59th Annual NACTA Conference

Crossing Disciplinary Boundaries

June 25-29, 2013

The Inn at Virginia Tech and Skelton Conference Center
Blacksburg, Virginia

Virginia Tech
Invent the Future®

College of Agriculture and Life Sciences
**NACTA Executive Committee 2012-2013**

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  - Virginia Tech

- **President-Elect**
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  - Ohio State University

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  - North Carolina State University

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  - Rick Parker

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  - Kansas State University

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  - University of Nebraska

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  - University of Alberta

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  - Western Illinois University

- **Central Regional Director-elect**
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  - Iowa State University

- **Eastern Regional Director**
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  - Purdue University

- **Western Regional Director**
  - Brenda Seever
  - New Mexico State University

- **Southern Regional Director**
  - Jean Bertrand
  - University of Georgia

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- Jennifer Helms
- Jim McKenna
- Pavli Mykerezi
- Rick Rudd
- Susan Sumner

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  - Rick Parker

- **Journal Awards Committee**
  - Neil Douglas
  - (2012-2014)
  - [3rd Term]
  - Berea College

- **Membership & Public Relations Committee**
  - Ron Hanson
  - University of Nebraska

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  - Kimberly Moore
  - (2012-2014)
  - [1st Term]
  - University of Florida

- **Teacher Recognition Committee**
  - Nick Fuhrman
  - (2011-2013)
  - [1st Term]
  - University of Georgia

- **International Committee**
  - Chris Morgan
  - (2013-2014)
  - [Finishing term for Mark Russell]
  - University of Georgia

- **Nominating/Distinguished Educator/Foundation Advisory Committee**
  - Jeannette Moore
  - North Carolina State University

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  - Jeff Hattey
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  - Fort Hays State University

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  - Tom Lindahl

- **Interim NACTA Foundation Chairman**
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  - Kansas State University

- **Judging Conference Liaison**
  - Lyle Westrom
  - University of MN-Crookston

**APLU/CRERR/APS Liaison**

- Jean Bertrand
  - University of Georgia

**AASCARR Liaison**

- Billye Foster
  - Tennessee Tech University

**CFAVM & CADAP Liaison**

- Kent Mullinix
  - Kwantlen Polytechnic University

**CAPICU Liaison**

- Ed Brokaw
  - Abilene Christian University

**Program Chairs & Host Site Committee – 2012**

- Bonnie Walters
  - Tim Buttlies
  - University of Wisconsin

**Program Chairs & Host Site Committee – 2013**

- Pavli Mykerezi
  - Jim McKenna
  - Virginia Tech

**Program Chair & Host Site Committee – 2014**

- Tracy Dougher
  - Montana State University
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Welcome to Virginia Tech

On behalf of the faculty, staff and students of the College of Agriculture and Life Sciences, we welcome you to Blacksburg, Virginia. We are pleased to host the 59th Annual NACTA conference on the Virginia Tech campus in beautiful southwest Virginia. While you are here, you will have the opportunity to share pedagogy ideas, network with colleagues and make some new friends.

Since we last hosted the NACTA conference in 1999, Virginia Tech, like many institutions, has dramatically changed our curriculum and the majors we offer to the students on our campus. We come together in June 2013 for everyone to share how we have made these transformations and learn from each other.

Thank you for your commitment to enhancing educational scholarship on your campus.

Susan Sumner
Associate Dean and Director of Academic Programs

Thank you to our sponsors

Virginia Tech
Invent the Future
College of Agriculture and Life Sciences
Agricultural & Extension Education
CALS Office of Academic Programs
Center for Instructional Development and Educational Research
Civic Agriculture & Food Systems Program
Department of Horticulture

FARM BUREAU INSURANCE
The Inn at Virginia Tech and Skelton Conference Center Floorplan

First Floor

Second Floor
Tuesday, June 25, 2013

12:00 – 7:00 p.m. Registration Open, Latham Ballroom Foyer
1:00 – 4:00 p.m. NACTA Executive Committee Meeting, Smithfield Room
NIFA/DOCE Meeting, Duckpond Room
Pre-Conference Professional Development Experience: Assessing Outcomes of Teaching and Learning Experiences, Solitude Room
6:00 – 9:00 p.m. Opening Reception, Latham Ballroom, Salons A & B

Wednesday, June 26, 2013

Book Auction and College Showcase will be held in the Lower Quad area at the top of the main staircase.

7:00 – 10:00 a.m. Registration Open, Latham Ballroom Foyer
7:30 – 8:00 a.m. Continental Breakfast, Latham Ballroom Foyer
8:00 – 9:30 a.m. Welcome and Keynote, Latham Ballroom, Salons A-C
Welcoming Remarks: Alan Grant, Dean, Virginia Tech College of Agriculture and Life Sciences
Keynote: Michael Mullen, Vice Chancellor, North Carolina State University
9:30 – 10:30 a.m. Poster Session and Break, Latham Ballroom, Salons D-F
Refreshments are available in the ballroom foyer. See page 22 for a list of posters and authors.
10:30 a.m. – 12:00 p.m. Concurrent Sessions
Career, Smithfield Room
Civic Agriculture and Food Systems, Assembly Hall
Crossing Disciplinary Boundaries, Cascades Room
Distance Education, Drillfield Room
Diversity and Cultural, Solitude Room
Pedagogy Strategies, Duckpond Room
12:00 – 1:30 p.m. Lunch, Latham Ballroom, Salons A-C
Speaker: Peter Doolittle, Director, Virginia Tech Center for Instructional Development and Educational Research
2:00 – 3:30 p.m. Concurrent Sessions
Crossing Disciplinary Boundaries, Assembly Hall
Experiential Partnerships, Smithfield Room
Technology, Drillfield Room
Recruitment/Retention, Cascades Room
Pedagogy Strategies, Solitude Room
Pedagogy Strategies and Technology, Duckpond Room
Wednesday, June 26, 2013 (continued)

3:30 - 4:30 p.m. Poster Session and Break, Latham Ballroom, Salons D-F
Refreshments are available in the ballroom foyer. See page 22 for a list of posters and authors.

5:30 - 8:00 p.m. BBQ at “The Grove” VA-MD Regional College of Veterinary Medicine (see map on page 5)
Join us for a delicious local BBQ dinner and live bluegrass music from the Clover Hollow Boys. The BBQ is included for all conference participants, however, pre-registration is required. There will be a continuous shuttle from the Inn at Virginia Tech to The Vet School. Pick up location will be at the main entrance to the hotel, near the front desk area.

Thursday, June 27, 2013

Book Auction and College Showcase will be held in the Lower Quad area at the top of the main staircase.

7:00 a.m. - Noon Registration Open, Latham Ballroom Foyer
7:30 - 8:00 a.m. Continental Breakfast, Latham Ballroom Foyer
8:00 - 9:30 a.m. Blue Ribbon Presentation, Latham Ballroom, Salons A-C
Susie Whittington, Professor, Ohio State University
9:30 - 10:30 a.m. Poster Session and Break, Latham Ballroom, Salons D-F
Refreshments are available in the ballroom foyer. See page 22 for a list of posters and authors.

10:30 a.m. - 12:00 p.m. Concurrent Sessions
Crossing Disciplinary Boundaries, Assembly Hall
Diversity and Cultural, Smithfield Room
Leadership, Drillfield Room
Pedagogy Strategies I, Cascades Room
Pedagogy Strategies II, Solitude Room
Technology, Duckpond Room

11:45 - 12:15 p.m. Pick up boxed lunches in the Latham Ballroom Foyer and proceed to your designated tour bus in front of the main entrance of the Inn at Virginia Tech (buses depart at 12:15 p.m.), Latham Ballroom Foyer

12:00 - 12:15 p.m. Board buses for tours, departing at 12:15 p.m.

12:15 - 5:15 p.m. Tours
Historic Blacksburg Tour
New River Valley Farm Tour
Civic Agriculture and Food Systems Tour
Floyd County Sustainable Community Tour

5:15 p.m. Dinner on your own
Schedule

Friday, June 28, 2013

Book Auction and College Showcase will be held in the Lower Quad area at the top of the main staircase.

7:00 – 9:00 a.m. Registration Open, Latham Ballroom Foyer
7:30 – 8:00 a.m. Continental Breakfast, Latham Ballroom Foyer
8:30 – 9:30 a.m. Committee Meetings, Latham Ballroom, Salons A-C
9:30 – 10:30 a.m. Poster Session and Break, Latham Ballroom, Salons D-F

Refreshments are available in the ballroom foyer. See page 22 for a list of posters and authors.

10:30 a.m. – 12:00 p.m. Concurrent Sessions
University Leadership, Assembly Hall
Experiential Study Abroad, Smithfield Room
Pedagogy Strategies, Drillfield Room

12:00 – 2:00 p.m. Lunch & Business Meeting, Latham Ballroom, Salons A-C

2:00 – 4:00 p.m. Workshops
Creating a coalition of farmers, ranchers, service providers, and educators to serve new farmers and ranchers
Kim Niewolny, Donna Westfall-Rudd, Althea Whittier Cummings, and Sarah McKay, Virginia Tech
Assembly Hall

Interdisciplinary two-year associate degree programs in agriculture: A case study at Virginia Tech
Pavli Mykerezi, Jim McKenna, Joe Guthrie, Sam Doak
Smithfield Room

Interdisciplinary programs to serve limited resource farmers
Jewel Hairston, Virginia State University
Drillfield Room

Interdisciplinary programs serving international agriculture
Kurt Richter, Tom Hammet, Virginia Tech Office of International Research and Development
Cascades Room

5:30 – 6:30 p.m. Registration Open, Latham Ballroom Foyer

6:00 – 9:00 p.m. Banquet, Latham Ballroom, Salons A-C (included for all conference participants and paid guests)

Saturday, June 29, 2013

7:00 – 8:00 a.m. NACTA Executive Committee Breakfast, Preston's Restaurant
8:00 – 11:00 a.m. NACTA Executive Committee Meeting, Duckpond Room
<table>
<thead>
<tr>
<th>Time</th>
<th>Submission ID</th>
<th>Title and Author(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30 a.m.</td>
<td>2013-0074</td>
<td>Growing a Civically Engaged Curriculum: The Evolving Story of the Civic Agriculture and Food Systems Minor&lt;br&gt;Susan Clark and Kim Niewolny</td>
</tr>
<tr>
<td>10:35 a.m.</td>
<td>2013-0102</td>
<td>Companion Planting: The Reciprocity of Community-University Partnerships in Civic Agriculture and Food Systems Minor&lt;br&gt;Jenny Schwanke, Rial Tombes, Sally Walker and Susan Clark</td>
</tr>
<tr>
<td>10:45 a.m.</td>
<td>2013-0134</td>
<td>Separating The Wheat From The Chaff: Negotiating Contested Terms In Agriculture Education&lt;br&gt;Jacob N. Barney, Peter E. Ziegler, Steven C. Hodges, Cynthia M. Wood, Thomas P. Kuhar and Johanna Cricenti</td>
</tr>
<tr>
<td>10:55 a.m.</td>
<td>2013-0100</td>
<td>Cultivating Opportunity: Community Action Projects in the Civic Agriculture and Food Systems Minor CAPstone Course&lt;br&gt;Susan Clark and Jenny Schwanke</td>
</tr>
<tr>
<td>11:05 a.m.</td>
<td>2013-0162</td>
<td>Assessing Civically Engaged Curriculum: Civic Agriculture and Food Systems Minor at Virginia Tech&lt;br&gt;Jennifer Helms and Susan Clark</td>
</tr>
<tr>
<td>11:15 a.m.</td>
<td>2013-0163</td>
<td>Crossing Disciplinary Boundaries: Exploring Current and Future Roles of Graduate Students as Knowledge Producers and Educators in Higher Education&lt;br&gt;Jennifer Helms, Sarah Misyak and Johanna Cricenti</td>
</tr>
<tr>
<td>11:25 a.m.</td>
<td>2013-0199</td>
<td>Co-learning in a Graduate-Level Food Systems Course: Interdisciplinary Perspectives on Course-Based Action Research&lt;br&gt;Rachael Kennedy, Kim Niewolny, Sarah Ciamillo, Philip D-Adamo-Damery, Sarah Jonson, Lorien MacAuley, Havva Savran Al-Haik and Alexander Trutko</td>
</tr>
<tr>
<td>11:35 a.m.</td>
<td>2013-0174</td>
<td>Mapping the Campus Food System: Assessing Consumer Awareness of VT Dining Services Garden at Kentland Farm&lt;br&gt;Johanna Z. Cricenti, Susan Clark, Holly Scoggin and J. Roger Harris</td>
</tr>
</tbody>
</table>
### Oral Presentations

