

**One Hundred and Eighth  
Annual Meeting**

**SOUTHERN  
ASSOCIATION OF AGRICULTURAL  
SCIENTISTS**

2011 Program Book



For their support of the Southern Association of Agricultural Scientists, *special thanks* are expressed to:

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(225) 578-4164  
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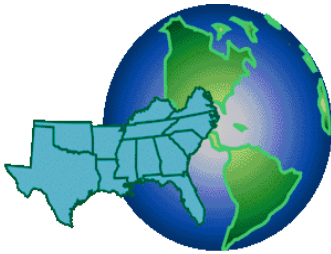
***Conference participants are encouraged to thank  
the sponsors for their support of the SAAS.***



Omni Hotels Marina & Bayfront  
707 and 900 North Shoreline Blvd.  
Corpus Christi, TX 78401

# 2 0 1 1

## Southern Association of Agricultural Scientists Annual Meeting and Conference



### *Corpus Christi, TX*

SAAS strives to forward the interests of Southern agriculture by bringing agricultural leaders in the educational field and industry together. The association instructs and trains individuals for the purpose of improving or developing their capabilities relating to educational activities in service to the public arena. SAAS also offers young scientists an opportunity to present papers resulting from their research, extension, or other efforts and to exchange knowledge with other leaders.

**Thank you for attending and  
taking part in this effort!**

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## SAAS PROGRAMS

### Omni Hotels – Bayfront & Marina

#### SAAS Registration

**Sunday** 8:00 am - 4:00 pm

**Monday** 8:00 am - 4:00 pm

**Tuesday** 8:00 am – Noon  
*Bayfront – Preassembly Area*

#### SAAS Opening Session and General Business Meeting

**Sunday, February 6**

**4:00 pm – 6:00 pm**

*Bayfront – Nueces Ballroom A*



#### “Super Bowl Party”

*Come watch the game!*

Sponsored by Southern Farm Bureau  
 Life Insurance Co.

Jackson, Mississippi and Affiliates

**6:00 pm - Sunday, February 6**

*Offsite Brewster Street Icehouse*

#### Executive Committee Meetings

**Sunday, February 6**

**SAAS Board Meeting**

**2:30 pm – 3:30 pm**

*Bayfront – Bayview Room*

**Tuesday, February 8**

**SAAS Board Breakfast Meeting**

**7:30 am – 9:30 am**

*Bayfront – Bayview Room*

## REGISTRATION INFORMATION

Associations will have registration tables set up at the locations shown below.

**Fees:** With the exception of Agronomy, **please be prepared to pay registration fees by check or cash**; we cannot accept credit cards. A receipt will be provided for reimbursement. Fees are association fees + SAAS fee (\$60 faculty/professional fee or \$5 graduate student fee; no SAAS fee for undergraduates).

Academic Dept Heads	Sunday & Monday – 8am-4pm <i>Bayfront – Preassembly Area (SAAS table)</i>
Admin Heads of Agric	Sunday & Monday – 8am-4pm <i>Bayfront – Preassembly Area (SAAS table)</i>
Ag Comm	Sunday & Monday – 8am-4pm <i>Bayfront – Preassembly Area (SAAS table)</i>
Ag Econ	Sunday – 2pm-4pm Monday – 8am-5pm Tuesday – 8am-5pm <i>Marina – Ballrooms Lobby</i>
Ag Educ	Saturday – 3pm-600pm <i>Bayfront – Hotel Lobby</i>
	Sunday – 8am-10am Monday – 8am-10am <i>AmBank – Foyer Rooms 225</i>
Agron	Sunday – 10am-4pm Monday – 7am-5pm <i>AmBank – Bayview Ballroom A</i>
Animal Sci	Sunday – 11am-4pm Monday – 7:30am-4pm Tuesday – 8am-Noon <i>Bayfront – Preassembly Area</i>
Biochem	Sunday & Monday – 8am-4 pm <i>Bayfront – Preassembly Area (SAAS table)</i>
Horticulture	Saturday – 7am-6pm <i>Bayfront – Hotel Lobby</i>
	Sunday – 7am-6pm Monday – 7am-10am <i>AmBank – Level 1 Foyer</i>
Plant Path	Sunday – 8am-3:30pm Monday – 8am-11:30am <i>Bayfront – Preassembly Area</i>
Rural Soc	Sunday – 8am-3:30pm Monday – 7:45am-3pm <i>Marina – Ballrooms Lobby</i>

## **ACADEMIC DEPARTMENT HEADS**

### **SAAS Academic Department Heads**

Monday, February 7, 2011

7:00 to 9:00 a.m.

