectiveness of an Experiential Agriculture Program with At-risk Hawaiian Teens	<b>Mary Martini</b> , Taryn Kurosawa and Kanayo Sakai, University of Hawaii at Manoa



**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.



*Bold indicates presenter.*

wednesday  
1:30-3:15 P.M.

# Oral Presentation Session 1

## Group 1C: Experiential Learning 2

ROOM K • SESSION MODERATOR: LAURA WHITE

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

## Group 1D: Improving Retention 1

ROOM L • SESSION MODERATOR: NICK FUHRMAN

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

*Bold indicates presenter.*



wednesday  
1:30-3:15 P.M.

# Oral Presentation Session 1

## Group 1E: Pedagogy 1

ROOM F/G • SESSION MODERATOR: MATT SPINDLER

TIME	NO.	PRESENTATION TITLE	AUTHORS
1:30 p.m.	43	Building Student Capacity for Collaborative Problem Solving	<b>Matt Spindler</b> , Curt Friedel and Natalie Cherbaka, Virginia Tech
1:45 p.m.	142	Recent Graduate and Undergraduate Enrollment Trends in American Soil Science Programs	Eric C. Brevik, Dickinson State University, Dickinson, North Dakota, <b>Sergio Abit</b> , 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&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
2 p.m.	66	Impacts of Course Delivery Methodology and Duration for a Hands-On Learning Based Approach to Livestock Handling	<b>Heather Jennings</b> , Christen Jackson, Anna Johnson, Jodi Sterle and Brady McNeil, Iowa State University
2:15 p.m.	69	Learning by Doing – Simulations, Games, Experiments and Exercises for Agricultural Economics	<b>Forrest Stegelin</b> , University of Georgia

TIME	NO.	PRESENTATION TITLE	AUTHORS
2:30 p.m.	87	Learning Styles of College Instructors Compared with Their Students	C.A. Allen and W.L. Hurley, University of Illinois
2:45 p.m.	264	Place-based Research as a Tool to Achieve Science Literacy into the Classroom	Daniela Dutra Elliott and Jay B. Bost, University of Hawaii, Leeward Community College



Break time!  
Stretch your legs and get some sun in the **Georgia Center's courtyard.**

*Bold indicates presenter.*



wednesday  
3:45-5 P.M.

# Oral Presentation Session 2

## Group 2A: Flipped Classroom

ROOM Q • SESSION MODERATOR: NATHAN W. CONNER

TIME	NO.	PRESENTATION TITLE	AUTHORS
3:45 p.m.	176	Student Perceptions of Flipping an Agricultural Teaching Methods Course	Nathan W. Conner, <b>Hailey Gates</b> , Stacy Tomas, Hannah Dugger, Billye Foster and Dennis Fennewald, Tennessee Technological University, Cookeville, Tennessee, and Christopher T. Stripling, University of Tennessee
4 p.m.	220	Flipping an Undergraduate Capstone Course: Student Perceptions of their Experience in a TBL Formatted Course	<b>Op McCubbins</b> , Thomas H. Paulsen and Ryan Anderson, Iowa State University
4:15 p.m.	230	Comparing Traditional and Flipped Approaches to Teaching in an Agriculture Course	<b>Christopher Campbell</b> , Maria Navarro, Rachel Wigington and Alexa DeAntonio, University of Georgia
4:30 p.m.	260	Impact of Learner-Centered Syllabus Design on Comprehension and Retention of Course Information	<b>Michelle Santiago</b> and Matthew Shultz, Murray State University, Murray, Kentucky
4:45 p.m.	185	Student-Centered Active Learning Environment with Upside-down Pedagogies: Student Performance and Course Evaluations in a Flipped Biology Classroom	<b>Kevin Curry Jr.</b> , Kimberly Pigford, Miriam Ferzli and Travis Park, North Carolina State University

## Group 2B: International Learning 1

ROOM R • SESSION MODERATOR: KIRBY BARRICK

TIME	NO.	PRESENTATION TITLE	AUTHORS
3:45 p.m.	13	Semiotic Analysis of Agriscience Educators and Agricultural Teacher Candidates' Perceptions of Global Competency Gains During an Immersion Experience	<b>Stacia Creed</b> , Daniel D. Foster and <b>Melanie Miller Foster</b> , The Pennsylvania State University, and Andrew Thoron and Kirby Barrick, University of Florida
4 p.m.	14	Global Learning in Agriculture: A Multilevel Collaboration for Internationalization of Curriculum.	Daniel D. Foster and <b>Melanie Miller Foster</b> , The Pennsylvania State University, and Kirby Barrick and Andrew Thoron, University of Florida
4:15 p.m.	16	Utilizing Inquiry Based Instruction to Cultivate Global 21st Century Skill Sets	<b>Melanie Miller Foster</b> and Daniel D. Foster, The Pennsylvania State University, and Nur Husna and Abd Wahid, Workforce Education Development, University Park, Pennsylvania
4:30 p.m.	45	Teaching International Extension through Undergraduate Service Learning	Paul Ebner and <b>Mark Russell</b> , Purdue University
4:45 p.m.	67	International Agricultural Concepts through the Eyes of School-Based Agriculture Students	<b>Nathan W. Conner</b> , Tennessee Technological University, Cookeville, Tennessee, and Christopher T. Stripling, University of Tennessee

*Bold indicates presenter.*



wednesday  
3:45-5 P.M.