#### Career
Smithfield Room

<table>
<thead>
<tr>
<th>Time</th>
<th>Submission ID</th>
<th>Title and Author(s)</th>
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<tbody>
<tr>
<td>10:30 a.m.</td>
<td>2013-0068</td>
<td>A Pipeline Model for Careers in Agriculture, Environmental and Life Sciences</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Linda L. Okiror, Usman Adamu, Rita Conley and Greg Madden</td>
</tr>
<tr>
<td>10:45 a.m.</td>
<td>2013-0006</td>
<td>Promoting Career Pathways within the New York State Food and Agricultural Sector</td>
</tr>
<tr>
<td></td>
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<td>Robert N. King</td>
</tr>
<tr>
<td>11:00 a.m.</td>
<td>2013-0126</td>
<td>Interactive Learning Assessment: Simulating Professional Practices</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Elizabeth Yakes, Andrea Cantarero, Tabitha McKay, Vanessa Svhila, Tim Castillo,</td>
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<td>Isaac Valdez and Justin Hertel</td>
</tr>
<tr>
<td>11:15 a.m.</td>
<td>2013-0168</td>
<td>Developing a Pipeline of Agriculture Students: Starting and Nurturing a Two-Year</td>
</tr>
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<td>Agribusiness Program</td>
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<td>Dixie Watts Dalton</td>
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<tr>
<td>11:30 a.m.</td>
<td>2013-0219</td>
<td>Graduates of Agricultural Programs Attitudes Regarding Basic Employability Skills:</td>
</tr>
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<td>A Pilot Study</td>
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<td></td>
<td></td>
<td>Ronald Heimler and Peter Kilduff</td>
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</tbody>
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#### Distance Education
Drillfield Room

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<tr>
<th>Time</th>
<th>Submission ID</th>
<th>Title and Author(s)</th>
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<tbody>
<tr>
<td>10:30 a.m.</td>
<td>2013-0049</td>
<td>Professional Development Needs of Swine Science Distance Education Instructors</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Brent Bjelland, Maggie Sprecher and Greg Miller</td>
</tr>
<tr>
<td>10:45 a.m.</td>
<td>2013-0061</td>
<td>Student Conceptions of the Nature of Science: Implications for Agricultural Education</td>
</tr>
<tr>
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<td>Hannah H. Scherer, Courtney Vengrin and Aaron Bond</td>
</tr>
<tr>
<td>11:00 a.m.</td>
<td>2013-0112</td>
<td>Integrating Quantitative Genetics and Genomics in Online Graduate Education</td>
</tr>
<tr>
<td></td>
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<td>Ronald M. Lewis, Gabriela C. MAjrquez and Barbara B. Lockee</td>
</tr>
<tr>
<td>11:15 a.m.</td>
<td>2013-0131</td>
<td>Developing a Distance Education Lab Course in Plant Biology</td>
</tr>
<tr>
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<td>Chad Jordan, James Mickle and Donna Wright</td>
</tr>
<tr>
<td>11:30 a.m.</td>
<td>2013-0138</td>
<td>Innovative Program Development in Agriculture Through Distance Education in the Insular Areas</td>
</tr>
<tr>
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<td>Christy L. Vineyard</td>
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<tr>
<td>11:45 a.m.</td>
<td>2013-0198</td>
<td>Experiential Learning in Quantitative Genetics Online: CyberSheep</td>
</tr>
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<td>Ronald M. Lewis, Oddbjoern Hestnes, Eric Gilmore, Jackie Meese, Todd Ogle and</td>
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<td>Barbara B. Lockee</td>
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</table>
### Oral Presentations

**Wednesday, June 26, 2013 • 10:30 a.m. – Noon (continued)**

**Crossing Disciplinary Boundaries**

*Cascades Room*

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<tr>
<th>Time</th>
<th>Submission ID</th>
<th>Title and Author(s)</th>
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</thead>
</table>
| 10:30 a.m.    | 2013-0023     | Understanding Disciplinary Boundaries within Colleges of Agriculture: Implications for Graduate Student Development  
Caitlin Foley, Rama Radhakrishna and Mark Brennan |
| 10:45 a.m.    | 2013-0041     | Crossing Disciplines, Crossing Borders; Assessing Teacher Clarity in an International Setting  
R. Kirby Barrick and Seung Il Na |
| 11:00 a.m.    | 2013-0062     | Crossing International and Disciplinary Borders in Graduate Education  
Melanie Miller Foster, Thomas Gill and Daniel Foster |
| 11:15 a.m.    | 2013-0121     | Center for Education and Training in Agriculture and Related Sciences (CETARS): An Interdisciplinary Approach from K-12 to PhD to Work in Problems Facing Agriculture  
Félix R. Román, Marco de Jesus, Martha L. López, Oscar Perales-Perez and Winston Dela Torre |
| 11:30 a.m.    | 2013-0172     | Student Motivation and Learning Preferences in an Interdisciplinary Online Master's Degree  
Bradley Burbaugh, Tiffany Drape and Donna Westfall-Rudd |
| 11:45 a.m.    | 2013-0229     | Transdisciplinary Knowledge Transformation by Graduate Students Engaged in an Outreach Experience  
Melissa L. Welsh and Neil A. Knobloch |

### Diversity and Cultural

**Solitude Room**

<table>
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<tr>
<th>Time</th>
<th>Submission ID</th>
<th>Title and Author(s)</th>
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</thead>
</table>
| 10:30 a.m.    | 2013-0017     | Toward Cultural Proficiency: How Much Confidence Can be Gained and what Benchmarks and Standards Can be Met in a College Course?  
Nicole Steinmetz, Suzie McMullen and M. Susie Whittington |
| 10:45 a.m.    | 2013-0021     | The Science Behind Traditional Knowledge: An In-Field Medicinal Plants Bioassay Method Boosts Science Engagement Of American Indian and Alaskan Native High School Students  
Barry Croom, Joshua Kellogg, Brittany Graf, Ilya Raskin, Nathalie Plundrich and Mary Ann Lila |
| 11:00 a.m.    | 2013-0119     | Pre-Health Collection: Resources to Enhance Your Instruction  
Martie Gillen |
### Oral Presentations

<table>
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<tr>
<th>Time</th>
<th>Submission ID</th>
<th>Title and Author(s)</th>
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<tbody>
<tr>
<td>11:15 a.m.</td>
<td>2013-0124</td>
<td>Fed Beef Industry Employers' Expectations of Employees with Graduate Degrees</td>
</tr>
<tr>
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<td>Kevin Williams, Amanda Deal, Tanner Robertson and Lance Kie th</td>
</tr>
<tr>
<td>11:30 a.m.</td>
<td>2013-0242</td>
<td>Increasing Retention of Underrepresented Students through Peer Mentoring</td>
</tr>
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<td>Brielle S. Wright, Jacquelyn R. Thomas, Ray Lewis and Curtis R. Friedel</td>
</tr>
<tr>
<td>11:45 a.m.</td>
<td>2013-0256</td>
<td>Student Preferences for M-learning</td>
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<td>Casey T. Meadows, Billy McKim and Tracy Rutherford</td>
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</tbody>
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### Pedagogy Strategies

**Duckpond Room**

<table>
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<tr>
<th>Time</th>
<th>Submission ID</th>
<th>Title and Author(s)</th>
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<tbody>
<tr>
<td>10:30 a.m.</td>
<td>2013-0095</td>
<td>Impacts of the EARTH Program on Student Perceptions of Sustainability</td>
</tr>
<tr>
<td></td>
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<td>Kevin Duerfeldt and Cynthia Haynes</td>
</tr>
<tr>
<td>10:45 a.m.</td>
<td>2013-0217</td>
<td>Using Guided Discovery to Teach Students Feedstuff Identification in a Swine Production Course</td>
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<td>Brian D. Whitaker</td>
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<tr>
<td>11:00 a.m.</td>
<td>2013-0243</td>
<td>Effect of Background Experience on Student Perceptions of Ethical Issues in Animal Science</td>
</tr>
<tr>
<td></td>
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<td>Shannon M. Wyatt, Mark J. Anderson, Stanley F. Kelley, Marcy M. Beverly, Kyle J. Stutts and Jessica L. Lucia</td>
</tr>
<tr>
<td>11:15 a.m.</td>
<td>2013-0255</td>
<td>Undergraduate Students' Critical Thinking Dispositions and Trust in Sources of Information about Food Risks</td>
</tr>
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<td>Darnell Towns, John C. Ricketts and Enefiok Ekanem</td>
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**Wednesday, June 26, 2013 • 2:00 – 3:30 p.m.**

### Crossing Disciplinary Boundaries

**Assembly Hall**

<table>
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<tr>
<th>Time</th>
<th>Submission ID</th>
<th>Title and Author(s)</th>
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<tbody>
<tr>
<td>2:00 p.m.</td>
<td>2013-0141</td>
<td>Trials and Triumphs of Delivering an Interdisciplinary Program: Spanish for the Agricultural Sciences</td>
</tr>
<tr>
<td></td>
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<td>Melanie Miller Foster and Alex Skucek</td>
</tr>
<tr>
<td>2:15 p.m.</td>
<td>2013-0142</td>
<td>Crossing Discipline Boundaries: The Role of Gamma Sigma Delta Honor Society of Agriculture: Past, Present and Future?</td>
</tr>
<tr>
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<td>Dennis Brink, Charlene Wolf-Hall, John B. Riley, Mike Brugger, Navam Hettiarachchy and Ed Rister</td>
</tr>
</tbody>
</table>
### Oral Presentations

**Wednesday, June 26, 2013 • 2:00 – 3:30 p.m. (continued)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Submission ID</th>
<th>Title and Author(s)</th>
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<tbody>
<tr>
<td>2:30 p.m.</td>
<td>2013-0169</td>
<td>Sharing What Works: Best Practices of Collegiate Agricultural Student Organizations</td>
</tr>
<tr>
<td></td>
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<td>Kristopher M. Elliott and Misty D. Lambert</td>
</tr>
<tr>
<td>2:45 p.m.</td>
<td>2013-0201</td>
<td>Interdisciplinary Soft Skills: A Model for Integrating Public Speaking into Science-based Courses to Reduce Public Speaking Anxiety</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chris Morgan, Nick Fuhrman, Milton Newberry and Sarah DeLoach</td>
</tr>
<tr>
<td>3:00 p.m.</td>
<td>2013-0236</td>
<td>Using Visuals to Facilitate Interdisciplinary Learning</td>
</tr>
<tr>
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<td>Maria Navarro</td>
</tr>
<tr>
<td>3:15 p.m.</td>
<td>2013-0274</td>
<td>Crossing Disciplinary Boundaries with Industry and University Students</td>
</tr>
<tr>
<td></td>
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<td>Chelsea Geiger, Dana Penrice, Craig Wilkinson and Martin Zuidhof</td>
</tr>
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### Experiential Partnerships

**Smithfield Room**

<table>
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<tr>
<th>Time</th>
<th>Submission ID</th>
<th>Title and Author(s)</th>
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<tbody>
<tr>
<td>2:00 p.m.</td>
<td>2013-0020</td>
<td>Post-Graduation Community Engagement Habits of Service-learning Course Participants</td>
</tr>
<tr>
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<td>D. Knauft, S. Brackmann, S. Wilder and D. Berle</td>
</tr>
<tr>
<td>2:15 p.m.</td>
<td>2013-0031</td>
<td>Scientists in the Schools: Engaging Alaska Students in Marine Science Through an Innovative Teacher-Scientist Partnership</td>
</tr>
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<td></td>
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<td>Jance M. Straley</td>
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<tr>
<td>2:30 p.m.</td>
<td>2013-0069</td>
<td>Application of Service-Learning in two Courses for a Hands-on, Minds-in, and Hearts-felt Educational Experience</td>
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<td>Julie Grossman, Michelle Schroeder-Moreno, K. S. U Jayaratne and Sarah Smith</td>
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<tr>
<td>2:45 p.m.</td>
<td>2013-0133</td>
<td>Challenges and Opportunities in Developing the Student Farm as an Educational Resource: A Nationwide Delphi Study on Student Farms</td>
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<td>Stephen Ratasky, Michelle Schroeder-Moreno and K.S.U. Jayaratne</td>
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<td>3:00 p.m.</td>
<td>2013-0188</td>
<td>Service Learning: An Avenue for Outreach, Recruitment and Training</td>
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<td>Stacey Darling-Novak and Jay Jones</td>
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<tr>
<td>3:15 p.m.</td>
<td>2013-0275</td>
<td>Community: In and Outside the Classroom</td>
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<td>Airell G.C. DesLauriers, Martin J. Zuidhof and Frank E. Robinson</td>
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### Technology
**Drillfield Room**

<table>
<thead>
<tr>
<th>Time</th>
<th>Submission ID</th>
<th>Title and Author(s)</th>
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<tbody>
<tr>
<td>2:00 p.m.</td>
<td>2013-0005</td>
<td>Creating Digital Learning Objects Using iPads to Enhance Traditional Courses</td>
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<td>Jeremy M. D'Antoni, Joseph E. Mehlhorn, Scott Parrott and Sandy Mehlhorn</td>
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<tr>
<td>2:15 p.m.</td>
<td>2013-0063</td>
<td>Twitter in the Classroom: A Comparative Case Study</td>
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<td>Melanie Miller Foster, Kortney Sherbine and Daniel Foster</td>
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<td>2:30 p.m.</td>
<td>2013-0139</td>
<td>Smart Pens for Group Discussions and Assignments</td>
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<td>Tracy A.O. Dougher</td>
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<td>2:45 p.m.</td>
<td>2013-0203</td>
<td>College Students' perceptions of Foodborne Illness Related Tweet Credibility Based on Features and Sources</td>
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<td>Caroline K. Black, Tracy Rutherford and Lori Moore</td>
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<td>3:00 p.m.</td>
<td>2013-0249</td>
<td>A Pinteresting Possibility: Using Social Bookmarking To Promote Student Learning</td>
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<td>Courtney Gibson, Chelsey Ahrens and Erica Irlbeck</td>
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<tr>
<td>3:15 p.m.</td>
<td>2013-0273</td>
<td>Can I &quot;Friend&quot; You? Social Media Uses by Students in an Agricultural Student Orientation Course</td>
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<td>Cody Cramer and Shelly Peper Sitton</td>
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### Recruitment/Retention
**Cascades Room**

