58th Annual
NACTA Conference
Celebrating and Sustaining Agriculture
June 26-29, 2012

UNIVERSITY OF WISCONSIN
River Falls

NACTA
north american colleges and teachers of agriculture
connect | develop | achieve
Greetings to the participants of the 2012 NACTA Conference! On behalf of the faculty, staff, and students in the College of Agriculture, Food and Environmental Sciences at the University of Wisconsin - River Falls, welcome to our campus. Along with the rest of you, we look forward to the excellent oral and poster presentations, special sessions, and social gatherings that have been arranged. The Conference Steering Committee has planned some interesting tours of the area to compliment the agenda. We hope that many of you will have some extra time to see additional sights and take in what our campus, city, and region have to offer. All in all, we believe each of you will have an inspiring and enjoyable time here in River Falls.

Again, welcome!

Dale Gallenberg,
Dean College of Agriculture, Food and Environmental Sciences
University of Wisconsin - River Falls

Join the CAFES Centennial Celebration!
Students... Teaching... Purpose... (1912-2012)

We would like to thank the following sponsors:

USDA United States Department of Agriculture
National Institute of Food and Agriculture

Brickhouse Music
Ellsworth Cooperative Creamery
Kwik Trip/ Kwik Star
Ocean Spray Cranberries
Saratoga Cranberry Company
Seneca Foods
Target Field

Posters - Need to be in place at the start of each scheduled session and taken down at the end of the session. Clips for hanging posters will be provided.

Oral Presentations - Please save presentation files to the desktop of your assigned presentation room at least 30 minutes before the scheduled start of the session.
Tuesday, June 26
12:00 pm - 7:00 pm  Conference Registration  
University Center - Falls Room
3:00 pm - 5:30 pm  South Fork Suites Check-in  
South Fork Suites - Main Entrance
2:00 pm - 5:00 pm  NACTA Executive Meeting  
University Center - Willow River Room
2:00 pm - 5:00 pm  DOCE Meeting  
University Center - Kinni Theater
6:00 pm - 8:00 pm  Welcome Reception  
Agricultural Science Building - Room 200  
Tour de CAFES Passport Stops with Refreshments

Wednesday, June 27
7:00 am - 2:00 pm  Conference Registration  
University Center - Falls Room
8:00 am - 9:30 am  Blue Ribbon Address  
University Center - Riverview Ballroom

Dr. Bonnie Walters, UWRF - “Why? Who Cares?”
What happens when a student interrupts your class with such a simple question as “Why?” or “Who cares?” Are these questions relevant and important? What can you do? Dr. Bonnie Walters was presented with the NACTA Teaching Award of Excellence at the 2011 NACTA meeting. Bonnie received her B.S. in Chemistry from the University of Wisconsin-River Falls, an M.S. in Chemistry from the University of Iowa, and her Ph.D. in Poultry Science and Food Chemistry from the University of Wisconsin-Madison. She has taught at the University of Wisconsin-River Falls for 20 years in the Animal and Food Science Department.

9:30 am - 10:45 am  Poster Session A and Break  
University Center - 2nd Floor
11:00 am - 12:00 pm  Concurrent Sessions A  
University Center - 3rd Floor
Experiential Learning - Willow River Room
The incredible edible salad competition: an experiential horticulture project to enhance student engagement and learning in a crop and forage production course - Brian D. Whitaker (0223)

Designing Landscapes for Experiential Learning - Gail Hansen (0259)

Student design of class experiments facilitates problem-based learning - James R. Nechols (0268)

Experiential Learning and Critical Thinking in the Context of a College of Agriculture and Natural Resources Freshman Seminar Course - Michael W. Everett & Matt R. Raven (0276)

Technology - Kinni Theater
Student and Faculty Perceptions of ICT Use in Undergraduate Courses - D. M. Johnson, L. D. Edgar & C. K. Cox (0237)

An Exploratory Study of Computer-based Instruction Utilizing iFARM Modules in a College Introductory Agronomy Curriculum - Annie L. E. Davis, Lori J. Unruh-Snyder, Kathryn Orvis & Neil Knobloch (0242)

Mobile Computing and Augmented Reality to Support Learning about Horticulture - Michael R. Mohney, Susan Land & Heather Zimmerman (0249)

iLearn: Student Perceptions of Moving In-Class Lectures to Online Lectures - Christopher T. Stripling, Nathan W. Conner, Jessica M. Blythe & T. Grady Roberts (0250)