# Oral Presentation Session 2

## Group 2C: Pedagogy 2

ROOM K • SESSION MODERATOR: MISTY LAMBERT

TIME	NO.	PRESENTATION TITLE	AUTHORS
3:45 p.m.	98	Be Our Guest: Put Our Students to the Test	Elissa McLerran and Erica Irlbeck, Texas Tech University, Lubbock, Texas
4 p.m.	89	Emergency Activity Handbook: An Innovative Resource for Creative Teaching	Misty D. Lambert and Jonathan J. Velez, Oregon State University
4:15 p.m.	99	Hosting an In-Class "Rural Café": Employing Agricultural Speed Dating to Build Ag Fluency	Frank Robinson, Martin Zuidhof, Dana Penrice and Scott Townend, University of Alberta
4:30 p.m.	100	The Value of a Prerequisite	Cheryl Wachenheim and Paul Fisk, North Dakota State University
4:45 p.m.	120	Teaching on My Mind: A Reflective Lesson Plan Template	<b>Gaea Hock</b> and Carley Calico, Mississippi State University

## Group 2D: Pedagogy 3

ROOM F/G • SESSION MODERATOR: DANIEL D. FOSTER

TIME	NO.	PRESENTATION TITLE	AUTHORS
3:45 p.m.	44	Recruitment and Marketing to Millennials for Academic Agricultural Programs	<b>Ricky Telg</b> , Andrea Davis and Carly N. Barnes, University of Florida
4 p.m.	199	Evaluation of Multiple Sections of a Single Animal Science Course for Consistency of Instruction Quality	<b>M.J. Anderson</b> , J.L. Leatherwood, S.F. Kelley, M.M. Beverly and K.J. Stutts, Sam Houston State University, Huntsville, Texas
4:15 p.m.	202	Epistemological and Pedagogical Beliefs of Award-winning Post-secondary Agriculture Faculty at Two Agricultural Universities	<b>Laura L. Rice</b> and Daniel D. Foster, The Pennsylvania State University
4:30 p.m.	227	Have Student Knowledge Levels Changed? A Decade of Pretest and Posttest Comparisons Across Agricultural Economics Courses in a Small State University Program of Agriculture	<b>C. Robert Stark Jr.</b> and P.B. Francis, University of Arkansas–Monticello
4:45 p.m.	231	Effectiveness of a Post-exam as a Learning Aid	<b>Lee G. Wood</b> , Southern Utah University, Cedar City, Utah

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presenter.*





wednesday  
3:45-5 P.M.

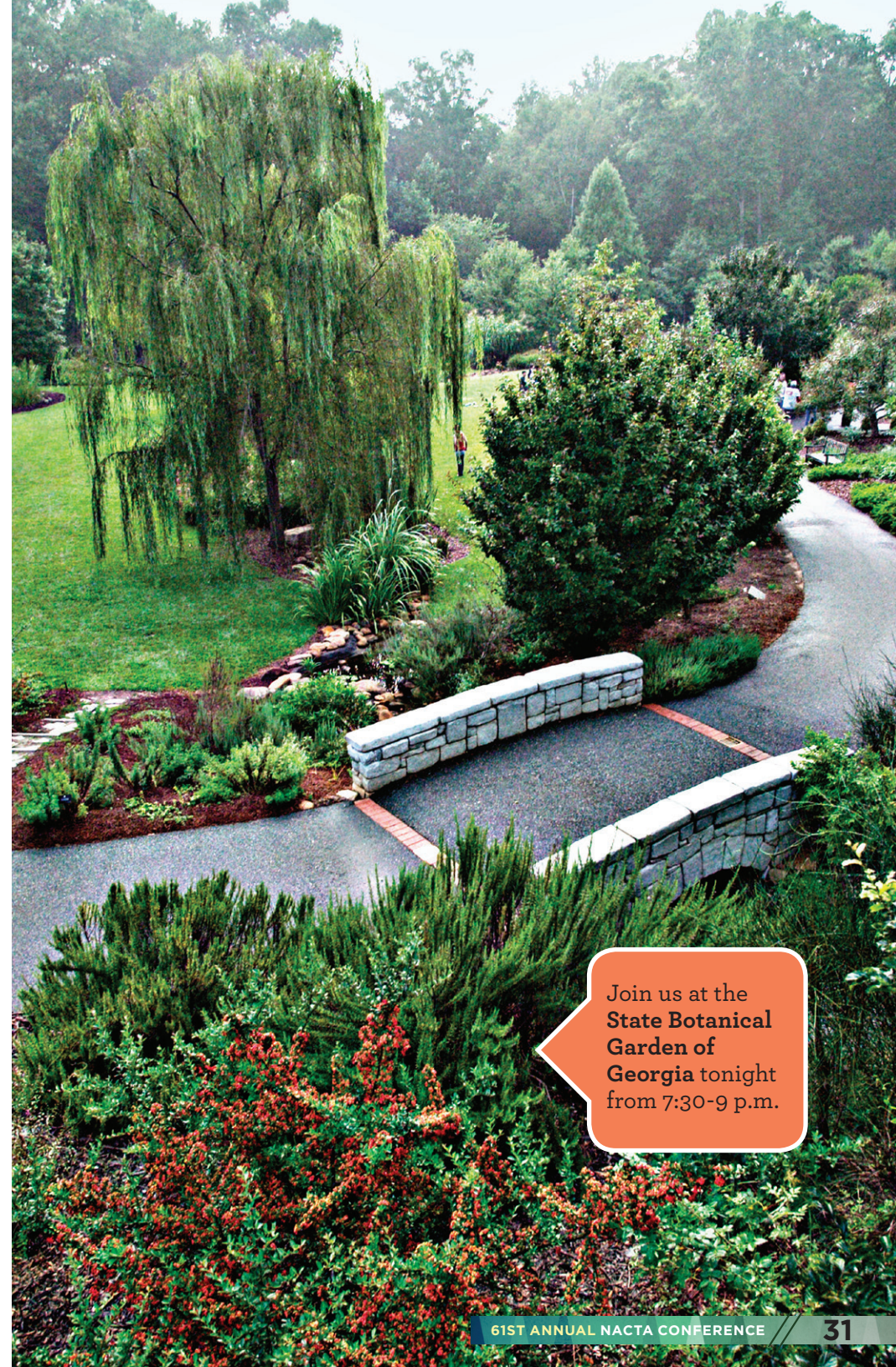
## Oral Presentation Session 2

### Group 2E: Technology

ROOM L • SESSION MODERATOR: LISA BURGOON

TIME	NO.	PRESENTATION TITLE	AUTHORS
3:45 p.m.	2	Using YouTube to Foster Asynchronous Interaction in an Online Introductory Nutrition Course	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
4 p.m.	205	Using Simple Technology to Engage Student Learning in Large Enrollment Courses	<b>Lisa Burgoon</b> , University of Illinois
4:15 p.m.	246	Using Aerial Drones to Increase Student Participation in an Agricultural Video Production Course	<b>Wayne Atchley</b> , David Frazier, Sandra Graham and Whit Weems, Tarleton State University, Stephenville, Texas
4:30 p.m.	253	Video Ethnography: An Approach to Collecting, Archiving, and Sharing Data and Results	Billy R. McKim and Ashley M. Yopp, Texas A&M University, and Annie R. Specht, The Ohio State University
4:45 p.m.	6	Creating High-Quality Videos for Educational Purposes	<b>Ricky W. Telg</b> , University of Florida, and Erica Irlbeck, Texas Tech University, Lubbock, Texas

*Bold indicates presenter.*



Join us at the  
**State Botanical  
Garden of  
Georgia** tonight  
from 7:30-9 p.m.