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<tbody>
<tr>
<td>2:00 p.m.</td>
<td>2013-0007</td>
<td>Progression of Undergraduate Student Advising Needs</td>
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<td>Caryn Filson and Susie Whittington</td>
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<tr>
<td>2:15 p.m.</td>
<td>2013-0147</td>
<td>The Relationship of Professor/Student Rapport with Undergraduate Students' Change in Motivation and Engagement</td>
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<td>Christopher M. Estepp and T. Grady Roberts</td>
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<td>2:30 p.m.</td>
<td>2013-0179</td>
<td>Examining College Transfer Student Integration: A Case Study Approach</td>
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<td>Adam A. Marx and Jon C. Simonsen</td>
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<td>2:45 p.m.</td>
<td>2013-0224</td>
<td>The Necessary Social Dynamic Needed in Student Recruitment</td>
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<td>Marcus Pollard and Nicholas E. Fuhrman</td>
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<td>3:00 p.m.</td>
<td>2013-0254</td>
<td>Impact of a STEM Program on Retention and Success of High Potential, High Performing Underrepresented Students</td>
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<td>Pamala V. Morris and John Patterson</td>
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### Oral Presentations

**Pedagogy Strategies**  
Solitude Room

<table>
<thead>
<tr>
<th>Time</th>
<th>Submission ID</th>
<th>Title and Author(s)</th>
</tr>
</thead>
</table>
| 2:00 p.m.  | 2013-0004     | Mitigating the Misery: Using an Application and Reflection Sequence to Reduce Student Anxiety in a Graduate-Level Applied Statistics Course  
Alyx M. Shultz                                           |
| 2:15 p.m.  | 2013-0087     | Comparing Multiple Intelligences of College Instructors and Their Students  
C.A. Allen and W.L. Hurley                              |
| 2:30 p.m.  | 2013-0118     | An Examination of Student Learning: Test Preparation and Test Anxiety  
Martie Gillen                                           |
| 2:45 p.m.  | 2013-0125     | Innovative Classroom Strategies that Prepare Graduates for Success in the Workplace  
Richard J. Rateau, Eric K. Kaufman and D. Adam Cletzer   |
| 3:00 p.m.  | 2013-0145     | The Development of Best Practices in Mentoring Undergraduate Research  
Christopher M. Estepp, Byron C. Housewright and Mary R. Bennett |
| 3:15 p.m.  | 2013-0164     | Preparing to Teach Agricultural Education: An Examination of Student Teachers'Instructional Plans and Planning  
Wendy J. Warner and Joy M. Marshall                     |

**Pedagogy Strategies and Technology**  
Duckpond Room

<table>
<thead>
<tr>
<th>Time</th>
<th>Submission ID</th>
<th>Title and Author(s)</th>
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</table>
| 2:00 p.m.  | 2013-0001     | An Analysis of Technologically Enhanced Learning Environments in the Agricultural Sciences  
Jaron Jones, Antoine Alston, Chastity W. English and Godfrey Gayle |
| 2:15 p.m.  | 2013-0091     | Precision Agriculture Technology Troubleshooting Curriculum Development: Cooperation and Collaboration with the Agricultural Equipment Industry  
Royce Hatch, Michael L. Pate, Bruce Miller and Richard Beard |
| 2:30 p.m.  | 2013-0225     | The Relationship between Socialization, Persistence to Complete and Campus or Online Program Type of College of Agriculture Master's Students  
Danielle E Hammond and Candice A. Shoemaker                |
## Oral Presentations

### Thursday, June 27, 2013 • 10:30 a.m. – Noon

#### Crossing Disciplinary Boundaries

**Assembly Hall**

<table>
<thead>
<tr>
<th>Time</th>
<th>Submission ID</th>
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<tbody>
<tr>
<td>10:30 a.m.</td>
<td>2013-0008</td>
<td>GoFarm Hawaii: Multi-campus, Interdisciplinary Farmer Training with Public/Private Support                                                            Steven Chiang</td>
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<tr>
<td>10:45 a.m.</td>
<td>2013-0089</td>
<td>Crossing Disciplinary Boundaries: Getting Small Groups to Actually Work in the Classroom                                                              Gary Moore</td>
</tr>
<tr>
<td>11:00 a.m.</td>
<td>2013-0159</td>
<td>Bringing Disciplines Together: Using the PERT Model to Reinforce Transdisciplinary Concepts during an Intensive Student Camp Experience             Matthew J. Shultz and W. Wade Miller</td>
</tr>
<tr>
<td>11:15 a.m.</td>
<td>2013-0193</td>
<td>Models for Teaching Interdisciplinary Biofuels Science: A Multi-pronged Approach                                                                     Kateel Shetty, Nina De La Rosa, Krishnaswamy Jayachandran and Mahadev Bhat</td>
</tr>
<tr>
<td>11:30 a.m.</td>
<td>2013-0230</td>
<td>Extending the teaching mission of a land grant university: Incorporating an interdisciplinary capstone experience with an Extension program         S. Dee Jepsen and Andrew J. Mann</td>
</tr>
<tr>
<td>11:45 a.m.</td>
<td>2013-0251</td>
<td>Crossing Disciplinary Boundaries: The Case of the Honors Interdisciplinary Studies Major                                                            Maria Navarro</td>
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#### Diversity and Cultural

**Smithfield Room**

<table>
<thead>
<tr>
<th>Time</th>
<th>Submission ID</th>
<th>Title and Author(s)</th>
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<tbody>
<tr>
<td>10:30 a.m.</td>
<td>2013-0015</td>
<td>Exploring Educational Attainment of Undergraduate Minority Students in Land-Grant Institutions                                                   Lisa S. Hightower, Hao Lu, Mary A. Marchant, Eric Vance, William Richardson, Eric Smith and Tim P. Mack</td>
</tr>
<tr>
<td>10:45 a.m.</td>
<td>2013-0050</td>
<td>Use of Multimedia to Increase Comprehension in an Introductory STEM Course                                                                       Tim G. Rozell, Ashley E. Rhodes and Jessica G. Winkler</td>
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<tr>
<td>11:00 a.m.</td>
<td>2013-0037</td>
<td>Chinese Students, American Classrooms: Lessons Learned from a Teaching and Learning Circle at Iowa State University                                    Ann Marie VanDerZanden, Jay Newell and Alli Mu</td>
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## Oral Presentations

**Thursday, June 27, 2013 • 10:30 a.m. – Noon**

<table>
<thead>
<tr>
<th>Time</th>
<th>Submission ID</th>
<th>Title and Author(s)</th>
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<tbody>
<tr>
<td>11:30 a.m.</td>
<td>2013-0090</td>
<td>Nuts and Bolts of Freshman Orientation: Preparation for Life for Generation iY. Dana J. Minihan and Kevin J. Donnelly</td>
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<tr>
<td>11:45 a.m.</td>
<td>2013-0093</td>
<td>Assessment of the Multicultural Scholars Program at [State] State University Aaron J. McKim, Kate Field, Wanda Crannell, Larry Curtis, Dave Stone and Jonathan J. Velez</td>
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### Leadership

**Drillfield Room**

<table>
<thead>
<tr>
<th>Time</th>
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<th>Title and Author(s)</th>
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<tbody>
<tr>
<td>10:30 a.m.</td>
<td>2013-0010</td>
<td>Building Capacity in Virginia 4-H State Cabinet Leaders Tonya T. Price and Billie Jean Elmer</td>
</tr>
<tr>
<td>10:45 a.m.</td>
<td>2013-0028</td>
<td>A Framework for Leadership Development Curricula for Ag Advocates in the College of Agricultural Sciences at [State] University Rebecca Heilman, John Ewing, Rama Radhakrishna and Mark Threeton</td>
</tr>
<tr>
<td>11:00 a.m.</td>
<td>2013-0076</td>
<td>ILFI-Wheel: An Innovative Leadership Assessment Aaron McKim, Jonathan J. Velez, Jon C. Simonsen and Robert J. Birkenholz</td>
</tr>
<tr>
<td>11:15 a.m.</td>
<td>2013-0077</td>
<td>Identifying the Needs in a Leadership Development Program Aaron J. McKim, Jonathan J. Velez and Jon C. Simonsen</td>
</tr>
<tr>
<td>11:30 a.m.</td>
<td>2013-0084</td>
<td>Leadership Academy: A Model for Meeting the Leadership Needs of College of Agriculture Students Tyson Sorensen, Kellie Strawn, Aaron McKim and Jonathan Velez</td>
</tr>
<tr>
<td>11:45 a.m.</td>
<td>2013-0183</td>
<td>The Benefits of Structured Reflection as Part of Adult Leadership Programming Avery Culbertson and Hannah Carter</td>
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### Pedagogy Strategies I

**Cascades Room**

<table>
<thead>
<tr>
<th>Time</th>
<th>Submission ID</th>
<th>Title and Author(s)</th>
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<tbody>
<tr>
<td>10:30 a.m.</td>
<td>2013-0013</td>
<td>Science &amp; Religion: Friends or Foes? Michael J. Ellerbrock</td>
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<tr>
<td>10:45 a.m.</td>
<td>2013-0040</td>
<td>Rethinking Course Structure: Student Perceptions of Flipping a Classroom Nathan W. Conner, Christopher T. Stripling, Jessica Blythe, T. Grady Roberts and Nicole L. P. Stedman</td>
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</table>
### Oral Presentations

<table>
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<th>Time</th>
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<tbody>
<tr>
<td>11:00 a.m.</td>
<td>2013-0158</td>
<td>Teaching the Unknown Through Flipped Classroom Techniques&lt;br&gt;Emily Buck and Jeff Hattey</td>
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<tr>
<td>11:15 a.m.</td>
<td>2013-0180</td>
<td>Flip It or Flop It: Semi-flipping Classes to Promote Student Engagement&lt;br&gt;Courtney Gibson and Erica Irlbeck</td>
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<tr>
<td>11:30 a.m.</td>
<td>2013-0231</td>
<td>The Paradox of Structure: What is the Appropriate Amount of Structure for Course Assignments with Regard to Students’ Problem-Solving Styles?&lt;br&gt;Curtis R. Friedel and Megan M. Seibel</td>
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<tr>
<td>11:45 a.m.</td>
<td>2013-0250</td>
<td>High School Students Learn about GMOs Using an Inquiry-driven Case Study&lt;br&gt;Melissa L. Welsh, Anne V. Brown, Elisabeth Svedin and Neil A. Knobloch</td>
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### Pedagogy Strategies II

**Solitude Room**

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<tr>
<td>10:30 a.m.</td>
<td>2013-0071</td>
<td>Outcomes/Reflections of Student Poster Presentations at National and International Scientific Conferences&lt;br&gt;Ingelia White</td>
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<tr>
<td>10:45 a.m.</td>
<td>2013-0181</td>
<td>College Student Disengagement based on Motivation and Values Toward an Education&lt;br&gt;Adam A. Marx and Jon C. Simonsen</td>
</tr>
<tr>
<td>11:00 a.m.</td>
<td>2013-0235</td>
<td>Behaviorism and Constructivism in Animal Science Laboratory Classes; Evaluated by Skill Performance, Student Confidence, and Heart Rate&lt;br&gt;A.E. Lowrey, J.A. West, K.K Turner, D.W. Duncan, N.E. Fuhrman and C.R. Dove</td>
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<tr>
<td>11:15 a.m.</td>
<td>2013-0237</td>
<td>Factors Impacting Female Students’ Decision to Enroll in an Agricultural College&lt;br&gt;E.J. Carter, D.W. Duncan, N.E. Fuhrman and K.J. Rucker</td>
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<tr>
<td>11:30 a.m.</td>
<td>2013-0261</td>
<td>Cross Disciplinary Boundaries by Hosting the NACTA Conference&lt;br&gt;Bonnie Walters and Tim Buttles</td>
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### Technology

**Duckpond Room**

<table>
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<tr>
<th>Time</th>
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<tr>
<td>10:30 a.m.</td>
<td>2013-0014</td>
<td>Integrating Web-based Student Response Systems in the Classroom:&lt;br&gt;Krystal Drysdale and Orlen Grunewald</td>
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# Oral Presentations

## Thursday, June 27, 2013 • 10:30 a.m. – Noon (continued)

<table>
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<tr>
<th>Time</th>
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<tr>
<td>10:45 a.m.</td>
<td>2013-0127</td>
<td>Developing Reflective Practitioners through VoiceThread Technology</td>
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<td>Laura L. Sankey Rice and Daniel D. Foster</td>
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<tr>
<td>11:00 a.m.</td>
<td>2013-0157</td>
<td>Google Hangouts: Keeping Connected through Technology</td>
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<td>Caroline A. Sheffield, Wendy J. Warner and D. Barry Croom</td>
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<tr>
<td>11:15 a.m.</td>
<td>2013-0241</td>
<td>Assessment of Students’ Crisis Communications Skill Increase based on Classroom Instruction and Second Life™ Training</td>
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<td>Leslie D. Edgar, Don W. Edgar, Jessica England, Tracy Rutherford, David Doerfert and Theresa Pesl Murphrey</td>
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<tr>
<td>11:30 a.m.</td>
<td>2013-0195</td>
<td>Usability of a Virtual World for Education: Implications for Teaching in Colleges of Agriculture</td>
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<td>Theresa Pesl Murphrey, Tracy A. Rutherford, David L. Doerfert, Leslie D. Edgar and Don W. Edgar</td>
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## Friday, June 28, 2013 • 10:30 a.m. – Noon