Perception - Chippewa River Room
From Food, Inc. to Farm Bill: Do Students Perceive the Nuances? Do Definitions Matter? - Foy D. Mills, Jr. (0364)

Agricultural Applications of Biotechnology in the Mind of the Public - Matt Spindler (0239)

Agricultural and Environmental Students’ Views of U.S. Food and Agricultural Policy - Kyle W. Ferrell, Foy D. Mills, Jr. & Brenna D. Ellison (0241)

Assessment - Apple River Room
Using Think-Aloud Pair Problem Solving as a Formative Assessment during Equipment Troubleshooting Training - Caitlin Young, Michael L. Pate & Royce Hatch (0243)
Exploring Opportunities within the New York Food and Agricultural Sector - Robert N. King (0273)

Making the Most of What You Have: Learning Concepts at Home and Applying Concepts During Class - Lauri M. Baker & Quisto Settle (0279)

Predictors of Course Completion Status and Final Course Grade for Students in an Introductory College Animal Science Course - Steffanie V. Burk, Mary G. Rossano, William J. Silvia, Eric S. Vanzant, Anthony J. Pescatore & Robert J. Harmon (0303)

**Mentoring - St. Croix River Room**

The Importance of Mentoring on Student Performance in Agriculture Honors Programs - Joey Mehlhorn, Jason Roberts, Sandy Mehlhorn & Scott Parrott (0235)

Promising practices of dairy, horse, and livestock Career Development Event coaches - Melissa Voigt, B. Allen Talbert, Steve McKinley & Colleen Brady (0238)

Improving Agriculture Literacy in Washoe County Elementary Students Using Undergraduate Student Interns - Chiara C. Velotta, Michelle S. Burrows, Dale W. Holcombe, David Thain & MDR Evans (0261)

Impact of an NSF-Funded Program on High Potential, High Performing Underrepresented Students - Pamala V. Morris & John Patterson (0277)

12:00 pm - 1:30 pm  
Lunch  
University Center - Riverview Ballroom

2:00 pm - 3:00 pm  
Concurrent Sessions B  
University Center - 3rd Floor

**Service - Willow River Room**

The Utility of Service learning as a teaching tool in Secondary Agricultural Schools in Iran: What are the Requirements as Perceived by Agricultural Teachers in Iran: The case of Kermanshah and Hamadan Provinces - Kiumars Zarafshani, Aliasghar Mirakzadeh & Marjan Sepahpanah (0217)

Building Solutions in Africa: Students Engage in Cross-Cultural Learning through Service - Paul C. Siciliano, Peter J. Caldwell & Landon G. Young (0221)

Growing a student garden: An integrated approach to teaching, service learning and student recruitment - David Berle (0295)

Enhancing Undergraduate Education While Meeting a Community Need Through Service Learning - Michelle S. Burrows, David Thain & Dale W. Holcombe (0289)
International - St. Croix River Room
Global Engagement: Sharing Our Expertise in Agricultural Education - Greg Miller (0253)

Agricultural Study Abroad Grounded in Experiential Learning - Nathan W. Conner & T. Grady Roberts (0256)

Expanding International Understanding of freshman students using their interest in conflicting roles of animals in societies of the world - M. Russell, H. Frigola & M. Douglas (0263)

Connecting Pacific Pathways through Research, Education and Experience in the Sciences - Janice Straley (0292)

Faculty Focus - Kinni Theater
An Investigation of Teacher Beliefs and Actions - Aaron Giorgi, T. Grady Roberts, Nathan Conner, Christopher Estepp & Christopher Stripling (0269)

Usage of Engaging Moments (E-moments) to Enhance Student Learning in an Introductory Animal Science Course - Katie Frenzen, Kathy Hanford & Bryan Reiling (0287)

Collaborative Teaching: Exploring Faculty Experiences in the Civic Agriculture and Food Systems Minor at Virginia Tech - Jennifer Helms, Kim Niewolny & Susan Clark (0299)

Comprehensive Beef Education Strategic Planning Conference - Heather Stewart, Dennis Brink, Dennis Burson, Dann Husmann, Rick Rasby, Bryan Reiling, Walter Schacht & Matt Spangler (0302)

Modeling - Apple River Room
A Model for Service Abroad Courses: Agricultural Development in Sierra Leone - Patrick Bell, Jeff Hattey & Mike Dicks (0225)