**thursday**  
9-10:15 A.M.

# Oral Presentation Session 3

## Group 3A: Pedagogy 4

ROOM Q • SESSION MODERATOR: NICK FUHRMAN

TIME	NO.	PRESENTATION TITLE	AUTHORS
9 a.m.	92	Live Animals in the College Classroom: The Difference an Animal Ambassador Makes in Enhancing Student Communication Skills	Nicholas E. Fuhrman, Eric D. Rubenstein and Milton G. Newberry III, University of Georgia
9:15 a.m.	147	Creating Active Learning Environments Which Evoke Change Through Development of Advocacy and Leadership Skills	<b>Don Mulvaney</b> , Auburn University, Auburn, Alabama
9:30 a.m.	173	Agricultural Media Writing Students' Self-Perceptions of their Writing Abilities	<b>Holli R. Leggette</b> , Katy Lane, Tobin Redwine and Theresa Pesi Murphrey, Texas A&M University
9:45 a.m.	194	How Faculty Engage in Scholarship of Teaching and Learning	Bryanna Kenno, Daniel D. Foster and John Ewing, The Pennsylvania State University
10 a.m.	225	Describing Students in a Team-Based Learning Context	<b>L.A. Wolfskill</b> , Bethany D. Whitten, Kyle W. Ferrell, Shyam S. Nair and Foy D. Mills Jr., Sam Houston State University, Huntsville, Texas



*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.*

## Group 3B: Service Learning 1

ROOM F/G • SESSION MODERATOR: NEIL KNOBLOCK

TIME	NO.	PRESENTATION TITLE	AUTHORS
9 a.m.	54	Engaging Secondary Students with Service-Learning through Special Programming in Agricultural Education	Jonathan Seaman, Laura Rice and <b>John C. Ewing</b> , The Pennsylvania State University
9:15 a.m.	101	Science Outreach Findings and Best Practices	Ayla Wilk, Matt Spindler and Hannah Scherer, Virginia Tech
9:30 a.m.	116	Case Study Analysis: An Innovative Pedagogical Strategy that Facilitates Student Learning through Engagement in "Real Life" Community Food Systems Work	<b>Susan Clark</b> , Vivica Kraak, Liza Dobson and Pete Ziegler, Virginia Tech, and Jenny Schwanke, YMCA at Virginia Tech
9:45 a.m.	149	Exploring Institutional Dimensions of PK-12 Engagement of Agriculture Faculty and Staff	Kaylie Scherer, Neil Knobloch and Alee Gunderson, Purdue University
10 a.m.	244	Encouraging Learning and Leadership Through Service Learning Projects	<b>Joy E. Morgan</b> and Elizabeth B. Wilson, North Carolina State University



Don your boots and take a trip to the student-oriented **UGarden** on today's Plant Tour (page 8).

*Bold indicates presenter.*



**thursday**  
9-10:15 A.M.

# Oral Presentation Session 3

## Group 3C: Program Development

ROOM R • SESSION MODERATOR: ANNIE SPECHT

TIME	NO.	PRESENTATION TITLE	AUTHORS
9 a.m.	7	Evaluation of an Agriculture and Food Studies Certificate Program: Lessons Learned and Strategies for Improvement	<b>Robert N. King</b> , Monroe Community College, Rochester, New York
9:15 a.m.	23	John Muir: Lessons in Sustainability	<b>Thomas J. Dormody</b> , New Mexico State University
9:30 a.m.	102	Graduate Extension Scholars Program: Strengthening Cooperative Linkages Between Land-Grant Universities, School-based Agricultural Education, and 4-H Youth Development	<b>Hannah Scherer</b> , Ayla A. Wilk and Matthew Spindler, Virginia Tech
9:45 a.m.	198	SAFE: A Program Development Initiative to Address Sustainable Agriculture and Food Environment Opportunities	<b>Kyle W. Ferrell</b> , Timothy R. Pannkuk, Mark J. Anderson and Stanley F. Kelley, Sam Houston State University, Huntsville, Texas
10 a.m.	249	Making Agriculture Relevant: Categorizing Texas Consumers' Food-Related Knowledge, Attitudes, and Behavior	Billy McKim, <b>Annie R. Specht</b> , Tegan Walker, David Walther, Megan Homeyer and Mark Guerrero, Texas A&M University

## Group 3D: Curriculum Development

ROOM K • SESSION MODERATOR: KAREN J. CANNON

TIME	NO.	PRESENTATION TITLE	AUTHORS
9 a.m.	28	Evaluation of Professional Development Resources for Swine Science Distance Education Instructors	<b>Rebecca Weirs</b> and Greg Miller, Iowa State University
9:15 a.m.	88	Undergraduate Research Methods Curriculum: An Examination of Student Anxiety and Confidence Towards Research	<b>Martie Gillen</b> , University of Florida
9:30 a.m.	133	Translating Classroom Learning to the Real World: An Assessment of Agricultural Communications Capstone Students' Career Readiness as Part of Curricular Renovation Efforts	<b>Karen J. Cannon</b> , University of Nebraska-Lincoln, and Annie R. Specht, The Ohio State University
9:45 a.m.	222	New Program Development On My Mind: Creating an Agricultural Science Program from Scratch	<b>Chris Morgan</b> , Athens Technical College, Athens, Georgia
10 a.m.	276	Bringing it All Together: Examining the Role of Capstone Courses in Cross-Disciplinary Academic Programs	<b>Glenn Sterner III</b> , Susannah Barsom, Theodore Alter, Elyzabeth Engle and Taylor Griffon, The Pennsylvania State University