### University Leadership

Assembly Hall

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<thead>
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<tbody>
<tr>
<td>10:30 a.m.</td>
<td>2013-0003</td>
<td>Campus-Wide Participatory Planning: Moving Quickly from Thought to Action</td>
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<td>Blake H. Thomas and Roslynn Brain</td>
</tr>
<tr>
<td>10:45 a.m.</td>
<td>2013-0218</td>
<td>Climate for Teaching in Participating APLU Institutions</td>
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<td>Jeremy M. Falk, Kattlyn J. Wolf, Shannon Blickenstaff, Daniel D. Foster, Laura Sanky-Rice and John Foltz</td>
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<td>11:00 a.m.</td>
<td>2013-0220</td>
<td>Partnerships in Fisheries Technology: Building Our Leaders of Tomorrow in Fisheries and Ocean Sciences Through Collaboration Between Industry, Management and Academia</td>
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<td>Jeffrey M. Johnston, Kate Sullivan and Jim Seeland</td>
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<td>11:15 a.m.</td>
<td>2013-0227</td>
<td>A Strategic Planning Process to Increase Student Engagement</td>
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<td>Michelle Mullins Santiago, Foy D. Mills Jr. and L.A. Wolfskill</td>
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<tr>
<td>11:30 a.m.</td>
<td>2013-0248</td>
<td>Developing a New College Mission Statement</td>
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<td>Kelsey Hall, Camille Kalkman and Rebecca Lawver</td>
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### Experiential Study Abroad

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<tbody>
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<td>10:30 a.m.</td>
<td>2013-0137</td>
<td>Cultural Adaptation: Study Abroad in Swaziland</td>
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<td>Nathan W. Conner and T. Grady Roberts</td>
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<tr>
<td>10:45 a.m.</td>
<td>2013-0171</td>
<td>Students Speak Out: How Should Universities Prepare Students for Study Abroad Experiences?</td>
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<tr>
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<td>Sarah DeLoach, Nicholas Fuhrman, Dennis Duncan and Marta Hartmann</td>
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<td>11:00 a.m.</td>
<td>2013-0173</td>
<td>Collaborative Online International Learning</td>
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<td>Matt Spindler and Florence Obiageli Ifeanieze</td>
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<td>11:15 a.m.</td>
<td>2013-0216</td>
<td>Project Imuris: An International Microteaching Experience</td>
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<td>Edward A. Franklin</td>
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<td>11:30 a.m.</td>
<td>2013-0232</td>
<td>Joys and Discomforts of Multi-institutional Collaborative Global Education</td>
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<td>Daniel D. Foster, R. Kirby Barrick and Melanie J. Foster</td>
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### Pedagogy Strategies

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<tr>
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<td>10:30 a.m.</td>
<td>2013-0024</td>
<td>Is there a Relationship Between Test Review, Sample Test, and Test Performance?</td>
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<td>Rama Radhakrishna, Brad Olson and John Ewing</td>
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<td>10:45 a.m.</td>
<td>2013-0156</td>
<td>Predicting the Quality of an Undergraduate Course Using the IDEA Survey</td>
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<td>Mark Anderson, Kyle Stutts, Marcy Beverly and Stanley Kelley</td>
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<td>11:00 a.m.</td>
<td>2013-0175</td>
<td>Managing Individualized Capstone Experiences in a Large Department</td>
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<td>11:15 a.m.</td>
<td>2013-0177</td>
<td>A Picture is Worth a Thousand Words: Low Stakes Assessments</td>
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<td>David Jones</td>
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<td>11:30 a.m.</td>
<td>2013-0226</td>
<td>Integrating Experiential Learning and its Assessment to enhance Student Learning</td>
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<td>Kulbhushan Grover and Shelly Stovall</td>
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<td>11:45 a.m.</td>
<td>2013-0258</td>
<td>Speed Selling as an Oral Exercise in Evaluation Classes</td>
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<td>J. S. McCann</td>
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| 20     | 2013-0209     | 1        | Interdisciplinary Service Learning: Strategies for success  
Sarah K. Hanks and Nicholas A. Clegorne |
| 21     | 2013-0210     | 1        | Art Appreciation vs. Craft: A New Approach to Floral Design as a Creative Arts Course  
Dwayne Pavelock, Sharon Frey, Stanley Kelley and Marsha Harman |
| 22     | 2013-0240     | 1        | Developing a New College Name Through Faculty and Stakeholder Input  
Rebecca G. Lawver and Kelsey Hall |
| 23     | 2013-0244     | 1        | Mentoring Student Interns in Farm-to-Fork Opportunities  
Kelsey Hall, Jennifer Reeve and Tamara Steinitz |
| 24     | 2013-0252     | 1        | Addressing Opportunities in Forestry and Natural Resources at an 1890 Land Grant Institution  
Christopher Catanzaro and Greg Frey |
| 25     | 2013-0263     | 1        | Agricultural Literacy in the U.S.  
Althea Whitter-Cummings and Rick Rudd |
| 26     | 2013-0270     | 1        | Inspiring 7 to 12 Graders by Connecting A-STEM Nanotechnology to Virginia SOLs and Society  
Godwin O. Mbagwu, Grace M. Ndip, Daniel T. Stoelting, Hua Shen, Stephanie Ellis and Bree Taylor |
| 27     | 2013-0272     | 1        | The VT/IALR Molecular Plant Science Summer Camp; Hands-on Research and Residential Experiences for Rising Seniors in Southside Virginia  
Scott Lowman, Jerzy Nowak, Stephanie Hudson and Bingyu Zhao |
| 28     | 2013-0182     | 1,2      | A Multidisciplinary Approach to Improve Critical Thinking and Scientific Writing in an Introductory Environmental Science Class  
Jessica Braswell and Greg D. Pillar |
| 29     | 2013-0245     | 1,2      | Integrating Outputs of the Poultry and Egg Education Project (PEEP) into a Program Development and Evaluation Course  
John C. Ricketts, Sandria Godwin, Edgar Chambers and Sheryl C. Cates |
| 30     | 2013-0178     | 1,2,3    | Who Let the Dogs Out? The Influence of Guide Dogs on the Teaching and Learning Experience of Students and Faculty  
Jason Ro, John Lee and Nicholas E. Fuhrman |
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| 31     | 2013-0211     | 1,3,5    | Engaging Community Stakeholders in Multidisciplinary Agricultural Education Program Delivery  
Jeremy Falk, Douglas Masser and Daniel Foster |
| 32     | 2013-0052     | 6, 1     | Soils, Land Use and Climate Change: A New Baccalaureate Concentration which Crosses Disciplinary Boundaries  
| 33     | 2013-0019     | 5, 1     | Incorporating Multi-Disciplinary Cooperation Through Student Research Projects  
Sandy Mehlhorn, Jason Roberts and Chris Karmosky |
| 34     | 2013-0202     | 2,5      | College Students' use of Twitter and Perceptions of Credibility Features  
Caroline K. Black, Tracy Rutherford and Lori Moore |
| 35     | 2013-0293     | 2        | Club de Agro-Microbíos: An Interdisciplinary Effort to Promote Agricultural Microbiology at Public Schools of Puerto Rico  
Lydia I. Rivera Vargas, Patricia Ortiz Bermudez, Merari Feliciano and Leyda Ponce de León |

Wednesday, June 26, 2013 • 3:30 – 4:30 p.m.
Innovative Teaching Approaches
Latham Ballroom D, E, F

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| 1      | 2013-0009     | 2        | Using Student Teams for Experiential Learning Opportunities  
Sandy A. Mehlhorn and Joey Mehlhorn |
| 2      | 2013-0012     | 2        | Enhancing Civic Engagement Through International Agriculture Travel Study  
S.A. Mehlhorn and J.E. Mehlhorn |
| 3      | 2013-0018     | 2        | Faculty and Undergraduate Education: Teaching Interdisciplinary Research Through the Fellows Research Program  
Jeremy M. D'Antoni, Sandy Mehlhorn, Timothy N. Burcham and Jason Roberts |
| 4      | 2013-0025     | 2        | Using Video Modules to Help Students Solve Agronomic Calculations  
Samantha Ambrose and Sarah Lancaster |
| 5      | 2013-0026     | 2        | A Day in the Life of a Manager: An Experiential Learning Project  
Maud Roucan-Kane, L. A. Wolfskill and Julie Cooper |
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| 6      | 2013-0027     | 2        | The Evolution of Teaching Technology in Graduate Online Programs  
|        |                |          | J.E. Mehlhorn, T.N. Burcham, S.A. Mehlhorn and S.Parrott |
| 7      | 2013-0033     | 2        | Engaging Students in Service Learning Through a Landscape Development Project  
|        |                |          | Michael R. Mohney, Martin R. McGann and Dan T. Stearns |
| 8      | 2013-0038     | 2        | ThinkSpace 2.0: An Online Teaching and Learning Platform for Case Based Learning  
|        |                |          | Ann Marie VanDerZanden |
| 9      | 2013-0042     | 2        | Retaining Students and Supporting Instruction in Science-Intensive Undergraduate Programs through Innovative Media  
|        |                |          | April Ulery, Barbara Chamberlin and Jeanne Gleason |
| 10     | 2013-0043     | 2        | A Virtual Coffee Shop as a Catalyst for Providing Agricultural Extension Education for Tennessee Landowners  
|        |                |          | Solomon Haile and Latif Lighari |
| 11     | 2013-0047     | 2        | Increasing Students' Attendance at Career Fairs  
|        |                |          | Maud Roucan-Kane, L. A. Wolfskill and Julie Cooper |
| 12     | 2013-0048     | 2        | The Welcome to Class Speech: The Doe's and Don'ts according to university students  
|        |                |          | Maud Roucan-Kane, L. A. Wolfskill and Julie Cooper |
| 13     | 2013-0056     | 2        | Hybrid Learning in the Food Science Curriculum Through the Use of an In-Class Assessment Tool  
|        |                |          | Drs. Paul J. Sarnoski and Maurice R. Marshall |
| 14     | 2013-0060     | 2        | Educational Projects as an Strategy to Innovate Teaching at National Agrarian University La Molina, Peru  
|        |                |          | Carlos Gomez, Silvia Morales and Jan Elen |
| 15     | 2013-0072     | 2        | SWIPE Out Hungers Service-Learning Project  
|        |                |          | Jean Gleichsner |
| 16     | 2013-0080     | 2        | Theory to Practice: Boot Camp – A Unique Capstone Course for Pre Service Agriculture Teachers Prior to Student Teaching  
<p>|        |                |          | A. A. Granata, P. M. Fravel, S. G. Lawrence and T. R. Dobbins |</p>
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<td>Food Safety and Agroterrorism Training: Educating Our Future Workforce&lt;br&gt;Doug Morrish, P. Ryan Saucier and Nora Garza</td>
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<td>Is There a Significant Difference? A Comparison of Student Learning Outcomes in Face-to-Face and Online Courses&lt;br&gt;K. S. U. Jayaratne and Gary Moore</td>
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<td>Agriculture Faculty Mentoring: Serving the Leadership Needs of Undergraduate Students&lt;br&gt;Tyson Sorensen, Kellie Strawn, Aaron McKim and Jonathan Velez</td>
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<td>Reaching the Unreached: An Innovative Approach to Recruiting Students&lt;br&gt;Tyson Sorensen</td>
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<td>Crossing Disciplinary Boundaries Using a BRIDGE: Building Research Interest and Developing Global Engagement.&lt;br&gt;Kimberly D. Gwinn, Joanne Logan, Aggy Vanderpool and Caulea A. Beyl</td>
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<td>Food Safety in Agritourism – From Seed to Table&lt;br&gt;Janice Branson and Melinda Anderson</td>
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<td>Increasing Horticulture Based Outreach and Extension Program Activities by Delaware Cooperative Extension&lt;br&gt;Rose Ogutu, Andy Wetherill, Troy Darden, John Clendaniel and Maggie Moor-Orth</td>
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<td>Virtual Nursery Field Trips to Improve Instruction in Nursery Production&lt;br&gt;Amy Wright, Jim Robbins and Mengmeng Gu</td>
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<td>Using Reflective Journals to Gain Insight into an Agricultural Communication Intensive Study Tour&lt;br&gt;Amanda Northfell, Leslie D. Edgar and Jefferson D. Miller</td>
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<td>Activities for Teaching Undergraduate Social Science Research Methods&lt;br&gt;Martie Gillen</td>
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<td>Preparing for the Transformative Learning Experience: Teacher Candidate Summative Reflection Presentations&lt;br&gt;Daniel D. Foster, Laura L. Sankey Rice and John C. Ewing</td>
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| 29     | 2013-0130     | 2        | Will Work for Food: Utilizing Graduate Students in Advising Undergraduate Student Organizations  
Caryn Filson and Julie Robinson |
| 30     | 2013-0136     | 2        | Interdisciplinary Intramural Practice: Instrumental in the Development of Entrepreneurship and Transferable Skills for Students of Agricultural Sciences  
Gladys M. Gonzalez and Angel L. Gonzalez |
| 31     | 2013-0140     | 2        | Promoting Language Acquisition in a Contextually Relevant Undergraduate Course via Microblogging  
Melanie Miller Foster |
| 32     | 2013-0144     | 2        | Experiential-Based Learning For Beef Production: Internships To Build Case Studies  
Dennis Brink, Dennis Burson, Tom Field, Dann Husmann, Bryan Reiling, Walter Schacht and Matt Spangler |
| 33     | 2013-0146     | 2        | Teaching Soft Skills to Undergraduate Agriculture Students  
Makenna Lange and Erica Irlbeck |
| 34     | 2013-0106     | 5, 4     | Cutting Final Cut: Replacing Discontinued Software for a Video Editing Lab  
Amanda Garcia and Erica Irlbeck |
| 35     | 2013-0154     |          | Understanding Alumni at [University] for Increased Alumni Association Membership and Involvement  
Faith Jurek, Robert Jones, Chancy Price, Brent Aiken and Erica Irlbeck |
| 36     | 2013-0148     | 2        | Fostering Critical Thinking Skills through Use of Reflections in an Undergraduate Agricultural Issues Course  
Christopher M. Estepp |
| 37     | 2013-0149     | 2        | In-Class Team Application Exercises and their Impact on Information Retention  
Lisa Orgler |
| 38     | 2013-0215     | 2        | College of Agriculture and Life Sciences Graduate Teaching Scholars Program Opens New Doors for Future Faculty Candidates  
Courtney Vengrin, Gabrielle Fundaro, Mara Grossman, Matt Schroeder, Jason Smith, Dan Tekiela, Liyun Ye and Donna Westfall-Rudd |
# Posters