The Use of Simulations and Gaming to Enhance Student Understanding and Critical Thinking Skills - Scott Parrott, Joey Mehlhorn, Kelly Davidson & Jason Roberts (0234)

A Modeling Approach to Unifying Concepts Taught in a Professional MS Agronomy Curriculum - Fernando E. Miguez, Kenneth Moore & Sotirios Archontoulis (0247)
Gameification: Using Game Theory to Increase Learning and Engagement in Online Classes - Karen Cachevki Williams, Christine Noel Boggs & Meg Van Baalen-Wood (0286)

**Mentoring** - Chippewa River Room

Enhancing Science Interest through the 4-H Science Extravaganza Program - Lindsay Myers & Levon Esters (0338)

Sustaining Agriculture through Graduate Directed K-12 Outreach Experiences - Melissa L. Welsh, Neil Knobloch & Herbert Ohm (0343)

Does Dyad Match Make A Difference in a University Mentoring Program? - Bradley C. Greiman & Carly Tremain (0387)

3:00 pm - 4:15 pm  
Poster Session B and Break  
University Center - 2nd Floor

5:00 pm - 8:00 pm  
Farm Tours  
Mann Valley Farm - Machine Shed

6:00 pm - 7:00 pm  
BBQ  
Mann Valley Farm - Machine Shed

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**Thursday, June 28**

8:00 am - 9:30 am  
Keynote Panel  
University Center - Riverview Ballroom

**Jerry Apps**, Professor Emeritus at the University of Wisconsin-Madison and the author of more than 30 books, many of them on rural history and country life. Apps was a former publications editor for UW-Extension, an acquisitions editor for the McGraw-Hill Book Company, and editor of a national professional journal. He has won awards from State Historical Society of Wisconsin, the Wisconsin Library Association, The Wisconsin Council for Writers, American Library Association, and Barnes and Noble Bookstores, among others. In 2010 he received the Distinguished Service Award from UW-Madison’s College of Agricultural and Life Sciences.
Terri Dallas, Vice President of Information and Public Relations for Cooperative Resources International (CRI). Dallas is a 29-year veteran of the artificial insemination industry. A native of Hastings, MN, Dallas is a 1980 graduate of the University of Minnesota. She is involved in the cooperative community currently serving on the Cooperative Network Board of Directors and is a Trustee on The Cooperative Foundation Board.

James Harsdorf, appointed in 2001 by Governor McCallum to serve as the Secretary of the Department of Agriculture, Trade and Consumer Protection. Harsdorf has been a dairy farmer since 1970 in Beldenville, WI. He is a graduate of the University of Minnesota. Harsdorf served in the State Assembly, the State Senate, and on the Board of Agriculture, Trade and Consumer Protection. In 2011 Harsdorf received the Wisconsin Master Agriculturalist award.

Gary Rohde, CAFES Dean Emeritus and professor of agricultural economics. Rohde served as Secretary of the Wisconsin Department of Agriculture, Trade and Consumer Protection from 1975 until his return to UW-River Falls in 1981. Rohde received the University's highest honor of Distinguished Teacher in 1975, he received the Cooperative Builder Award from the Wisconsin Federation of Cooperatives, was awarded an Honorary Wisconsin FFA Degree, and was cited for distinguished service by the Wisconsin Farm Bureau Federation. Rohde was recently inducted into the FFA Hall of Fame.

9:30 am - 10:15 am  Poster Session C and Break University Center - 2nd Floor

10:30 am - 11:30 am  Concurrent Sessions C University Center - 3rd Floor

Technology - Kinni Theater
Using Concept Maps to Gauge Student Understanding - Sara D. Hurst & T. Grady Roberts (0278)

Survey of Preservice Agriculture Teachers' Knowledge of Teaching and Technology - Wendy J. Warner & Joy M. Marshall (0318)

**Perception - Chippewa River Room**

Sustaining By Advocating - Student Perceptions of Agricultural Advocacy - Chaney Mosley, Keyana Ellis & Eric Kaufman (0267)

Teacher Clarity: Student Perceptions - R. Kirby Barrick & Christopher M. Estepp (0290)

A Comparison of Student and Professor Perceptions of Teacher Immediacy Behavior Use in the Classroom - Karla P. Shellnut, Christopher M. Estepp & T. Grady Roberts (0298)