*Bold indicates presenter.*



**thursday**  
9-10:15 A.M.

## Oral Presentation Session 3

### Group 3E: Recruitment

**ROOM L** • SESSION MODERATOR: DAVID JONES

TIME	NO.	PRESENTATION TITLE	AUTHORS
9 a.m.	4	A Modern Philosophy of Immersion for Teacher Preparation	<b>M.S. Whittington</b> , C.M. Filson, C.B. Jagger and T.D. Ray, The Ohio State University
9:15 a.m.	71	Student Motivations to Attend Summer Bridge Programs and Impact on Student Intended Major Choice	<b>Courtney Vengrin</b> , <b>Matthew Schroder</b> , Donna Westfall-Rudd and Susan Sumner, Virginia Tech
9:30 a.m.	132	Does the Quantity of Agricultural Mechanics Training Received At The Secondary Level Impact Teacher Perceived Importance of Agricultural Mechanics Skills?	John Rasty, Ryan Anderson and Thomas H. Paulsen, Iowa State University
9:45 a.m.	179	Common Core Kids Go to College	<b>Jennifer Jones</b> , Hello Literacy, Inc., and David Jones, North Carolina State University
10 a.m.	241	Is a Traditional Drawing Exercise for Plant and Seed Identification Still Effective for Millennial Students?	Marshall Hay and Kevin Donnelly, Kansas State University

**thursday**  
10:45 A.M.-NOON

## Oral Presentation Session 4

### Group 4A: International Learning 2

**ROOM Q** • SESSION MODERATOR: TOBIN REDWINE

TIME	NO.	PRESENTATION TITLE	AUTHORS
10:45 a.m.	91	Bridging the Gap for On-campus and Distance Students with Innovative Graduate Student Association Activities	Nicholas E. Fuhrman, Christopher D. Campbell, Emilia Dover, Emily Urban and Ariel Waldeck, University of Georgia
11 a.m.	97	Perceptions of School Based Agricultural Education Teachers Attitudes and Beliefs toward Globalizing the Agricultural Curriculum	Nathan W. Conner and <b>Katelyn Butcher</b> , Tennessee Technological University, Cookeville, Tennessee
11:15 a.m.	118	Short-Term Study Abroad Programs: What is on Undergraduates' Minds?	<b>Amber Lynn Willis</b> , Wendy J. Warner, Barbara M. Kirby and David W. Jones, North Carolina State University
11:30 a.m.	159	Distinct Viewpoints of Change as a Result of Study Abroad	<b>Tobin Redwine</b> , Tracy Rutherford and Gary Wingenbach, Texas A&M University
11:45 a.m.	203	Cross Pollination of Undergraduate Instruction to Promote Global Learning	<b>Melanie Miller Foster</b> , Paige Castellanos and Daniel D. Foster, The Pennsylvania State University

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indicates  
presenter.*



**thursday**  
10:45 A.M.-NOON

# Oral Presentation Session 4

## Group 4B: Service Learning 2

**ROOM R** • SESSION MODERATOR: MARIANNE SHOCKLEY

TIME	NO.	PRESENTATION TITLE	AUTHORS
10:45 a.m.	105	Supporting Faculty and Staff Engagement with PK-12 Audiences through a Workshop Series	Kaylie Scherer and Neil Knobloch, Purdue University
11 a.m.	215	The Campus Kitchens Project: Unique Opportunities for Colleges of Agriculture to Engage Students in Meaningful Community Outreach Efforts to Fight Hunger	<b>Tammy Stephenson</b> , Amanda Hege and Sandra Bastin, University of Kentucky
11:15 a.m.	257	Linking Leadership Development to Successful Community Engagement in the Tropics	Lori Unruh Snyder, North Carolina State University, and Kim Lutz, Purdue University
11:30 a.m.	277	Service-Learning to Promote Edible Insects	<b>Marianne Shockley</b> , University of Georgia
11:45 a.m.	272	Graduating Seniors' Perception of College and Departmental Services	Murari Suvedi and Ramjee Ghimire, Michigan State University

## Group 4C: Effective Teaching and Mentoring

**ROOM K** • SESSION MODERATOR: WENDY WARNER

TIME	NO.	PRESENTATION TITLE	AUTHORS
10:45 a.m.	56	Teaching Factors on Their Mind... Influencers of Student Ratings and Participation in the Faculty Course Evaluation Process	Jane L. Bachelor, University of Florida
11 a.m.	57	Amazing Orientation	<b>Kathleen S. Jogan</b> and Kelly Vowell Johnson, University of Arkansas
11:15 a.m.	78	Mentorship and Servant Leadership: Perceptions of First-semester Students	<b>Shannon Norris</b> , Shelly Sitton and Marshall Baker, Oklahoma State University
11:30 a.m.	211	Developing Robust Mentoring Relationships in a College of Agricultural Sciences Leadership Development Program	Kellie A. Strawn, Aaron J. McKim, Jonathan J. Velez and <b>Misty D. Lambert</b> , Oregon State University
11:45 a.m.	213	Effective Teaching on My Mind: How Do Peer Evaluations Contribute to the Assessment of Faculty Teaching?	<b>Wendy J. Warner</b> , Joy E. Morgan, Travis D. Park, Daniel H. Poole and Charlotte E. Farin, North Carolina State University