**Thursday, June 27, 2013 • 9:30 – 10:30 a.m.**

**Learning Outcomes Assessment**  
Latham Ballroom D, E, F

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| 1      | 2013-0185     | 2,3      | Comparison of Student Blogs at the Beginning and End of an International Experience  
Jennifer Minick Bormann, Teresa L. Douthit, and Scott L. Schaake |
| 2      | 2013-0186     | 2,3      | Blogging as a Tool for Assessment during an International Experience  
Teresa Douthit, Jennifer Bormann and Scott Schaake |
| 3      | 2013-0011     | 3        | Student Perceptions of Varied Assignments in an Online Greenhouse Production Class  
Kimberly Moore |
| 4      | 2013-0065     | 3        | Students’ Perception of their Decision to Enroll in Agricultural Education  
Katrina Ann Swinehart |
| 5      | 2013-0078     | 3        | Evaluating Student Learning Using Traditional Testing or Daily Quizzes  
Laura M. White |
| 6      | 2013-0079     | 3        | Crossing Disciplinary Boundaries by Sharing Learning Objects  
Carol Speth and Donald Lee |
| 7      | 2013-0105     | 3        | Student Perceptions of a Plus/Minus Grading System  
Donna L. Graham, Donald M. Johnson, Leslie D. Edgar and Bruce L. Dixon |
| 8      | 2013-0123     | 3        | Undergraduate Research Experiences in Sustainable Agriculture: Students and Mentors Perceptions of Interns’ Skills  
| 9      | 2013-0151     | 3        | Investigating Student Learning and Leadership Development Outcomes in an Undergraduate Leadership Theory Course.  
Lisa Burgoon, David Rosch and Kari Keating |
| 10     | 2013-0155     | 3        | Predicting Instructor Quality in Undergraduate Courses Using the IDEA Survey  
Mark Anderson, Kyle Stutts, Marcy Beverly and Stanley Kelley |

*Crossing Disciplinary Boundaries* 29
### Thursday, June 27, 2013 • 9:30 – 10:30 a.m. (continued)

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| 11     | 2013-0165     | 3        | Teacher Perceptions of Quality of University-level Pre-service Agricultural Mechanics Instruction  
Matthew J. Shultz, Ryan G. Anderson and Thomas H. Paulsen |
| 12     | 2013-0208     | 3        | Comparison of Final Course Grades and Absenteeism in Short and Long Semester Undergraduate Animal Science Courses  
K. J. Stutts, M. M. Beverly and S. F. Kelley |
| 13     | 2013-0246     | 3        | Diversifying Student Enrollment in Colleges of Agriculture through the Recruitment of Latino Students  
Joy M. Marshall and Wendy J. Warner |
| 14     | 2013-0266     | 3        | Selecting Assessment Modalities for a Short-term Study Abroad Course on Indian Wildlife  
Shweta Trivedi |
| 15     | 2013-0212     | 5, 3     | Comparing Academic Achievement of Agriculture Majors With and Without Teaching Certification  
Dwayne Pavelock and Doug Ullrich |
| 16     | 2013-0214     | 5, 3     | Professional Development Needs Assessment of Texas’ Agriculture, Food, and Natural Resources Teachers  
Casey Page, Haley Vrael, Zachary Nowak, Doug Ullrich and Dwayne Pavelock |
| 17     | 2013-0278     | 5, 3     | Improving Student Success Through Professional Development Opportunities  
| 18     | 2013-0045     | 6, 3     | How Do Graduate Students Perceive their Graduate Advisor at Razi University  
Kiumars Zarafshani and Mahsa Sadvandi |
| 19     | 2013-0094     | 6, 3     | Impact of the EARTH Program on Student Development of Personal and Professional Skills  
Cynthia Haynes and Kevin Duerfeldt |
| 20     | 2013-0189     | 6, 3     | The USDA-HSI Program Fosters Professional Development and Research Skills in Undergraduates at the University of La Verne: A Student Perspective  
Roshan N. Gamage, Lila J. Luna and Stacey Darling-Novak |
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<td>Strengthening the Pipeline of Undergraduate Students into the Food Science and Technology Master's Program: A Successful Intervention in a Hispanic Serving Institution</td>
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<td>Application of Hispanic Culture to Food and Nutrition Curriculum Projects Promotes Self-Identity while Disseminating to Wider Audience</td>
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<td>Assessment of Student Attitudes for Hybrid (Traditional and Online) Taught Courses</td>
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<td>Enhancing Cross-cultural Awareness and Critical Thinking through Reflection of Weekly Agribusiness Travel Seminars in a Semester-long Study Abroad</td>
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<td>In the Spotlight: Experiential Learning through a Graduate Student Association Research Conference</td>
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<td>Using a Modified Nominal Group Technique as a Model for Formative Course Evaluation</td>
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<td>Using Mobile Media Pilot Projects to Enhance Student Learning</td>
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<td>It's for the Birds: Building “Classroom Community” one Tweet at a Time. David Jones</td>
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<td>Student Response to Clicker Use in Medium-Size Horticulture Class Mara Grossman, Courtney Vengrin, J. Roger Harris and Donna Westfall-Rudd</td>
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<td>New Mexico Highlands University, Geospatial Applications in Natural Science (GAINS) Lab Petronis, M.S., Lindline, J. and Zebrowski, PJ</td>
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### Friday, June 28, 2013 • 9:30 – 10:30 a.m.

**Scholarly Approach to Teaching**
Latham Ballroom D, E, F

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<td>Relationships of Learning Styles and Educational Preferences Mary Lehman</td>
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<td>Graduate Teaching Assistants’ Teaching Efficacy Christopher T. Stripling, Jessica Poore, Carrie A. Stephens, Christopher M. Estepp</td>
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<td>Evaluation of Student Exam Performance in Relation to Strengths-based Leadership Domain Deborah L. VanOverbeke and Amy R. Gazaway</td>
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<td>Making Climate Change a Functioning Thread in the Baccalaureate Curriculum: Transforming Fiber, Textiles, and Clothing Education Melody LeHew, Cosette Armstrong, Kim Hiller, Gwendolyn Hustvedt and Barbara Anderson</td>
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<td>Enhancing Student Learning with Hands-On Laboratory Exercises and Research Projects in Animal Biotechnology Mahipal SINGH, Xiaoling Ma, Charles Okonkwo, Nagender Degala, Oberziner White, Pushpa Yadav, Eugene Amoah, Will Getz and Curtis Borne</td>
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<td>Test Question Order Effects on Test Taking Time and Score Robert Dove and Kari Turner</td>
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<td>Examining Reflection Among Preservice Agriculture Teachers Wendy J. Warner</td>
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<td>The Impact of 4-H and FFA Member Involvement on College Recruitment Strategies at a Land Grant University E.J. Carter, D.W. Duncan, N.E. Fuhrman and K.J. Rucker</td>
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<td>Management of Plant Parasitic and Beneficial Nematodes with Tropical Cover Crops Valerie H. Henmi and Sharadchandra P. Marahatta</td>
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Participant List

Ozzie Abaye
Virginia Tech
Professor
245 Smyth Hall
Blacksburg, VA 24061

Amr Abd-Elrahman
University of Florida
Assistant Professor
1200 N Park Rd
Plant City, FL 33563

Taylor Adams
Utah State University
Academic Advisor
2300 Old Main Hill
Logan, UT 84322

Amin Ahmadzadeh
University of Idaho
Professor
Mail Stop 2330
875 Perimeter Drive
Moscow, ID 83844-4244

Douglas Airhart
School of Agriculture
Professor of Horticulture
P.O. Box 5034
Cookeville, TN 38505

Caitlin Alberts
5149 Nicholas Creek Circle
Wilmington, NC 28409

Arthur Allen
University of Maryland Eastern Shore
Professor
30921 Martin Court
Princess Anne, MD 21853

Crystal Allen
1658 E 1150 North Road
Homer, IL 61849

Antoine Alston
140 Pine Needles Road
Reidsville, NC 27320

Samantha Ambrose
Oklahoma State University
Graduate Student
368 Agricultural Hall
Stillwater, OK 74078

Angela Anderson
1326 Mockingbird Drive
Blacksburg, VA 24060

Mark Anderson
Sam Houston State University
Dr. Sam Houston State University
Dept. of Agricultural and Industrial Science
Box 2088
Huntsville, TX 77341-2088

Michael Andreu
University of Florida
Associate Professor
P.O. Box 110410
Gainesville, FL 32611

Gary Apgar
Southern Illinois University
Associate Professor
Agriculture Sciences MC 4417
Agriculture 123
Carbondale, IL 62901

Shannon Arnold
Montana State University
Assistant Professor
Division of Ag Education
230 Linfield Hall
Bozeman, MT 59717

Donald Auger
South Dakota State University
Associate Professor
Dept. Biology-Microbiology
SNP251A
Brookings, SD 57007

Jim Baier
School of Agriculture
Assistant Professor of Ag Engineering
P.O. Box 5034
Cookeville, TN 38505

Wayne Banwart
3201 Sandhill Lane
Champaign, IL 61822

Richard Barczewski
Delaware State University
Chair Dept of Ag & Nat Res
1200 North DuPont Highway
Dover, DE 19901-2275

Jacob Barney
Virginia Tech
Assistant Professor
435 Old Glade Road 0330
Blacksburg, VA 24061

Kirby Barrick
University of Florida
Professor
220 Rolfs Hall
P.O. Box 110540
Gainesville, FL 32611-0540

Kelli Batch
West Virginia State University
R&D Corp.
Program Leader
603 Curtis Complex
P.O. Box 1000
Institute, WV 25112

Richard Beard
Utah State University
Professor
ASTE Dept.
2300 Old Main Hill
Logan, UT 84322-2300

Anton Bekkerman
Montana State University
205 Linfield Hall
P.O. Box 172920
Bozeman, MT 59717-2920

Kimberly Bellah
Hutson School of Agriculture
Associate Professor
103 S 16th Applied Science
Murray, KY 42071

Tammy Bennett
Penn State University
Academic Advisor
119 Ag Admin
University Park, PA 16802

Erin Berg
USDA National Institute of Food and Agriculture
Education Program Specialist
800 9TH ST SW
Washington, DC 2024

Jean Bertrand
University of Georgia
CAES Assistant Dean of Academic Affairs
102 Conner Hall
Athens, GA 30602

Marcy Beverly
Sam Houston State University
Associate Professor
Box 2088
Huntsville, TX 77341-2088
Participant List

Crossing Disciplinary Boundaries
Participant List

Winston de la Torre
P.O. Box 3264
Mayaguez, PR 00681

Sarah DeLoach
University of Georgia
Graduate Assistant
400 River Road
Athens, GA 30602

Airell DesLauriers
22 54006 Range Road 261
Sturgeon County, AB T8T 0C1

Robert Dixon
Box 3231
Vermilion, AB T9X 2B2

Sam Doak
Virginia Tech
AT Program
1330 Litton-Reaves Hall (0334)
Blacksburg, VA 24061

Thomas Dobbins
102 Brooks Drive
Townville, SC 29689

Elizabeth Domby
Texas Tech University
Box 42141
Lubbock, TX 79407

Kevin Donnelly
325 N 17th ST
Manhattan, KS 66502

Tracy Dougher
Montana State University
Professor
P.O. Box 173140
314 Leon Johnson Hall
Bozeman, MT 59717-3140

G. Neil Douglas
Berea College
CPO 1862
Berea, KY 40404

Teresa Douthit
Kansas State University
Assistant Professor
129 Weber Hall
Manhattan, KS 66506

Robert Dove
University of Georgia
425 River Road
Department of Animal and Dairy Science, room 248
Athens, GA 30602

Krystal Drysdale
114 S. Manhattan Ave
Manhattan, KS 66502

Kevin Duerrfeldt
Department of Horticulture
106 Horticulture Hall
Iowa State University
Ames, IA 50011