Identifying the relationship of precollegiate and collegiate experiences in predicting the community values component of leadership development - Elizabeth A. Foreman & Michael S. Retallick (0340)

**Modeling - Apple River Room**


Core Content and Competencies Needed in an Agricultural Communications Doctoral Program: A Delphi Study - Jennifer Ann Smith, Shelly Sitton & Jon Ramsey (0345)

An evaluation of students' cognitive parameters as well as their ability to utilize concept maps relating the principles of soil science - Jon M. Trappe, Lori J. Snyder & Stephanie Mitzman (0359)

Instructional Coherence of Standards and Assessment of Dual-Credit Courses in Advanced Life Sciences - Megan Anderson, Lisa Keefe, Neil Knobloch & Levon T. Esters (0368)

**Faculty Focus - St. Croix River Room**

My Second Life: Lessons Learned from the Front Line - Tracy Rutherford, Holli Leggette, Theresa Murphrey, David Doerfert, Christy Witt, Leslie Edgar & Don Edgar (0333)

Integrating Critical Thinking into a Curriculum - David Jones & Mark Kistler (0372)

Celebrating Advising as Teaching: Designing a Competency-Based Faculty Advisor Development Program to sustain advising excellence - Daniel D. Foster, Terry Musser, Jana Peters, Nancy Dreschel, James Howell & Stephanie Doores (0377)

Examining Outcomes Related to the Dissimilar Problem-solving Styles between Instructor and Student - Curtis R. Friedel & Chevanese L. Samms (0383)
International - Willow River Room
Engaging student self learning through an International Experience - David Jones (0319)

Beyond the University: Short- and Medium-Term Impacts of an International Professional Development Program for Faculty - Maria Navarro, Katrina R. Sharp, T. Grady Roberts, Robert B. Beckstead, Ron B. Pegg & Nicholas E. Fuhrman (0320)

International Agriculture and Development: A New Dual-Title Graduate Degree Program at Penn State University - Melanie M. Foster, Thomas H. Bruening, Edwin Rajotte & Deanna Behring (0335)

A Joint Degree in International Infectious Disease Management & Biosecurity -- The first in North America - Margaret L. Khaitsa, David J. Kabasa, Francis Ejobi, Samuel Majaliya, Eugene Berry, John McEvoy, Penelope Gibbs, Birgit Pruess & Jane Schuh (0382)

12:00 pm - 5:00 pm Tours
Buses Depart from South Entrance of University Center

Friday, June 29

8:00 am - 9:30 am NACTA Committee Meetings
University Center - 2nd and 3rd Floors

Journal Committee - St. Croix River Room

Journal Awards Committee - Apple River Room

Membership & Public Relations Committee - Chippewa River Room

Educational Issues & Teaching Improvement Committee - Wind River Room

Teacher Recognition Committee - Willow River Room

International Committee - Eau Galle River Room
9:30 am - 10:45 am  Poster Session D and Break
University Center - 2nd Floor

11:00 am - 12:00 pm  Concurrent Sessions D
University Center - 3rd Floor

**Technology** - Kinni Theater
Become a Food Safety Scientist through food safety virtual labs in the classroom - Joan Hegerfeld-Baker, Sanjeev Anand, Jeanne Gleason, Delan Myers & Lisa Peterson (0342)

Using Interactive Flash Games to Enhance Student's Learning - Harouna A. Maiga & Marc L. Bauer (0360)

Are Students Responding to My Text Message During Your Class? - Kevin J. Donnelly & Dana J. Minihan (0363)

**Experiential Learning** - St. Croix River Room
Training Leaders in Climate Change Through Experiential and Field-Based Learning - Nicolette Phear (0326)

Using involvement theory to examine the relationship between undergraduate participation in extracurricular activities and leadership development - Elizabeth A. Foreman & Michael Retallick (0334)

Yearlong Involvement with the Curriculum for Agricultural Science Education: A High School Student Perspective - Misty D. Lambert, Jonathan J. Velez & Kristopher M. Elliott (0349)

**Perception** - Apple River Room
Student Satisfaction and Self-Efficacy in a Teaching Methods Course by Treatment - Misty D. Lambert, Jonathan J. Velez & Kristopher M. Elliott (0350)

How does CASE Compare to High School Science and Non-Science Courses? - Misty D. Lambert, Jonathan J. Velez & Kristopher M. Elliott (0351)