*Bold indicates presenter.*



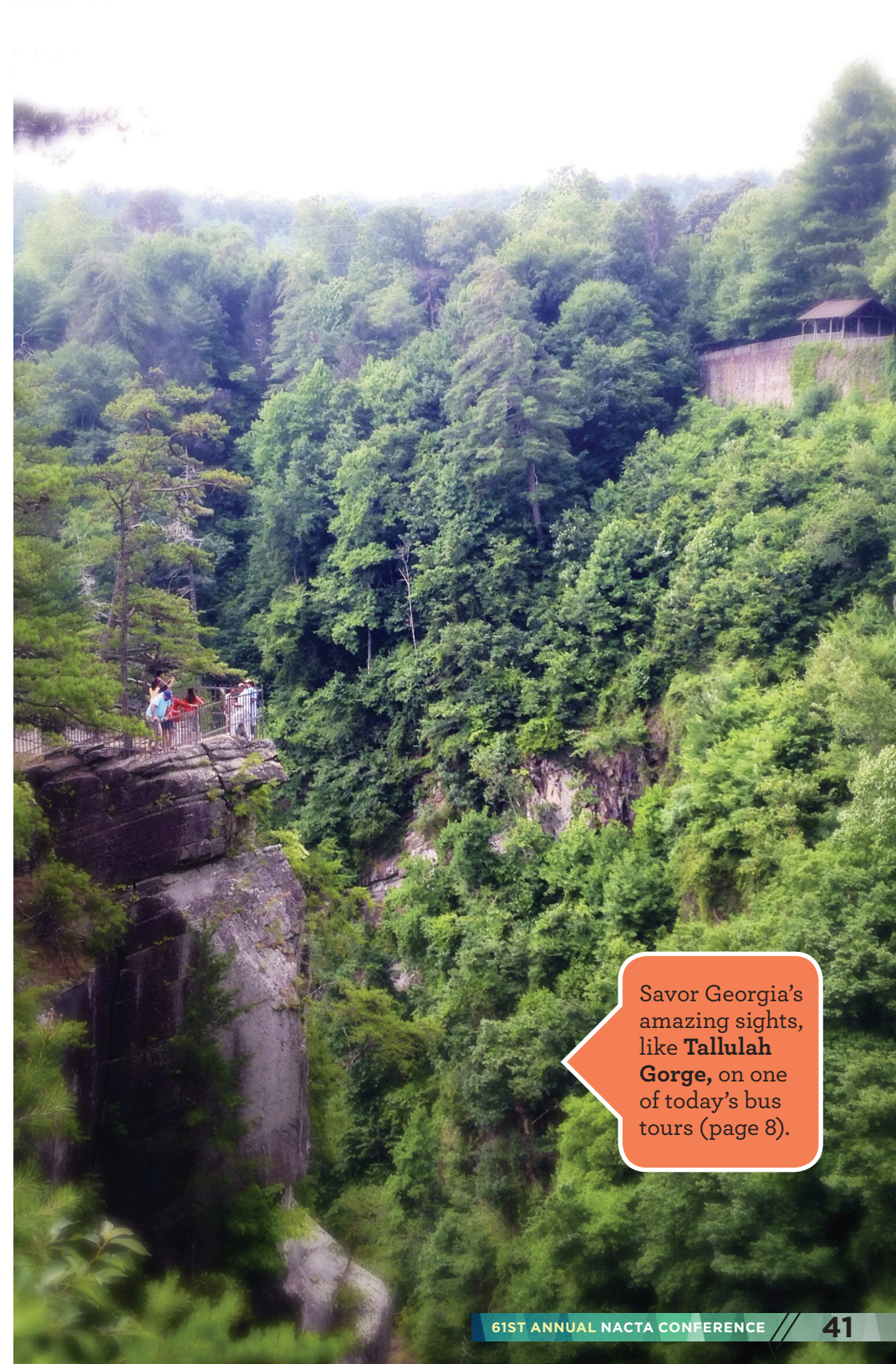
**thursday**  
10:45 A.M.-NOON

# Oral Presentation Session 4

## Group 4D: Effective Learning

ROOM L • SESSION MODERATOR: KIM NIEWOLNY

TIME	NO.	PRESENTATION TITLE	AUTHORS
10:45 a.m.	59	The Effect of High-Impact Practices on Students' Learning Style: A Quasi-Experiment	<b>Kasee L. Smith</b> and Billy R. McKim, Texas A&M University
11 a.m.	83	Using Media Clips to Enhance Teaching Methods and Student Learning	<b>Martie Gillen</b> , University of Florida
11:15 a.m.	115	Development of a Lean Hog Futures Trading Game to Enhance Student Engagement and Learning	<b>B.D. Whitaker</b> and G.W. Arburn, University of Findlay, Findlay, Ohio
11:30 a.m.	221	Integrating Team-Based Learning in an Undergraduate Capstone Course: Advice from Larry Michaelsen	<b>Op McCubbins</b> , Thomas H. Paulsen and Ryan Anderson, The Ohio State University
11:45 a.m.	261	Learning through Story: Using Narrative Inquiry in Graduate-Level Food Security Course	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, Elli Travis and Lily Yang, Virginia Tech



Savor Georgia's amazing sights, like **Tallulah Gorge**, on one of today's bus tours (page 8).

**friday**  
9:30-10:45 A.M.

# F1 Posters

NO.	POSTER TITLE	AUTHORS
15	International Student Organization: Excellent Partners for Global Learning in Agriculture	<b>Melanie Miller Foster</b> , Daniel D. Foster and Nur Husna Abd Wahid, The Pennsylvania State University
21	Stimulating Interest in Plant Sciences to Intermediate and High School Students of Windward Oahu	Ingelia White and <b>Michael Denis</b> , Windward Community College, Kaneohe, Hawaii
22	Examining E-Extension: Diffusion, Disruption, and Rate of Adoption Among Iowa State University Extension and Outreach Professionals	Cayla Taylor and <b>Greg Miller</b> , Iowa State University
25	An E-learning Feasibility Study: Perceptions of Undergraduate Agricultural Students	Reza Movahedi and <b>Marjan Sepahpanah</b> , Bu-Ali Sina University, Hamadan, Iran
33	Advancing Your Scholarly Teaching into the Scholarship of Teaching and Learning (SoTL)	<b>Ann Marie VanDerZanden</b> , Cynthia Haynes and Sara Marcketti, Iowa State University
48	From Exposure to Challenging Urban Youth with STEM in Agriculture through the Purdue Agribusiness Science Academy (PASA) Summer Institute	Pamala Morris and Myron McClure, Purdue University
49	Changes in Student Perception of Food Animal Agriculture Following Discussion of Controversial Topics	Daniel H. Poole, Sarah E. Lyons and Jeannette A. Moore, North Carolina State University
52	Implementation and Assessment of Cross-curricular, Case-based Food Safety Educational Materials for the Secondary Education Community	<b>Adrienne E.H. Shearer</b> , O. Sue Snider and Kali E. Kniel, University of Delaware
63	Self-Perceived Leadership Competencies among Agricultural Sales Students	<b>Sarah Wright</b> and K. Jill Rucker, University of Arkansas
72	Development and Evaluation of the Transdisciplinary Obesity Prevention Research Sciences Program	<b>Barbara Fiese</b> , <b>Jill Bowers</b> , Dorothy Teagarden, Amber Hammons, Lizanne Destefano, Gabriella Garcia and Brenda Koester, University of Illinois
86	An Undergraduate Research Experience: Using Technology to Monitor Japanese Beetles, Related to Climate Change, Across New York State	<b>Nikki Shrimpton</b> , Linda Jones, Sadie Ross and Jeremy Stone, State University of New York, Empire State College