Dennis Duncan
University of Georgia
Professor
141 Four Towers
Athens, GA 30602

Don Edgar
University of Arkansas
Associate Professor
1140 W. Maple
AGRI 205
Fayetteville, AR 72701

Leslie Edgar
University of Arkansas
Associate Professor
1140 W. Maple
AGRI 205
Fayetteville, AR 72701

Billie Jean Elmer
Virginia Cooperative Extension
Sr Extension Agent 4-H Youth Development
P.O. Box 205
Surry, VA 23883

Ann Emmsley
University of Hawaii Maui College
310 W. Kaahumanu Ave
Kahului, HI 96732

Chastity English
North Carolina A&T State University
1601 E. Market Street
242-A Carver Hall
Greensboro, NC 27411

Christopher Estep
Sul Ross State University
Assistant Professor
Box C-11
Alpine, TX 79832

John Ewing
Penn State University
Assistant Professor
215 Ferguson Building
University Park, PA 16802

Jeremy Falk
University of Idaho
875 Perimeter Drive
Mailstop 2040
Agricultural Education
Moscow, ID 83844

William Farmer
9900 Kennebec Church Rd.
Angier, NC 27501

Paula Faulkner
North Carolina A&T State University
Assistant Professor
1601 E. Market Street
A-21 CH Moore Ag Research Facility
Greensboro, NC 27411

Dennis Fennewald
School of Agriculture
Asst. Professor of Animal Science
P.O. Box 5034
Cookeville, TN 38505

Caryn Filson
Ohio State University
Student
2120 Fyffe Road
Columbus, OH 43210

Jim Flowers
NC State University
Professor
Box 7607
Raleigh, NC 27695-7607

Caitlin Foley
831 Jacks Mill Drive
Boalsburg, PA 16827

Amanda Ford
University of Florida
Graduate Student
359 FSHN Building Newell Dr.
Gainesville, FL 32611

Billye Foster
School of Agriculture
715 Quadrangle, South Hall,
Room 145
P.O. Box 5034
Cookeville, TN 38505

Eunice Foster
Michigan State University
Professor
Plant, Soil, and Microbial Sciences PSSB
1066 Bogue Street
East Lansing, MI 48824

38 © NACTA 2013
<table>
<thead>
<tr>
<th>Participant Name</th>
<th>Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Edward Franklin</td>
<td>1127 W. Placita Camillia, Tucson, AZ 85714</td>
</tr>
<tr>
<td>Curt Friedel</td>
<td>Virginia Tech, Assistant Professor, 2270 Litton-Reaves Hall (0343), Blacksburg, VA 24061</td>
</tr>
<tr>
<td>Nick Fuhrman</td>
<td>University of Georgia, Associate Professor, 139 Four Towers, Athens, GA 30602</td>
</tr>
<tr>
<td>Gabrielle Fundaro</td>
<td>1654 Providence Blvd., Christiansburg, VA 24073</td>
</tr>
<tr>
<td>John Galbraith</td>
<td>1206 Glade Road, Blacksburg, VA 24060</td>
</tr>
<tr>
<td>Roshan Gamage</td>
<td>1434 Cambridge Avenue, Upland, CA 91786</td>
</tr>
<tr>
<td>Adrian Garcia</td>
<td>Hartnell College, Ag Student, 411 Central Avenue, Salinas, CA 93901</td>
</tr>
<tr>
<td>Chad Gasser</td>
<td>Southern Utah University, Associate Professor, 351 W University Blvd, Cedar City, UT 84720</td>
</tr>
<tr>
<td>Chelsea Geiger</td>
<td>Box 35, Tawatinaw, AB TOG 2E0</td>
</tr>
<tr>
<td>Courtney Gibson</td>
<td>Texas Tech University, Research Assistant, Box 42131, Lubbock, TX 79409-2131</td>
</tr>
<tr>
<td>Barbara Gilbert</td>
<td>471 Almshouse Road, Doylestown, PA 18901</td>
</tr>
<tr>
<td>Rodney Gilbert</td>
<td>471 Almshouse Road, Doylestown, PA 18901</td>
</tr>
<tr>
<td>Martie Gillen</td>
<td>University of Florida, Assistant Professor, PO Box 110310, Gainesville, FL 32611</td>
</tr>
<tr>
<td>Jean Gleichner</td>
<td>Fort Hays State University, 600 Park St, Agriculture Department, Hays, KS 67601</td>
</tr>
<tr>
<td>Carlos Gomez</td>
<td>una la molina, av universidad sn, La Molina lima, AP456</td>
</tr>
<tr>
<td>Angel Gonzalez</td>
<td>University of Puerto Rico, Professor of Entomology, P.O. Box 9000, Mayaguez, PR 00681</td>
</tr>
<tr>
<td>Gladys Gonzalez</td>
<td>University of Puerto Rico, Professor of Agricultural Economics, P.O. Box 9000, Mayaguez, PR 00681</td>
</tr>
<tr>
<td>Deborah Good</td>
<td>Virginia Tech, Associate Professor, 1981 Kraft Drive 0913, Human Nutrition Foods and Exercise, Blacksburg, VA 24061</td>
</tr>
<tr>
<td>Ashley Granata</td>
<td>133 Costa Lotta Dr, Pickens, SC 29671</td>
</tr>
<tr>
<td>Alan Grant</td>
<td>Virginia Tech, Dean, CALS, 104 Hutcheson Hall (0402), Blacksburg, VA 24061</td>
</tr>
<tr>
<td>Julie Grossman</td>
<td>8 Blue Bottle Ln, Durham, NC 27705</td>
</tr>
<tr>
<td>Mara Grossman</td>
<td>2814 Tall Oaks Drive, Blacksburg, VA 24060</td>
</tr>
<tr>
<td>Orlen Grunewald</td>
<td>2324 Bailey Drive, Manhattan, KS 66502-2733</td>
</tr>
<tr>
<td>Joe Guthrie</td>
<td>6626 Aaron Lane, Dublin, VA 24084</td>
</tr>
<tr>
<td>Kimberly Gwinn</td>
<td>University of Tennessee, Associate Professor, 370 Plant Biotech Building, 2505 EJ Chapman Drive, Knoxville, TN 37996-4560</td>
</tr>
<tr>
<td>Kelsey Hall</td>
<td>Utah State University, Assistant Professor, 2300 Old Main Hill, Logan, UT 84322</td>
</tr>
<tr>
<td>Danielle Hammond</td>
<td>KSU HFRR, 2021 Throckmorton Pint Sci Cntr, Manhattan, KS 66506</td>
</tr>
<tr>
<td>Sarah Hanks</td>
<td>Virginia Tech, Graduate Student, 2270 Litton-Reaves Hall (0343), Blacksburg, VA 24061</td>
</tr>
<tr>
<td>Gail Hansen</td>
<td>2603 NW 104th Court, Gainesville, FL 32606</td>
</tr>
<tr>
<td>Ron Hanson</td>
<td>8130 Dorset Drive, Lincoln, NE 68510</td>
</tr>
<tr>
<td>Pauline Harvey</td>
<td>UAF/Chukchi Campus, Director, P.O. Box 297, Kotzebue, AK 99752</td>
</tr>
<tr>
<td>Fawzy Hashem</td>
<td>University of Maryland Eastern Shore, Associate Professor, 30921 Martin Court, Prince Anne, MD 21853</td>
</tr>
<tr>
<td>Jeffory Hattey</td>
<td>The Ohio State University, 100 Agric. Admin., 2120 Fyffe Rd, Columbus, OH 43210</td>
</tr>
<tr>
<td>Cynthia Haynes</td>
<td>Iowa State University, Associate Professor, Department of Horticulture, 131 Horticulture Hall, Ames, IA 50011</td>
</tr>
<tr>
<td>Ron Heimler</td>
<td>Cal Poly Pomona, Lecturer, Apparel Merchandising and Management Dept., 3801 W Temple Ave, Pomona CA, CA 91768</td>
</tr>
<tr>
<td>Jennifer Helms</td>
<td>315 Reynolds Street Apt A, Blacksburg, VA 24060</td>
</tr>
<tr>
<td>Participant</td>
<td>Address Details</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>---------------------------------------------------------------</td>
</tr>
<tr>
<td>Melissa Hendrickson</td>
<td>184 Berry Patch Road, Hampstead, NC, 28443</td>
</tr>
<tr>
<td>Valerie Henmi</td>
<td>Kauai Community College, 3-1909 Kaumualii Highway, Lihue, HI, 96766</td>
</tr>
<tr>
<td>Lisa Hightower</td>
<td>400 Turner Suite 102, Blacksburg, VA, 24060</td>
</tr>
<tr>
<td>Bill Hoch</td>
<td>Montana State University, 409 Leon Johnson Hall, Bozeman, MT, 59717</td>
</tr>
<tr>
<td>Tracy Hoover</td>
<td>101 AG Admin, University Park, PA, 16802</td>
</tr>
<tr>
<td>Brittany Howell</td>
<td>304 Oak St., La Crosse, KS, 67548</td>
</tr>
<tr>
<td>Trent Hughes</td>
<td>1307 East Dryden, Stillwater, OK, 74074</td>
</tr>
<tr>
<td>William P. Hunter</td>
<td>Pratt Community College, 348 NE State Road 61, Pratt, KS, 67124</td>
</tr>
<tr>
<td>Katharyn Ingersom</td>
<td>4910 Dana Dr., Apt. 9M, Raleigh, NC, 27606</td>
</tr>
<tr>
<td>Erica Irlbeck</td>
<td>Texas Tech University, Ag Ed &amp; Com, Box 42131, Lubbock, TX, 79409</td>
</tr>
<tr>
<td>Anna Isserow</td>
<td>Virginia Tech, Student, 880 Patrick Henry Drive, Blacksburg, VA, 24060</td>
</tr>
<tr>
<td>Lee Ivy</td>
<td>NC State University, Lecturer, Campus Box 7609, Kilgore Hall 124, Raleigh, NC, 27695</td>
</tr>
<tr>
<td>Juan Jauregui</td>
<td>HC 69 Box 7, Sapello, NM, 87745</td>
</tr>
<tr>
<td>Krish Jayachandran</td>
<td>Florida International University, Professor, 11200 SW 8 Street, University Park, FL, 33199</td>
</tr>
<tr>
<td>KSU Jayaratne</td>
<td>NC State University, Associate Professor, Box 7607, Raleigh, NC, 27695-7607</td>
</tr>
<tr>
<td>David Jones</td>
<td>North Carolina State University, Associate Professor, Campus Box 7607, Raleigh, NC, 27695</td>
</tr>
<tr>
<td>Chad Jordan</td>
<td>North Carolina State University, Undergraduate Coordinator, Department of Plant Biology, 2115 Gardner Hall, Box 7612, Raleigh, NC, 27695-7612</td>
</tr>
<tr>
<td>Prasanta Kalita</td>
<td>University of Illinois, 1301 W Gregory Drive, Urbana, IL, 61801</td>
</tr>
<tr>
<td>Eric Kaufman</td>
<td>Virginia Tech, Assistant Professor, 2270 Litton-Reaves Hall (0343), Blacksburg, VA, 24061</td>
</tr>
<tr>
<td>Stanley Kelley</td>
<td>Sam Houston State University, Professor and Chair, Box 2088, Huntsville, TX, 77341-2088</td>
</tr>
<tr>
<td>Josh Kellogg</td>
<td>North Carolina State University, 600 Laureate Way, Kannapolis, NC, 28081</td>
</tr>
<tr>
<td>Rachael Kennedy</td>
<td>Virginia Tech, Graduate Student, 2270 Litton-Reaves Hall (0343), Blacksburg, VA, 24061</td>
</tr>
<tr>
<td>William Kern</td>
<td>University of Florida, Associate Professor, 3205 College Ave., Ft. Lauderdale R. E. C. Davie, FL, 33314</td>
</tr>
<tr>
<td>Peter Kilduff</td>
<td>Cal Poly Pomona, Professor, 3801 W Temple Ave, Pomona, CA, 90768</td>
</tr>
<tr>
<td>Robert King</td>
<td>Monroe Community College, Sr Agriculture Specialist, 1000 E Henrietta Road, Rochester, NY, 14623</td>
</tr>
<tr>
<td>Thomas Kingery</td>
<td>Western Kentucky University, 1906 College Heights Blvd., 41066, Bowling Green, KY, 42101-1066</td>
</tr>
<tr>
<td>David Knaut</td>
<td>University of Georgia, 1111 Miller Plant Sciences Bldg., Athens, GA, 30602</td>
</tr>
<tr>
<td>Anil Kumar Chaudhary</td>
<td>The Pennsylvania State University, Graduate Assistant, 009, Ferguson Building, University Park, PA, 16802</td>
</tr>
<tr>
<td>Misty Lambert</td>
<td>Oregon State University, Assistant Professor, 112 Strand Ag Hall, Corvallis, OR, 97331</td>
</tr>
<tr>
<td>Robert Lane</td>
<td>Sam Houston State University, Professor, Dept of Agricultural and Industrial Sci, Huntsville, TX, 77341-2088</td>
</tr>
<tr>
<td>Teri Lau</td>
<td>Kauai Community College, 3-1901 Kaumualii Highway, Lihue, HI, 96766</td>
</tr>
<tr>
<td>Dale Layfield</td>
<td>Clemson University, Associate Professor, 132 Long Hall, Clemson, SC, 29634</td>
</tr>
</tbody>
</table>
Participant List