**Modeling** - Willow River Room
Learning about futures markets through a classroom experiment - Maud Roucan-Kane & L. A. Wolfskill (0317)

Comparative Profile of College of Agriculture and Life Sciences Transfer and Native Students' Pre-College and Collegiate Academic Characteristics - J.A. Kiesling, R.A. Martin, W.W. Miller & T. Polito (0321)

Comparative Profile of College of Agriculture and Life Sciences Transfer and Native Students' Performance in Upper-Division Courses - J.A. Kiesling, R.A. Martin, W.W. Miller & T. Polito (0323)
Alumni and Employment - Chippewa River Room
Understanding and Addressing Factors Influencing Careers in Large Animal Veterinary Medicine - Jason Roberts, Joey Mehlhorn, Scott Parrott & Sandy Mehlhorn (0230)

Show Me the Money: Agricultural Communications Graduates' Starting Salary at [University] - Jessica Fry, Erica Irlbeck & Cindy Akers (0307)

International service learning course learning outcomes respond to employer priorities for new graduates OR Why employers rank international experiences for soft skill development so lowly? - M. Russell, P. Ebner, H. Oliver & L. Snyder (0264)

12:00 pm - 2:00 pm  Lunch and NACTA Business Meeting
                       University Center - Riverview Ballroom

2:30 pm - 4:00 pm  Workshops/Round Table Discussions
                       University Center and Wyman Education Building

Round Table Discussions - Wind River Room and Trimbelle River Room

Moving into the Professorate - St. Croix River Room

Strategies for Building Student Engagement - Wyman Education Building, Room 118

Strategies to Internationalize the Curriculum - Willow River Room

You Mean I Have to Work With These People! (0322) - Kinni Theater

5:30 pm - 6:30 pm  Social Hour
                       University Center - Riverview Ballroom

6:30 pm - 8:30 pm  Banquet
                       University Center - Riverview Ballroom
Posters

Poster Session A
(Wednesday, June 27 from 9:30 am - 10:45 am)

1. Unique Combination: Nuts and Unicorns Applying STEM Through Agricultural Education - Caryn Filson & M. Susie Whittington (0220)

2. Teaching Locally, Engaging Globally: Enhancing the Undergraduate Curriculum - Jessica L. Gouldthorpe, Grady Roberts, Amy Harder, Nicole Stedman, Kim Dooley, James Lindner & Maria Navarro (0224)

3. Incorporating constructivist and behaviorist instructional methods and Learner-Centered teaching theory into horse riding instruction programs and courses - Melissa Voigt, Steve McKinley, Annie Davis & Colleen Brady (0233)

4. Use of a Freshman Service Learning Project and Learner Centered Instruction to Introduce K-6 Students to Agriculture - William S. Sakai, Russell Shioshita, Debra Cheever-Follett, Maile Bellosi & Kelaunani Delostrico (0236)

5. Engaging Undergraduates and High School Students as Citizen Scientists: A Longitudinal Study of Forestry Data Collection Accuracy - Milton G. Newberry III, Nicholas Fuhrman, Chris Morgain, Jon Petersen & Sarah Deloach (0244)

6. Socioscientific Issues-based Instruction: Sustaining Agriculture through Consumer Education - Catherine W. Shoulders (0246)


8. Written communication and cultural sensitivity skill development framed as career preparation and leadership for upper-class agriculture students - M. Russell & M. Tucker (0262)

9. Using Problem Based Learning to Teach Agricultural Law - Beau Pemberton, Joey Mehlhorn & Scott Parrott (0270)

10. Integrating Extension and Research Activities -- Implications for College Teaching - Caitlin Foley & Rama Radhakrishna (0272)

11. Animal Science Unit Addresses College Students' Multiple Intelligences - Crystal A. Allen & Walter Hurley (0283)

12. Training in information technologies to enhance agricultural instruction, research and outreach - Samuel Nahashon & Cheryl Seay (0306)


15. Celebrating Award Winning Teaching by Identifying Themes to Sustain in Post-Secondary Agriculture Instruction - Laura L. Sankey & Daniel D. Foster (0324)

17. Tox in a Box: Utilizing Inquiry-based Instruction and a Flipped Classroom to Instruct Environmental Toxicology - Daniel D. Foster, Joshua Lambert, James Endreas Howell & Angela Dick (0329)