*Bayfront – Corpus Christi Ballroom C*

## **ADMIN HEADS OF AGRICULTURE**

### **Southern Association of Agricultural Scientists**

#### **Administrative Heads of Agriculture Section**

**(AHS)**

**Monday, February 7**

**7:30 am – 10:00 am**

**Administrative Heads of  
Agriculture Section (AHS) Meeting.  
Breakfast will be served.**

*Bayfront – Partnership Boardroom*

## AGRICULTURAL COMMUNICATIONS

### SAAS Agricultural Communications Section Annual Meeting Corpus Christi, Texas –February 5-8, 2011

#### Sunday

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**9 a.m. Paper Session I, AmericanBank Center, Room 101**

Welcome

Evaluating the Usability of the Texas Agricultural Research Database Website – Kelsey Hall, Courtney Meyers, & Laura Vaught, Texas Tech University

Featuring Agriculture: A Qualitative Analysis of Postsecondary Students' Reactions to Agricultural Documentaries – Courtney A. Meyers, Erica Irlbeck, Kelsey Fletcher, & Jade Keith, Texas Tech University

**10:15 a.m. Break**

**10:30 a.m. Paper Session II, AmericanBank Center, Room 101**

Advertising Agrarian Unreality: College Students' Preferences for Agricultural Commodity Advertising Content – Annie R. Specht, Texas A&M University, & Emily B. Rhoades, The Ohio State University

Narrowing the Farm-to-Plate Knowledge Gap through Semiotics and the Study of Consumer Responses Regarding Livestock Images – Joy Goodwin, University of Florida, & Emily B. Rhoades, The Ohio State University

The Effects of Livestock Production Claims on Voting Intention and Attitudes towards Conventional Products – Katie M. Abrams, University of Illinois, & Tracy Irani, University of Florida

**12 p.m. Lunch (on your own)**

**1:30 p.m. Paper Session III, AmericanBank Center, Room 101**

Readability of media information for Hurricane Ike Disaster Case Management Services – William Patton, Billy R. McKim, Scott R. Cummings, & Tracy A. Rutherford, Texas A&M University

## AGRICULTURAL COMMUNICATIONS

The Role of FEMA Independent Study Courses in Cooperative Extension Professional Development – Patrick R. Allen, Annie R. Specht, Chelsea R. Tomascik, & Traci L. Naile, Texas A&M University

**2:30 p.m. Poster session, AmericanBank Center**

**4 p.m. General session Bayfront Tower – Nueces Ballroom A**

**6 p.m. Super Bowl Reception, Brewster Street Ice House**

#### Monday

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**8:30 a.m. Paper Session IV, AmericanBank Center, Room 101**

Matching Millennials Motivations: Developing Strategic, Targeted Recruitment Materials to Increase Enrollment in Academic Programs focused on Agriculture – Lauri M. Baker, Quisto Settle, Christy Chiarelli, & Tracy Irani, University of Florida

Competencies Needed by Agricultural Communication Undergraduates: An Academic Perspective – A. Christian Morgan & K. Jill Rucker, The University of Georgia

Learning in a new land: Second Life in agriculture – Holli Leggette, Tracy A. Rutherford, & Amanda Sudduth, Texas A&M University

**10 a.m. Break**

**10:30 a.m. Professional Development Session, AmericanBank Center, Room 101**

Texas Sea Grant Floating Classroom Program – Dr. Russ Miget, Coordinator

**12 p.m. Lunch (on your own)**

**1:30 p.m. Business meeting, AmericanBank Center, Room 101**

**3 p.m. Texas Sea Grant Floating Classroom cruise, Corpus Christi Bay**

## AGRICULTURAL COMMUNICATIONS

### Poster Session

#### Innovative Idea Posters

**1. Usability Testing and Evaluation of the Sorghum Research Database** -- Corey Ann Duysen, Texas Tech Univ., Cindy Akers, Texas Tech Univ.

**2. Tweeting Your Praises: Twitter as a Conference Evaluation Tool**—Annie Specht, Texas A& M Univ.; Traci L. Naile, Texas A&M Univ.; Kelly Pritchett, Texas A&M Univ.

#### Research Posters

**1. Is There an App for That?** – Kori Barr, Texas Tech Univ.; Erica Irlbeck, Texas Tech Univ.

**2. Food Safety Standards and Local Produce: Perspectives from Pennsylvania Supermarkets**-- Daniel Tobin, The Pennsylvania State Univ.; Joan Thomson, The Pennsylvania State Univ.