Christi Leard
Clemson University
Student Service Program Coordinator
244 McAdams Hall
Clemson, SC 29634

John Lee
University of Georgia
Undergraduate Honors Student
139 Four Towers Bldg
Athens, GA 30602

Jung-lim Lee
Delaware State University
Assistant Professor
1200 N. Dupont Hwy.
Department of Human Ecology.
Dover, DE 19901

Melody LeHew
Kansas State University
Associate Professor
324 Justin Hall
Apparel, Textiles, & Interior Design
Manhattan, KS 66506

Mary Lehman
Longwood University
Professor of Biology
201 High St
Farmville, VA 23909

Ming-Ying Leung
The University of Texas at El Paso
Professor
500 W University Avenue
El Paso, TX 79968

Molly Lewis
Hartnell College
Dir. Community Collaboratives
411 Central Ave
Salinas, CA 93901

Ronald Lewis
Virginia Tech
Professor
Department of Animal & Poultry Sciences
3100 Litton-Reaves Hall (0306)
Blacksburg, VA 24061

Sha Li
2518 Hamilton Dr. SE
Huntsville, AL 35803

Mary Ann Lila
Plants for Human Health Institute, NCSU
Director
North Carolina Research Campus
600 Laureate Way
Kannapolis, NC 28081

Josue Lopez
National Institute of Food and Agriculture
Program Specialist
800 9th Street, SW
Washington, DC 20024

Horacio Lopez-Nicora
Ohio State University
Student
248 Kottman Hall
2021 Coffey Road
Columbus, OH 43210

Aubrey Lowrey
9921 Montauk Ave
Bethesda, MD 20817

Lila Luna
850 Hillside Street
La Habra, CA 90631

Tanner Machado
Texas A&M University-Kingsville
Assistant Professor
1150 Engineering Ave.
MSC 228 Kleberg Ag 133
Kingsville, TX 78363

Greg Madden
Southeast Arkansas College
Department Co-Chair General Studies
1900 S. Hazel St.
Pine Bluff, AR 71603

Dewey Mann
The Ohio State University
590 Woody Hayes Dr
Columbus, OH 43210

Sharadchandra Marahatta
Kauai Community College
University of Hawaii
3-1909 Kaumualii Highway
Lihue, HI 96766

Lurline Marsh
University of Maryland
Eastern Shore Professor
30921 Martin Court
Princess Anne, MD 21853

Joy Marshall
NC State University
Graduate Student
Box 7607
Raleigh, NC 27695-7607

Tom Martin
712 Third Street
Radford, VA 24141

Adam Marx
3206 Blue Grouse Drive
Columbia, MO 65202

Douglas Masser
University of Idaho
Graduate Associate
875 Perimeter Drive MS 2040
Moscow, ID 83844-2040

Godwin Mbagwu
Virginia State University
P.O. Box 9078
Virginia State University, VA 23806

Jim McConnell
Box 5275 UOG Station
Mangilao, GU 96923

Brigid McCrea
Delaware State University
Poultry Specialist Cooperative Extension
1200 N. Dupont Hwy.
Dover, DE 19901

Kim McCuistion
Texas A&M University-Kingsville
Associate Professor
700 University Blvd, MSC 137
Kingsville, TX 78363

Pauline McFall
American Samoa Community College
CNR Instructional Coordinator
P.O. Box 5319
Pago Pago, AS 96799

James McKenna
Virginia Tech
Instructor
1060 Litton-Reaves Hall (0334)
Blacksburg, VA 24061

Aaron McKim
Oregon State University
GTA
112 Strand Ag Hall
Corvallis, OR 97331

Crossing Disciplinary Boundaries © 41
Participant List

Suzie McMullen
Ohio State University
Student
2120 Fyffe Road
Columbus, OH 43210

Casey Meadows
Texas A&M University
Student
2116 TAMU
College Station, TX 77843-2116

John Michael Mehaffey
16745 Highway 59 North
Nacogdoches, TX 75946

Joey Mehlhorn
UT Martin
Professor
Brehm Hall 254
Martin, TN 38238

Sandy Mehlhorn
University of Tennessee at Martin
Assistant Professor
256 Brehm Hall
Martin, TN 38238

Priscilla Millen
94-585 Lumiauau St.
Waipahu, HI 96797

Chad Miller
Kansas State University
Assistant Professor
2607 Throckmorton Plant Sciences
Manhattan, KS 66506

David Miller
4508 Doverbrook
Champaign, IL 61822

Melanie Miller Foster
144 Aikens Place
State College, PA 16801

Foy Mills Jr
Sam Houston State University
Professor and Program Leader
PO. Box 2088
 Huntsville, TX 77341-2088

Dana Minihan
K-State University Agronomy Dept
Instructor
1022 Throckmorton Hall
Manhattan, KS 66506

Sarah Misyak
1230 Tranquility Via
Christiansburg, VA 24073

Michael Mohney
The Pennsylvania State University
Instructor of Landscape Contracting
302 Tyson Building
Univeristy Park, PA 16802

Donna Moore
Virginia Tech
Assistant Professor
AEE
284 Litton-Reaves Hall (0343)
Blacksburg, VA 24061

Gary Moore
316 Coorsdale Drive
Cary, NC 27511

Jeannette Moore
North Carolina State University
Professor
NCSU Box 7621
Raleigh, NC 27695-7621

Kimberly Moore
University of Florida
Professor
3205 College Ave
Davie, FL 33314

Mackenzie Moore
Virginia Tech
Student
4074 Pearman Road
Blacksburg, VA 24060

Chris Morgan
University of Georgia
Assistant Professor
130 Four Towers
Athens, GA 30602

Douglas Morrish
Ag Dept Texas State University
Assoc Professor
601 University Drive
San Marcos, TX 78666

Michael Mullen
North Carolina State University
Vice Chancellor
Academic and Student Affairs
1F Holladay Hall, Box 7301
Raleigh, NC 27695-7301

Brian Myers
University of Florida
Associate Professor and Associate Chair
305 Roifs Hall
PO. Box 110540
Gainesville, FL 32611

Pavli Mykerezi
903 Turner Street NE
Blacksburg, VA 24060

Maria Navarro
University of Georgia
Associate Professor
133 Four Towers
Athens, GA 30602

Edna Negron
University of Puerto Rico
Food Science and Technology Coordinator
259 N Alfonso Valdez Blvd
Ave. LAs Marias
Alfredo Ramirez de Arellano Rosell Bld
Mayaguez, PR 00680

Michael Nicodemus
Abilene Christian University
ACU Box 27986
Abilene, TX 79699

Kim Niewolny
Virginia Tech
Assistant Professor
2270 Litton-Reaves Hall (0343)
Blacksburg, VA 24061

Rose Ogutu
1700 North Dupont Highway
Apt. H 202
Dover, DE 19901

Linda Okior
University of Arkansas at Pine Bluff
Associate Dean
1200 North University Mall Slot 4990
Pine Bluff, AR 71601

Michael Olexa
University of Florida
Professor
PO. Box 110240
Gainesville, FL 32611

Lisa Orgler
Iowa State University
Lecturer
Department of Horticulture
129 Horticulture Hall
Ames, IA 50124
<table>
<thead>
<tr>
<th>Name</th>
<th>Organization</th>
<th>Position</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emilio Ortiz</td>
<td>Cal Poly Pomona</td>
<td>MS Student Still Lab</td>
<td>3801 W Temple Avenue Bldg 2 Pomona, CA 91768</td>
</tr>
<tr>
<td>Miriah Pace</td>
<td>National Agricultural Institute</td>
<td>NAI Assistant</td>
<td>151 West 100 South Rupert, ID 83350</td>
</tr>
<tr>
<td>Joe Parcell</td>
<td>University of Missouri-Columbia</td>
<td>Professor</td>
<td>142 Mumford Hall Columbia, MO 65211</td>
</tr>
<tr>
<td>Marilyn Parker</td>
<td>NACTA</td>
<td>NACTA Editor</td>
<td>151 West 100 South Rupert, ID 83350</td>
</tr>
<tr>
<td>Rick Parker</td>
<td>NACTA</td>
<td>NACTA Editor</td>
<td>151 West 100 South Rupert, ID 83350</td>
</tr>
<tr>
<td>John Patterson</td>
<td>Purdue University</td>
<td>Associate Professor</td>
<td>Dept. of Animal Sciences 125 S. Russell St., Rm 115 West Lafayette, IN 47907-2042</td>
</tr>
<tr>
<td>Dwayne Pavelock</td>
<td>Sam Houston State University</td>
<td>Associate Professor</td>
<td>Box 2088 Huntsville, TX 77341</td>
</tr>
<tr>
<td>Michael Petronis</td>
<td>New Mexico Highlands University</td>
<td>Associate Professor</td>
<td>Ivan Hilton Science Center Las Vegas, NM 87508</td>
</tr>
<tr>
<td>Nataliya Plesha</td>
<td>1479B Stafford Rd, Apt.B</td>
<td></td>
<td>Storrs-Mansfield, CT 06268</td>
</tr>
<tr>
<td>Marcus Pollard</td>
<td>University of Georgia</td>
<td>Graduate Assistant</td>
<td>Four Towers Bldg Athens, GA 30602</td>
</tr>
<tr>
<td>Tonya Price</td>
<td>Virginia Tech</td>
<td>Asst. Professor and Extension Specialist</td>
<td>2322 Blue Stone Hills Drive, Suite 140 Harrisonburg, VA 22801</td>
</tr>
<tr>
<td>Wayne Pryor</td>
<td>Virginia Farm Bureau</td>
<td>President</td>
<td>12580 West Creek Parkway Richmond, VA 23238</td>
</tr>
<tr>
<td>Tracy Quinton</td>
<td>Lakeland College</td>
<td>Instructor</td>
<td>5707 College Drive Vermilion, AB T9X 1K5</td>
</tr>
<tr>
<td>Laura Ramos</td>
<td>California State University at Fresno</td>
<td>Program Coordinator</td>
<td>5370 N. Chestnut Fresno, CA 39740</td>
</tr>
<tr>
<td>Stephen Ratasky</td>
<td>8 St. Mary's Street</td>
<td>Apartment 1</td>
<td>Raleigh, NC 27695</td>
</tr>
<tr>
<td>Richard Rateau</td>
<td>825 West Water Street</td>
<td></td>
<td>Bellefonte, PA 16823</td>
</tr>
<tr>
<td>Tobin Redwine</td>
<td>Texas A&amp;M University</td>
<td>Academic Adviser</td>
<td>600 John Kimbrough Blvd TAMU 2116 College Station, TX 77843-2116</td>
</tr>
<tr>
<td>Pamela Reed</td>
<td>Delaware Valley College</td>
<td>Associate Professor of Animal Science</td>
<td>700 E. Butler Ave. Doylestown, PA 18901</td>
</tr>
<tr>
<td>Ashley Rhodes</td>
<td>5435 Macy Place</td>
<td></td>
<td>Wamego, KS 66547</td>
</tr>
<tr>
<td>Bruce Richards</td>
<td>Delaware Valley College</td>
<td>Assistant Professor</td>
<td>700 E. Butler Ave Doylestown, PA 18901</td>
</tr>
<tr>
<td>John Ricketts</td>
<td>Tennessee State University</td>
<td></td>
<td>3500 John A. Merritt Blvd. Nashville, TN 37209</td>
</tr>
<tr>
<td>Aimee Rickman</td>
<td>204 W. California</td>
<td></td>
<td>Urbana, IL 61801</td>
</tr>
<tr>
<td>David Ringuette</td>
<td>48-440 Waiahole Valley</td>
<td></td>
<td>Kaneohe, HI 96744</td>
</tr>
<tr>
<td>Lydia I. Rivera</td>
<td>UPR-Mayaguez Campus</td>
<td>Professor</td>
<td>Laurel Ave. Annexus to Pinero Bldg. Plant Pathology Lab. AP-102 Office B Mayaguez, PR 00681</td>
</tr>
<tr>
<td>Julie Robinson</td>
<td>7110 Elmbrook Ct.</td>
<td></td>
<td>Reynoldsburg, OH 43068</td>
</tr>
<tr>
<td>Tim Rozell</td>
<td>2500 Marion Ave.</td>
<td></td>
<td>Blacksburg, VA 24061</td>
</tr>
<tr>
<td>Rick Rudd</td>
<td>Virginia Tech</td>
<td></td>
<td>2270 Litton-Reaves Hall (0343) Blacksburg, VA 24061</td>
</tr>
<tr>
<td>Mark Russell</td>
<td>Purdue University</td>
<td>Professor of Animal Sciences</td>
<td>125 S. Russell Street POUL Bldg. Room 111 West Lafayette, IN 47907</td>
</tr>
<tr>
<td>Laban Rutto</td>
<td>Virginia State University</td>
<td>Assistant Professor</td>
<td>246 M.T. Carter Ag. Research Center P.O. Box 9061 Petersburg, VA 23806</td>
</tr>
<tr>
<td>Williams. Sakai</td>
<td>University of Hawaii at Hilo</td>
<td>Professor of Horticulture</td>
<td>200 W. Kawai St. Hilo, HI 96720</td>
</tr>
<tr>
<td>Marcia Sakai</td>
<td>University of Hawaii at Hilo</td>
<td>Vice Chancellor</td>
<td>200 W. Kawai St. Hilo, HI 96720</td>
</tr>
</tbody>
</table>
Participant List