18. Faculty Book Club for Teaching Excellence - Jeremy Falk & John Foltz (0330)

19. Usage of Team- and Problem-Based Learning in a Sophomore-Level Animal Management Course - Bryan A. Reiling (0337)

20. Pilot Study of Teaching and Learning Herbaceous Plants using an iPhone application - Cynthia Haynes & Kevin Duerfeldt (0339)

21. The Professional Development Project for Teaching Advanced Animal Science - Samantha Ullrich, Doug Ullrich, Sheyenne Krysher & Dwayne Pavelock (0346)

22. Teaching Technology in a Push-Button World - Emily Rhoades & Kelly Aue (0362)

23. Teaching to Different Generations in today’s Classroom - David Jones (0365)

24. Enhancing Teaching and Learning: What do Faculty Need? - Maria Navarro (0384)

**Poster Session B**
(Wednesday, June 27 from 3:00 pm - 4:15 pm)

1. International Comparative Rural Policy Studies - Judith I. Stallmann, Maria Augusta Figueroa Armijos & Thomas G. Johnson (0226)

2. Rebuilding Higher Education in Agriculture in South Sudan - Jim McKenna & Pavli Mykerezi (0229)


5. A Model for Improving the Delivery of Youth Development Programs by Agricultural and Natural Resource Educators - Peter Skelton, Tom Dormody, Myoko Pattelena & Patricia Dappen (0255)

6. Supporting Innovative Teaching Approaches: The Curriculum Internationalization Grant Program at [University] - Maria Navarro & Kasee Clifton Laster (0257)

7. Enhancing Students’ Small Business Knowledge and Entrepreneurial Skills from a Global Perspective: Collaborative Curriculum Design and Assessment - Nancy Hodges, Kittichai Watchravesringkan, Jennifer Yurchisin, Elena Karpova, Sara Marckett, Jane Hegland & Ruoh-nan Yan (0265)

8. Revitalization of the South Carolina 4-H Market Steer Program through Educational Workshops - Cameron Burns, Thomas Dobbins, Dale Layfield & Steven Meadows (0275)

9. Development and Implementation of a National Center of Excellence in Dairy Production Medicine Education for Veterinarians - John Fetrow (0280)
10. The role of industry advisory councils in forming agribusiness curricula - L.A. Wolfskill & Gary J. Wingenbach (0288)


12. Integrating Permaculture into a Planting Design Studio for Landscape Designers - Elizabeth Mogen (0304)

13. Linking Environmental Education and School Culture: Recommendations for Success - Stephanie Shumacher, Nicholas E. Fuhrmann & Dennis W. Duncan (0312)


15. Applying the modified social technocratic ladder to education in agriculture - Holli Leggette, Tracy Rutherford & Tobin Redwine (0332)

16. Teachers' Concerns and Behaviors while Implementing the CASE curriculum - Misty D. Lambert, Jonathan J. Velez & Kristopher M. Elliott (0352)

17. Enhancing Learning and Introducing AgriPharmatech Program to Middle and High-School Students by Involving Botany Club Members as Student Ambassadors - Ingelia White & Donna Kuehu (0369)

18. Creating Virtual Nursery Trips to Improve On-campus and Distance Education in Nursery Production - Amy N. Wright, James Robbins & Mengmeng Gu (0371)

19. Sustaining Agriculture by Incorporating Globalization in the Curriculum - Donna L. Graham (0373)


21. Minnesota Career and Technical Education Student Performance - Sonja L. Flaagan, Lyle E. Westrom & Brad C. Greiman (0380)

22. Using Student Self-reflection to Improve Landscape Design Abilities - Ann Marie VanDerZanden (0232)

**Poster Session C**
(Thursday, June 28 from 9:30 am - 10:15 am)

1. The /University/ Farm: An Evolutionary Experiment in Experiential Learning Spanning Seven Decades - Jessica A. Kiesling, Robert A. Martin & Thomas H. Paulsen (0300)

2. Factors influencing Agricultural students attitude towards internship programs - Rezvan Ghanbarali, Kiumars Zarafshani & Lida Sharafi (0222)

3. Lessons Learned and Improvement to an Experiential Learning Activity - Kimberly A. Moore (0245)
4. Using Contentious Issues in Agriculture to Strengthen the Critical Thinking Skills of College of Agriculture Undergraduates - Christopher M. Estepp, Ricky W. Telg & Becky Raulerson (0251)