NO.	POSTER TITLE	AUTHORS
95	Does Global Mindedness Vary by Academic Major with Agricultural Disciplines?	Melissa Hendrickson, Elizabeth Wilson, Koralalage Jayaratne and Wendy Warner, North Carolina State University
111	Desired Leadership Competencies among Agricultural Sales Professionals: A Delphi Study	<b>Sarah Wright</b> and K. Jill Rucker, University of Arkansas
112	Development of a Distance Education Program by a Land-grant University Augments the 2-year to 4-year STEM Pipeline and Increases Diversity in STEM	Jennifer C. Drew and Eric W. Triplett, University of Florida
119	Short-Term Study Abroad: What Concerns do Undergraduates have about International Travel?	<b>Amber Lynn Willis</b> , Wendy J. Warner, Barbara M. Kirby and David W. Jones, North Carolina State University
126	A First Year Research Experience in the Large Undergraduate Classroom	<b>Krista Wilde</b> and Fran Walley, University of Saskatchewan, Canada
131	Using Cases in an Online Sustainable Agriculture Course	<b>Lurline Marsh</b> , University of Maryland Eastern Shore, Princess Anne, Maryland
141	To What Extent are Hispanic Students Underrepresented in Texas Colleges of Agriculture?	<b>Christopher M. Estepp</b> , Sul Ross State University, Alpine, Texas, and Christopher T. Stripling, University of Tennessee
143	Challenges and Opportunities for Underrepresented Agriculture Students in obtaining USDA Job Training in the STEP UP to USDA Career Success Program	Randy L. Stanko, Shad D. Nelson, Tanner J. Machado, Greta L. Schuster and Consuelo Donato-Molina, Texas A&M University-Kingsville
144	Examining Rapport, Student Satisfaction, and Learning Gains in an Undergraduate Research Experience	<b>Christopher M. Estepp</b> , Sul Ross State University, Alpine, Texas
150	Tours for Empowering Future Professionals	Jessica Holt and Emily Cabrera, University of Georgia, and Joy Rumble, University of Florida



**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.

*Bold indicates presenter.*



**friday**  
9:30-10:45 A.M.

# F1 Posters

NO.	POSTER TITLE	AUTHORS
156	Needs and Expectations of Stakeholders for an Agricultural Academic Department Website	<b>Tobin Redwine</b> and Tracy Rutherford, Texas A&M University
164	Influential Recruitment Factors for a Midwestern College of Agricultural Sciences.	<b>Gary Apgar</b> and Mickey Latour, Southern Illinois University, Carbondale, Illinois
187	iTeach: Building an Inter-University Veterinary Pathology Community of Learning	Kelly Soltysiak and Heather Simmons, Texas AgriLife Research, Valerie York and Derek Mosier, Kansas State University, and Jesse Hostetter, Iowa State University
196	Orienting the First Year Student: Mapping the Future	Robert D. Shannon and Tammy Bennett, The Pennsylvania State University
226	Perceptions of Undergraduate Students Regarding Global Hunger	David Jordan, Bob Patterson, Gary Moore, Wendy Warner and <b>Carla Cave</b> , North Carolina State University
240	Utilizing Social Media and Technology in the Classroom: Innovative or Irritating?	<b>Courtney Vengrin, Tanya Halliday</b> and Donna Westfall-Rudd, Virginia Tech
248	The Odyssey of Creating a New Study Abroad Program	<b>Colleen Kelly</b> , North Carolina State University
250	Bridges of Madison County: Motivations and Barriers of Appalachian Students to Pursue Higher Education	<b>Joy E. Morgan</b> , Travis D. Park and Meghan M. Wood, North Carolina State University
256	Analyzing Agricultural Leadership Programs across the United States: Trends in Majors, Minors, Options, Graduate Programs, Certifications and Courses	<b>Jackson Alexander</b> , K. Jill Rucker and Donna Graham, University of Arkansas
262	100,000 Strong in the Americas— Private-Public Partnerships Engagement for Study Abroad in Costa Rica	Lori Unruh Snyder and Amber Willis, North Carolina State University
266	Undergraduate Research Best Practice: Understanding Success Through Contextualization	Jonathan M. Seymour, University of Georgia

NO.	POSTER TITLE	AUTHORS
271	Optimizing Recruitment Strategies for Food Safety Careers Using the Social Cognitive Career Theory	Kristen Saniga and Clint Stevenson, North Carolina State University
273	Impact of Major Program Events on Instructor Self Perception	<b>Andrew Bolton</b> and Don Edgar, University of Arkansas
280	Strengthening Families through Sustainable Agriculture	Mary Martini, Kanayo Sakai and Taryn Kurosawa, University of Hawaii at Manoa

**friday**  
10:45 A.M.-NOON

# F2 Posters

NO.	POSTER TITLE	AUTHORS
9	Listicles: A different platform for the "term paper"	<b>Anna C. Dilger</b> , University of Illinois
11	Assessing Agricultural Student Understanding of Entrepreneurship Skills: Implications on How to Teach Entrepreneurship	Morgan Miles and <b>Joey Mehlhorn</b> , University of Tennessee at Martin, and Laurie Bonney and Niyan Fraser, University of Tasmania, Australia
12	Integrating Solar Photovoltaic Technology into Agriculture Education: Benefits & Challenges	<b>Edward A. Franklin</b> , University of Arizona
17	Global Teach Ag! Initiative: A Framework for Discipline-specific Global Competency Development	Daniel D. Foster and <b>Melanie Miller Foster</b> , The Pennsylvania State University
18	Native Plant: What Does it Mean and Why Does it Matter?	<b>Ann Marie VanDerZanden</b> and Christopher J. Currey, Iowa State University, and Chad T. Miller, Kansas State University