Laura Sankey
3830 Goshen Road
Clearfield, PA 16830

Paul Sarnoski
University of Florida
Food Science and Human Nutrition
P.O. Box 110370
Gainesville, FL 32611

Havva Savran Al-Haik
Virginia Tech
Graduate Student
2270 Litton-Reaves Hall (0343)
Blacksburg, VA 24061

Scott Schake
Kansas State University
Associate Professor
127 Weber Hall
Manhattan, KS 66506

Hannah Scherer
Virginia Tech
Research Assistant Professor
2270 Litton-Reaves Hall (0343)
Blacksburg, VA 24061

Alicia Schneider
203 Village Park Way
Savoy, IL 61874

Katherine Schury
5329 S. Newland
Chicago, IL 60638

Greta Schuster
Texas A&M University - Kingsville
Professor
Kleberg Ag. Bldg., Rm 113
Kingsville, TX 78363

Jenny Schwanke
YMCA
Hale-Y Community Garden Coord
1000 N. Main Street
Blacksburg, VA 24060

Megan Selbel
Virginia Tech
VALOR Director
264 Litton-Reaves Hall (0343)
Mail Code 0343
Blacksburg, VA 24060

Caroline Sheffield
NC State University
Graduate Student
Box 7607
Raleigh, NC 27695-7607

Kateel Shetty
Florida International University
Asstnt Res. Professor
11200 SW 8th Street
ECS-347, Earth & Environ. Dept.
Miami, FL 33199

Candice Shoemaker
Kansas State University
Professor
KSU HFRR
2021 Throckmorton Plnt Sci Cntr
Manhattan, KS 66506

Alyx Shultz
Hutson School of Agriculture
Assistant Professor
103 S 16th
Murray, KY 42071

Matthew Shultz
679 Adair Road
Mayfield, KY 42066

Krista Silverman
3279 Cool Springs Court
Naperville, IL 60564

Jon Simonsen
University of Missouri
Assistant Professor
125 a Gentry Hall
Columbia, MO 65211

Mahipal Singh
Fort Valley State University
Associate Professor of Animal Science
1005 state University Drive
Fort Valley, GA 31030

Ray Smith
Abraham Baldwin Agricultural College
Associate Professor
ABAC 6, 2802 Moore Hwy
Tifton, GA 31794

Tyson Sorensen
Oregon State University
GTA - Instructor
112 Strand Ag Hall
Corvallis, OR 97331

Annie Specht
3727 Bair Rd NW
Dover, OH 44622

Carol Speth
University of Nebraska-Lincoln
Education Assessment Specialist
1875 N. 38th Street
Lincoln, NE 68583-0915

Matt Spindler
Virginia Tech
Assistant Professor
204 Litton-Reaves Hall
Blacksburg, VA 24061

Rebecca Splan
Virginia Tech
Associate Professor
5527 Sullivans Mill Road
Middleburg, VA 20117

William Staniar
Penn State
Assistant Professor
324 W. L. Henning Building
University Park, PA 16802

Randy Stanko
Texas A&M University - Kingsville
Dept of Animal Science
700 University Boulevard
Kleberg AG Room 111 MSC
228
Kingsville, TX 78363

C. Robert Stark Jr
University of Arkansas
Monticello
Agricultural Economist
P.O. Box 3468
Monticello, AR 71656

Dan Stein
10909 North Western Road
Stillwater, OK 74075

Nicole Steinmetz
Ohio State University
Student
2120 Fyffe Road
Columbus, OH 43210

Robert Stephenson
3313 Willow Street
Hays, KS 67601

Clint Stevenson
North Carolina State University
Assistant Professor
116 Schaub Hall
Campus Box 7624
Raleigh, NC 27695
Participant List

David Still
Cal Poly Pomona
Professor
3801 W Temple Avenue
Bldg 2
Pomona, CA 91768

Jan Straley
University of Alaska Southeast
Associate Professor of Biology
1332 Seward Ave
Sitka, AK 99835

Christopher Stripling
University of Tennessee
Assistant Professor
2621 Morgan Circle
320B Morgan Hall
Knoxville, TN 37996

Peter Stuhlmiller
Hartnell College
Ag Student
411 Central Avenue
Salinas, CA 93901

Kyle Stutts
Sam Houston State University
Assistant Professor
Box 2088
Huntsville, TX 77341-2088

Susan Sumner
Virginia Tech
Associate Dean and Director
1060 Litton-Reaves Hall (0334)
Blacksburg, VA 24061

Cory Suski
University of Illinois
Assistant Professor
1102 S. Goodwin Avenue
W401C Turner Hall
Urbana, IL 61801

Ashley Sutton
106 Canterbury Rd.
Pendleton, SC 29670

Katrina Swinehart
Ohio State University
Student
2120 Fyffe Road
Columbus, OH 43210

Ronald Takahashi
Kapiolani Community College
Department Chair - Culinary Arts
4303 Diamond Head Road
Ohelo 101A
Honolulu, HI 96816

Royce Thornton
Ohio State ATI
1328 Dover Road
Wooster, OH 44691

Stacy Tomas
School of Agriculture
Assistant Professor of Agritourism
P.O. Box 5034
Cookeville, TN 38505

Rial Tombes
Virginia Tech
Sustainability Coordinator
Dining Services Southgate
Blacksburg, VA 24061

Shweta Trivedi
Assistant Professor
123 Polk Hall
Department of Animal Science
NC State University
Raleigh, NC 27695

Jessica Tusssing
Virginia Tech
Equine Programming Associate
388 Litton-Reaves Hall (0306)
Blacksburg, VA 24061

April Ulery
New Mexico State University
Professor
P.O. Box 30003, MSC 3Q
Las Cruces, NM 88003

Ann Marie VanderZanden
Iowa State University
Professor
106 Horticulture Hall
Ames, IA 50011

Martha Vargas
University Transfer Center
1530 W. 17th Street S-110
Santa Ana, CA 92706

William Vencil
University of Georgia
Professor
3111 Miller Plant Sciences
120 Carlton Street
Athens, GA 30602

Courtney Vengrin
6208 Schooler Hill Drive
Apt 48
Radford, VA 24141

Randall Violett
Southern Utah University
Assistant Professor
351 West Univ Blvd
Cedar City, UT 84720

Melissa Voigt
Purdue University
Graduate Research Assistant
615 West State Street
West Lafayette, IN 47907-2053

Tegan Walker
130 Circle Drive
Fairmont, WV 26554

Bonnie Walters
783 Hwy 128
Wilson, WI 54027

Xinlei Wang
University of Illinois at Urbana-Champaign
Associate Professor
1304 W Pennsylvania Ave
332C AESB
Urbana, IL 61801

Wendy Warner
105 Rosenberry Hills Drive
Cary, NC 27513

Stuart Watts
1700 N Manhattan Ave
Apt 301
Manhattan, KS 66502

Melissa Welsh
Purdue University
Graduate Student
615 West State Street
West Lafayette, IN 47907-2053

Brian Whitaker
University of Findlay
Professor
1000 North Main Street
Findlay, OH 45840

Ingelia White
Windward Community College
Professor
45 - 720 Keahalani Road
Kaneohe, HI 96744

Laura White
New Mexico State University
Assistant Professor
MSC 3-1
Las Cruces, NM 88003

Crossing Disciplinary Boundaries © 45
Participant List

Susie Whittington
Ohio State University
Professor
2120 Eyffe Road
Columbus, OH 43210

Jerry Williams
Virginia Tech
Professor
Horticulture 0327
Blacksburg, VA 24061

Kevin Williams
West Texas A&M
Assistant Professor of Ag. Education
WTAMU Box 60998
Canyon, TX 79016

David Willoughby
Ohio State University ATI
Associate Professor
1328 Dover Road
Wooster, OH 44691

Elizabeth Wilson
NCSU
Professor
Box 7607
Raleigh, NC 27695

Jessica Winkler
210 N. 4th St. Apt. 305
Manhattan, KS 66502

Dean Winward
Southern Utah University
Associate Professor
351 W University Blvd
Cedar City, UT 84720

Ferdinand Wirth
Saint Joseph's University
Assoc Professor of Food Marketing
5600 City Avenue
Philadelphia, PA 19131-1395

Lawrence Wolfskill
Sam Houston State University
Assistant Professor
1831 University Ave Thom 222
Box 2088
Huntsville, TX 77341-2088

Cindy Wood
Virginia Tech
Associate Professor
Animal and Poultry Sciences
Blacksburg, VA 24061

Lee Wood
Southern Utah University
Associate Professor
351 W University Blvd
Cedar City, UT 84720

Amy Wright
Auburn University
Associate Professor
Department of Horticulture
Auburn University
Auburn, AL 36849

Brielle Wright
Virginia Tech
Graduate Student
2270 Litton-Reaves Hall (0343)
Blacksburg, VA 24061

Allen Wysocki
12055 SW 9th Ave
Newberry, FL 32611

Elizabeth Yakes
University of New Mexico
Assistant Professor of Nutrition
MSC05 3040
1 University of New Mexico
Albuquerque, NM 87131

Liyun Ye
2721 Chelsea Court
Blacksburg, VA 24060

Sarah Young
Delaware Valley College
Assistant Professor of Large Animal Sci.
700 E. Butler Avenue
Doylestown, PA 18901

Pete Ziegler
Virginia Tech
Research Assistant Professor
1060 Litton-Reaves Hall (0334)
Blacksburg, VA 24061

Martin Zuidhof
University of Alberta
Associate Professor
410 Agric/Forestry Centre
Edmonton, AB T6G 2P5
# Schedule-at-a-Glance

## Tuesday, June 25, 2013

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>12:00 - 7:00 p.m.</td>
<td>Registration Open</td>
</tr>
<tr>
<td>1:00 - 4:00 p.m.</td>
<td>NACTA Executive Committee Meeting</td>
</tr>
<tr>
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<td>NIFA/DOCE Meeting</td>
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<td></td>
<td>Pre-Conference Professional Development Experience</td>
</tr>
<tr>
<td>6:00 - 9:00 p.m.</td>
<td>Taste of Virginia Opening Reception</td>
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## Wednesday, June 26, 2013

<table>
<thead>
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<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 - 10:00 a.m.</td>
<td>Registration Open</td>
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<tr>
<td>7:30 - 8:00 a.m.</td>
<td>Continental Breakfast</td>
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<tr>
<td>8:00 - 9:30 a.m.</td>
<td>Welcome and Keynote</td>
</tr>
<tr>
<td>9:30 - 10:30 a.m.</td>
<td>Poster Session and Break</td>
</tr>
<tr>
<td>10:30 a.m. - 12:00 p.m.</td>
<td>Concurrent Sessions</td>
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<tr>
<td>12:00 - 1:30 p.m.</td>
<td>Lunch</td>
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<tr>
<td>2:00 - 3:30 p.m.</td>
<td>Concurrent Sessions</td>
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<tr>
<td>3:30 - 4:30 p.m.</td>
<td>Poster Session and Break</td>
</tr>
<tr>
<td>5:30 - 8:00 p.m.</td>
<td>BBQ at &quot;The Grove&quot;</td>
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## Thursday, June 27, 2013

<table>
<thead>
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<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 a.m. - Noon</td>
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<tr>
<td>7:30 - 8:00 a.m.</td>
<td>Continental Breakfast</td>
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<tr>
<td>8:00 - 9:30 a.m.</td>
<td>Blue Ribbon Presentation</td>
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<tr>
<td>9:30 - 10:30 a.m.</td>
<td>Poster Session and Break</td>
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<td>10:30 a.m. - 12:00 p.m.</td>
<td>Concurrent Sessions</td>
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<tr>
<td>11:45 - 12:15 p.m.</td>
<td>Lunch</td>
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<tr>
<td>12:00 - 12:15 p.m.</td>
<td>Board buses for tours, departing at 12:15 p.m.</td>
</tr>
<tr>
<td>12:15 - 5:15 p.m.</td>
<td>Tours</td>
</tr>
<tr>
<td>5:15 p.m.</td>
<td>Dinner on your own</td>
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## Friday, June 28, 2013

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>7:00 - 9:00 a.m.</td>
<td>Registration Open</td>
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<tr>
<td>7:30 - 8:00 a.m.</td>
<td>Continental Breakfast</td>
</tr>
<tr>
<td>8:30 - 9:30 a.m.</td>
<td>Committee Meetings</td>
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<tr>
<td>9:30 - 10:30 a.m.</td>
<td>Poster Session and Break</td>
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<tr>
<td>10:30 a.m. - 12:00 p.m.</td>
<td>Concurrent Sessions</td>
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<tr>
<td>12:00 - 2:00 p.m.</td>
<td>Lunch &amp; Business Meeting</td>
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<tr>
<td>2:00 - 4:00 p.m.</td>
<td>Workshops</td>
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<tr>
<td>5:30 - 6:30 p.m.</td>
<td>Registration Open</td>
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<tr>
<td>6:00 - 9:00 p.m.</td>
<td>Banquet</td>
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## Saturday, June 29, 2013

<table>
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<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>7:00 - 8:00 a.m.</td>
<td>NACTA Executive Committee Breakfast</td>
</tr>
<tr>
<td>8:00 - 11:00 a.m.</td>
<td>NACTA Executive Committee Meeting</td>
</tr>
</tbody>
</table>

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Please deliver a jump drive with oral presentations to the registration desk on Tuesday, June 25 (Noon to 7:00 p.m.). Presentations will be pre-loaded onto your session’s laptop.