5. Breaking Down Barriers: Advising Adult Learners in Higher Education - Caryn Filson & Chris Zirkle (0258)


7. Effects of a workshop on adult agricultural leaders' perception of communication skills: A case study - Tobin Redwine, Tracy Rutherford, Holli Leggette, Annie Specht & Caroline Black (0281)

8. A partnership for recruiting non-traditional underrepresented students into agricultural sustainability degree programs - Mark Van Horn, Anne K. Stephens, Heidi L. Ballard & Thomas P. Tomich (0294)

9. Building Community through Near Peer Mentoring in Graduate Student Communities - Katherine McKee, Tiffany Drape & Donna Westfall-Rudd (0296)

10. Factors associated with choosing a college of agricultural science - Daniel D. Foster, John C. Ewing, Katie McDavid, Marianne Fivck & Terry Musser (0309)

11. Sources of information utilized in choosing a college of agriculture science - John C. Ewing, Daniel D. Foster, Katie McDavid & Jonathan Ziegler (0310)


14. Engaging Undergraduates in International Relationships in Agriculture - Marcus Pollard (0347)

15. Multiple use of horses for innovative teaching and research - Trinette Ross, Karen Hansen, Jason Bruemmer & David Denniston (0354)

16. Celebrating student ownership in learning: Utilizing student contracts to develop global citizenship in an international immersion experience - Melanie M. Foster, Daniel D. Foster & David Ader (0357)

17. Celebrating school-based agricultural education across the globe: Utilizing and sustaining digital community of practice - Daniel D. Foster, R. Kirby Barrick, Seung Il Na, Melanie M. Foster & Laura Sankey (0367)

18. Veterinary interest areas of students enrolled in a PreVeterinary track Professional Development Course - Shweta Trivedi, Brandon K. Maddox, Dustin C. Orr & Jodie L. Joseph (0374)

19. Service Learning Meets Digital Modeling Technology - Treva Sprout Ahrenholtz (0375)

20. Promoting Agriscience Literacy through a State Fair Learning Scavenger Hunt - Bekah Nortrup, Levon Esters & Justin Armstrong (0376)
21. Examining Student Experiences in a Modified Problem Based Learning Approach to Teaching Sustainable Soil Management - Alisha F. Hackinen, Maja Krzic, Jolie Mayer-Smith & Les Lavkulich (0385)

22. Exploring the Use of a Course Management System for Online Academic Advising - Kelsey Hall & Taylor Adams (0386)

23. Recycling Barrel & Roll Out the Rain Barrel Service-Learning Project - Jean A. Gleichsner (0388)

24. Celebrating and Sustaining Honors and Agriculture - Timothy J. Nichols (0391)

**Poster Session D**
(Friday, June 29 from 9:30 am - 10:45 am)

1. The Relationship between Self-Regulated learning and Problem Solving Style in Participants of an Agricultural Leadership Program - Avery Culbertson, Alexa Lamm & Hannah Carter (0355)

2. Factors Influencing Agriculture Student Transition and Retention in College - Sandy Mehlhorn, Jason Roberts, Joey Mehlhorn & Jimmy Butler (0228)

3. Determining Educational Needs of Greenhouse growers Using Borich Need Assessment and Quadrant Analysis in Kermanshah Province - Kiumars Zarafshani & Roya Arabayen (0218)

4. Analysis of Student Learning Stages and Styles of Agricultural and Natural Resource Based Theory of Experiential Learning Cycle - Abdul Hamid, Jafar Yaghubi, Shahab Fekri Mehin & Marjan Sepahpanah (0219)

5. Is Student Learning Motivated by Money? - Joe Parcell, Jill Moreland, Haluk Gedikoglu & Anna Henry (0252)

6. Assessing Retention in Two Freshman Natural Resource Orientation Courses - Mark E. Burbach, Shannon L. Moncure, Sue Ellen Pegg, Sara L. Cooper & Sara R. Winn (0260)

7. Formative Evaluation with the Classroom Survey of Student Engagement - Eric K. Kaufman (0266)

8. The Perceptions of the Quality of Education Received from PhD Student Instructors from the Eyes of Four Agricultural Education Undergraduate Students - Nathan W. Conner & Eric D. Rubenstein (0271)


11. Influence of faculty earned degrees on agribusiness curriculum content - L.A. Wolfskill & Gary J. Wingenbach (0285)

13. Our students: A profile of the 2011 fall semester college of agriculture freshman - Daniel D. Foster, John C. Ewing & Katie McDavid (0308)