*Bold indicates presenter.*





**friday**  
10:45 A.M.-NOON

# F2 Posters

NO.	POSTER TITLE	AUTHORS
27	Why are Students Choosing to Dropout from College of Agriculture at Razi University?	Kiumars Zarafshani, Akram Binaian, Afsaneh Malekhosseini, Lida Sharafi, Marzieh Norouzi and Hossein Heydari, Razi University, Kermanshah, Iran
29	Developing Well Rounded Agriculture Students: The Importance of Teaching U.S. Agricultural History	James Butler, Danny Walker, Jason Roberts and Joey Mehlhorn, University of Tennessee at Martin
30	Successful Development of Niche Programs in Agriculture: Administrative and Industry Issues	Danny Walker, Jason Roberts, Emalee Buttrey and Joey Mehlhorn, University of Tennessee at Martin
34	First Year Experience for Veterinary Science Students: Starting in the Right Direction	Jason Roberts, <b>Danny Walker</b> , Emalee Buttrey and Joey Mehlhorn, University of Tennessee at Martin
37	Using a Pen Pal Program to Assess Student Learning in Science and Communications	<b>Samantha Green</b> , Michael S. Retallick and Cynthia Haynes, Iowa State University
51	Utilizing Videos to Enhance Student Understanding of Soil Science Calculations	<b>Sergio M. Abit Jr.</b> , James Jade Lasquites and Patrick Curl, Oklahoma State University
61	The Impact of a Manuscript Critique Program on Horticulture Students' Knowledge and Perceptions toward Scientific Writing	<b>Catherine W. Shoulders</b> and Michael R. Evans, University of Arkansas
74	Motivating Factors for Student Choice of Major: A Longitudinal Study	Christina M. Leard, Thomas R. Dobbins and Kendall Kirk, Clemson University, Clemson, South Carolina
85	Fitness Conditioning Opportunity Improves Classroom Knowledge and Encourages Personal Fitness	<b>Kari K. Turner</b> , University of Georgia
96	Strategies for Teaching Weed Identification	<b>Patrick J. Tranel</b> , University of Illinois
108	Integrating Native Perennial Plant Concepts into Plant Propagation Curricula	<b>Chad T. Miller</b> , Kansas State University, and Christopher J. Currey and Anne Marie VanDerZanden, Iowa State University

NO.	POSTER TITLE	AUTHORS
129	Change of Plans: A Twisted Approach to the Traditional Microteaching Model	<b>Carley Calico</b> and Gaea Hock, Mississippi State University
135	Millennial Alumni Perceptions of Communications Media Used by the Dale Bumpers College of Agricultural, Food and Life Sciences	Amanda Northfell, Leslie D. Edgar, Donna L. Graham and K. Jill Rucker, University of Arkansas at Monticello
145	Understanding What is Important to New Students: Goal Setting in an Animal Science Freshmen Orientation Course	<b>S.L. Schaake</b> , T.L. Douthit, A.K. Sexten and M.R. Hay McCamant, Kansas State University
151	Creative and Innovative Nutrition Lesson Plans: Backward Design, Instructional Strategies, and Florida Standards	<b>Natalie M.K. Ridgewell</b> , Karla P. Shelnett and Gail Kauwell, University of Florida
153	The Cooperating Teacher Component: Exploring Effectiveness	<b>Josh Stewart and Misty D. Lambert</b> , Oregon State University, Jonathan J. Ulmer and Candis Carraway, Texas Tech University, Lubbock, Texas, and Phillip A. Witt, Nevada Regional Technical Center, Nevada, Missouri
161	Exam Score Determinants in an Undergraduate Agricultural Economics Course	Justin Anderson, Louis Dreyfus Corporation, and <b>Daniel S. Tilley</b> , Barry Pollard and R. Joe Schatzer, Oklahoma State University
184	Joint Ventures in Agriculture: A Novel Approach to an Agricultural Policy Course	<b>Kevin Curry Jr.</b> , Alyssa Degreenia and Elizabeth Wilson, North Carolina State University
195	Relationship between Trainability and Herd Aggression of Horses Utilized in an Undergraduate Equine Behavior Course	J.L. Leatherwood, M.J. Anderson, K.R. Jones, K.J. Stutts, M.M. Beverly and S.F. Kelley, Sam Houston State University, Huntsville, Texas
201	Performance of Incoming Freshman Students with Different Ethnicities and Genders	<b>M.J. Anderson</b> , S.F. Kelley, K.J. Stutts, M.M. Beverly and J.L. Leatherwood, Sam Houston State University, Huntsville, Texas

*Bold indicates presenter.*



**friday**  
10:45 A.M.-NOON

# Posters

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



*Bold indicates presenter.*

**friday**  
1:30-2:30 P.M.

# Oral Presentation Session 5

## Group 5A: Critical Thinking

**ROOM Q** • SESSION MODERATOR: ABIGAIL BORRON

TIME	NO.	PRESENTATION TITLE	AUTHORS
1:30 p.m.	110	Utilizing Competing Narratives to Increase Critical Thinking Abilities	<b>Kyle A. Gavin</b> and Dustin K. Perry, Montana State University
1:45 p.m.	117	Enriching Student Engagement Through Critical Reflexive Analysis	Abigail Borron, University of Georgia, and Amanda Gee, Purdue University
2 p.m.	170	Integrating Polarized Perspectives to Challenge Graduate Student Opinions	<b>Kyle W. Ferrell</b> , Marcy M. Beverly, Stanley F. Kelley and Cody Wellmann, Sam Houston State University, Huntsville, Texas
2:15 p.m.	228	Comparing Senior Agriculture and Non-Agricultural Student Valuation of Communication and Critical Thinking Experiences	Donna L. Graham, Donald M. Johnson, Leslie D. Edgar, Catherine W. Shoulders and K. Jill Rucker, University of Arkansas