14. Undergraduate Student Perceptions of Public Speaking and Communication Technology - Sarah G. DeLoach, Milton G. Newberry, Nicholas E. Fuhrman & A. Chris Morgan (0314)


16. An International Travel Course: Student Concerns and Expectations - Cynthia Haynes & Ann Marie VanDerZanden (0336)


20. Perspectives on agricultural and life sciences undergraduate research experience - Amanda Ford, Elaine Turner & Wendy Dahl (0361)


22. Measuring Community Economic Impacts Derived from FFA Career Development Event Participant Spending - Roger Hanagriff, Dwayne Pavelock, John Rayfield & Doug Ullrich (0370)

23. Academic Performance in a Two-Year Turfgrass Management Program as an Indicator for Career Success and Program Assessment - David A. Willoughby (0378)

24. Critical Evaluation of Sustainability Claims in Building Products - Treva Sprout Ahrenholtz (0389)
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<td>7:00 am - 2:00 pm</td>
<td>Conference Registration</td>
<td>University Center - Falls Room</td>
</tr>
<tr>
<td>8:00 am - 9:30 am</td>
<td>Blue Ribbon Presentation</td>
<td>University Center - Riverview Ballroom</td>
</tr>
<tr>
<td>9:30 am - 10:45 am</td>
<td>Poster Session A/ Break</td>
<td>University Center - 2nd Floor</td>
</tr>
<tr>
<td>11:00 am - 12:00 pm</td>
<td>Concurrent Sessions A</td>
<td>University Center - 3rd Floor</td>
</tr>
<tr>
<td>12:00 pm - 1:30 pm</td>
<td>Lunch</td>
<td>University Center - Riverview Ballroom</td>
</tr>
<tr>
<td>2:00 pm - 3:00 pm</td>
<td>Concurrent Sessions B</td>
<td>University Center - 3rd Floor</td>
</tr>
<tr>
<td>3:00 pm - 4:15 pm</td>
<td>Poster Session B/ Break</td>
<td>University Center - 2nd Floor</td>
</tr>
<tr>
<td>5:00 pm - 8:00 pm</td>
<td>Farm Tours</td>
<td>Mann Valley Farm - Machine Shed</td>
</tr>
<tr>
<td>6:00 pm - 7:00 pm</td>
<td>BBQ</td>
<td>Mann Valley Farm - Machine Shed</td>
</tr>
<tr>
<td><strong>Thursday, June 28</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:00 am - 9:30 am</td>
<td>Keynote Panel</td>
<td>University Center - Riverview Ballroom</td>
</tr>
<tr>
<td>9:30 am - 10:15 am</td>
<td>Poster Session C/ Break</td>
<td>University Center - 2nd Floor</td>
</tr>
<tr>
<td>10:30 am - 11:30 am</td>
<td>Concurrent Sessions C</td>
<td>University Center - 3rd Floor</td>
</tr>
<tr>
<td>12:00 pm - 5:00 pm</td>
<td>Tours</td>
<td>Buses Leave from South Entrance of University</td>
</tr>
<tr>
<td><strong>Friday, June 29</strong></td>
<td></td>
<td>University Center - 2nd and 3rd Floors</td>
</tr>
<tr>
<td>8:00 am - 9:30 am</td>
<td>NACTA Committee Meetings</td>
<td>University Center - 2nd Floor</td>
</tr>
<tr>
<td>9:30 am - 10:45 am</td>
<td>Poster Session D/ Break</td>
<td>University Center - 3rd Floor</td>
</tr>
<tr>
<td>11:00 am - 12:00 pm</td>
<td>Concurrent Sessions D</td>
<td>University Center - Riverview Ballroom</td>
</tr>
<tr>
<td>12:00 pm - 2:00 pm</td>
<td>Lunch/ Business Meeting</td>
<td>University Center &amp; Wyman Education Building</td>
</tr>
<tr>
<td>2:30 pm - 4:00 pm</td>
<td>Workshops/Discussions</td>
<td>University Center - Riverview Ballroom</td>
</tr>
<tr>
<td>5:30 pm - 6:30 pm</td>
<td>Social Hour</td>
<td>University Center - Riverview Ballroom</td>
</tr>
<tr>
<td>6:30 pm - 8:30 pm</td>
<td>Banquet</td>
<td>University Center - Riverview Ballroom</td>
</tr>
</tbody>
</table>