*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.*



*Bold indicates presenter.*

**friday**  
1:30-2:30 P.M.

## Oral Presentation Session 5

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

ROOM R • SESSION MODERATOR: TOM HAMMETT

TIME	NO.	PRESENTATION TITLE	AUTHORS
1:30 p.m.	3	Factors Motivating Students to Respond to Online Course Evaluations in the College of Agricultural and Life Sciences at the University of Florida	Seth Heiner and <b>T. Grady Roberts</b> , University of Florida
1:45 p.m.	64	Social Media Activity of Agriculture Extension Graduate Students in India	Kalyan Ghadei, Banaras Hindu University, India, and <b>Tom Hammett</b> and Rick Rudd, Virginia Tech
2 p.m.	80	Remotely-Guided Study Abroad	<b>Roger Brown</b> , University of Kentucky, and Alex Thor, Explorations by Thor, Lexington, Kentucky
2:15 p.m.	50	Do Students Value Learning? Examining Affective Learning Indicators	<b>Kathleen Jogan</b> and Kelly Vowell Johnson, University of Arkansas

### Group 5C: Improving Retention 2

ROOM K • SESSION MODERATOR: SHELLY SITTON

TIME	NO.	PRESENTATION TITLE	AUTHORS
1:30 p.m.	166	WHO FILLS THE SEAT: The Demographics, Perceptions, and Knowledge Base of Students Enrolled in the Introduction to Animal Science Course at Oklahoma State University	<b>Samantha Lowman</b> , Ashtin Bechtold, Michelle Calvo-Lorenzo, Traci Naile and Dan Stein, Oklahoma State University
1:45 p.m.	219	Examining the African-American Perception of Agriculture: Views of Students Attending an 1862 Land-Grant Institution	<b>Courtney P. Jordan</b> , Langston Univeristy, Langston, Oklahoma, and Nicholas R. Brown, Shelly Sitton, M. Craig Edwards and Angel Riggs, Oklahoma State University
2 p.m.	243	Factors Associated with Pursing Nutrition Careers and Increased Knowledge in Diverse Students	Archana J. McEligot, Laura Chandler and Lyanna Pillazar, California State University–Fullerton, and <b>Francene Steinberg</b> and Luica Kaiser, Univeristy of California–Davis
2:15 p.m.	191	Factors Affecting the Success in College of Latino International Students	<b>Hugo Moran Chavez</b> and Maria Navarro, University of Georgia

*Bold indicates presenter.*



**friday**  
1:30-2:30 P.M.

## Oral Presentation Session 5

### Group 5D: Pedagogy 5

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

TIME	NO.	PRESENTATION TITLE	AUTHORS
1:30 p.m.	124	Cognitive Learning: Hands-On vs. Theoretical	<b>Michael Watson</b> , Dwayne Pavelock, Doug Ullrich, Robert Maninger and Joe Muller, Sam Houston State University, Huntsville, Texas
1:45 p.m.	152	Learning Gains and Teaching Strategies for a 21st Century Education in Animal Sciences: Result of a National Survey	M.A. Wattiaux, <b>S.D. Ranathunga</b> and P. Crump, University of Wisconsin-Madison
2 p.m.	167	Student Delivery and Discovery Skills and Performance in Animal Science Courses	Amin Ahmadzadeh, <b>Jeremy Falk</b> , Douglas Masser and Matt Doumit, University of Idaho
2:15 p.m.	172	Cognitive Tasks Required in Undergraduate Courses: A Comparison of Agriculture and Non-Agriculture Students	Donald M. Johnson, Leslie D. Edgar, Catherine W. Shoulders, Donna L. Graham and K. Jill Rucker, University of Arkansas

### Group 5E: Application

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

TIME	NO.	PRESENTATION TITLE	AUTHORS
1:30 p.m.	10	Promoting Novel-Shaped Agricultural Products: An Application of the Mental Models Approach in Developing Message Design Skills	<b>Lulu Rodriguez</b> and Sela Sar, University of Illinois, and Suman Lee, Iowa State University
1:45 p.m.	31	Utilizing a Hydroponic Food Production Course to Increase Student Awareness and Understanding of Food Security	<b>Christopher J. Currey</b> and Ann Marie VanDerZanden, Iowa State University
2 p.m.	40	Objectives-driven Soil Science Refresher Course	<b>Sergio Abit</b> , Oklahoma State University
2:15 p.m.	84	An Examination of Agritourism in Action: Teachers' Perspectives of an On-farm Experience	<b>Caroline B. Lewallen</b> , Jaemor Farms, Alto, Georgia, and Theresa Pesl Murphrey and Holli R. Leggette, Texas A&M University

*Bold indicates presenter.*



# Workshops

## WORKSHOP 1: ROOM Q

### Internationalizing Colleges and Universities

Sponsor: NACTA International Committee  
Moderated by: Kelly A. Newlon, The Ohio State University

#### 3-3:30 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

#### 3-3:15 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.

#### 4:10 P.M.

Group Activity 2: Groups will compose and prioritize a set of questions they need answered before they consider “flipping their classroom” using TBL. Groups will post responses on self-stick easel pad sheets for display. Groups will use a multi-voting technique to choose what they believe are the most important questions to address.

#### 4:40 P.M.

Summary and takeaway: Facilitators will discuss their experiences with transitioning to TBL. The facilitators will point participants to current research and best practices on the topic.

## 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

#### 3-3:20 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

#### 3:20-3:40 P.M.

Measuring and reporting the impact of teaching at the University of Florida, Dr. Elaine Turner, dean

#### 3:40-4 P.M.

Measuring and reporting the impact of teaching at The Ohio State University, Dr. Jeff Hattey, assistant dean

#### 4-4:20 P.M.

Measuring and reporting the impact of teaching at The Pennsylvania State University, Dr. Tracey Hoover, associate dean

#### 4:20-5 P.M.

Discussion and wrap-up

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University of Hawaii - Honolulu



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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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**David Berle**

DEPARTMENT OF HORTICULTURE

**Jean Bertrand, committee chair**

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**Niki Coody**

OFFICE OF EXTERNAL RELATIONS

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**Kari Turner**

DEPARTMENT OF ANIMAL  
AND DAIRY SCIENCE

*Thanks to Kathryn Schiliro 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

6.20 **sat.**

8 A.M. to NOON

**NACTA Executive  
Committee  
Breakfast and  
Meeting**

OAK ROOM

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 to 7:30 P.M.

**Dinner and  
Entertainment**

MAHLER AUDITORIUM

7:30 to 9 P.M.

**Evening at the  
Garden**

STATE BOTANICAL  
GARDEN OF GEORGIA

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*.