**3. Postsecondary Students' Perceptions of Media Coverage of Agriculture**-- Laura Vaught, Texas Tech Univ.; Courtney A. Meyers, Texas Tech Univ.; Erica Irlbeck, Texas Tech Univ.

**4. Graduate Students' Perceptions of Ethics Education in Agriculture and Life Sciences** -- Ashley Charanza, Texas A&M Univ.; Traci L. Naile, Texas A&M Univ.; Jennifer Williams, Texas A&M Univ.

**5. Wired in College: Students at Three Land-Grants Use of Old and New Media** -- Lauri M. Baker, Univ. of Florida; Quisto Settle, Univ. of Florida; Ricky Telg, Univ. of Florida; Tracy Irani, Univ. of Florida; Emily Rhoades, The Ohio State Univ.; Tracy Rutherford, Texas A & M Univ.

**6. Experiential and Collateral Learning: An Assessment of an Agricultural Communications Capstone Course** -- Traci Rhoades, Univ. of Arkansas; Jefferson Miller, Univ. of Arkansas; Leslie D. Edgar, Univ. of Arkansas

**7. Comparison of Social Media Use Between Students and Instructors in Agriculture** -- Quisto Settle, Univ. of Florida; Lauri M. Baker, Univ. of Florida; Ricky Telg, Univ. of Florida; Tracy Irani, Univ. of Florida; Emily Rhoades, The Ohio State Univ.; Tracy Rutherford, Texas A & M Univ.

**8. Novelty Seekers: An Approach to Understanding Floral Preferences** -- Deidra Slough, Univ. of Florida

## AGRICULTURAL ECONOMICS

Southern Agricultural Economics Association  
43<sup>rd</sup> Annual Meetings Program  
February 5-8, 2011  
Omni Hotel  
Corpus Christi, Texas

#### SAEA OFFICERS:

President..... MICHAEL R. REED  
President-Elect..... DARREN HUSDON  
Director .....ALLEN F. WY SOCKI  
Director ..... JAYSON LUSK  
Director ..... DUNCAN CHEMBEZI  
Secretary..... WOJCIECH J. FLORKOWSKI  
Treasurer ..... JEFFREY L. JORDAN  
Past-President ..... HECTOR O. ZAPATA  
Editors..... MARY MARCHANT  
AND DARRELL BOSCH

Meeting room location:  
Omni Hotel Marina Tower, Corpus Christi, Texas  
except for the Presidential Luncheon in Omni  
Hotel Bayfront Tower

SAEA Executive Committee  
New Officer Orientation  
5 p.m. - 7 p.m.  
Monty's Boardroom

Saturday 6 p.m. - 8 p.m.  
*Quiz Bowl*  
Riviera 3

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Sunday 8 a.m. - 4 p.m.  
*Quiz Bowl*  
Riviera 2 & 3  
Break: Riviera 3

*Recruitment Fair*  
Marina Ballrooms Lobby  
Break: Riviera 3

Sunday 8:30 a.m. - 2:30 p.m.  
*SAEA Executive Council Meeting*  
Padre Island A

Sunday Noon - 4 p.m.  
*Registration*  
Marina Ballrooms Lobby

Sunday 2 p.m. - 4 p.m.  
*Department Heads' Meeting*  
Padre Island D

## AGRICULTURAL ECONOMICS

Sunday 2 p.m.-4 p.m.

**SERA 39**

**Public Policy Issues Education**

**Padre Island C**

Sunday 4 p.m. - 6 p.m.

**SAAS General Session**

**Bayfront Nueces Ballroom**

**Sunday 6:00 p.m. - 10:00 p.m.**

**SAAS Reception**

**Brewster Street Icehouse (offsite)**

Sunday 2 p.m. - Tuesday 5 p.m.

**Selected Posters**

**Marina Ballrooms Lobby**

**Poster presentations will be**

**Tuesday 10:15 a.m. - 12 noon**

1. **Internationalizing the College Experience for Agribusiness Students**  
Joy E. Mehlhorn, Sandy Mehlhorn, and Donnie Daniels, University of Tennessee at Martin
2. **Lessons Learned in Recruiting Millennials into Food and Agribusiness Industries**  
Kenrett Y. Jefferson-Moore, Autumn Mitchell, and Jazmine Bowser, North Carolina A&T State University
3. **Opportunities for SAEA Members through AAEA Outreach Efforts**  
Damona Doye, Oklahoma State University, Walt Armbruster, Farm Foundation, and William Edwards, Iowa State University
4. **Accountability in Research and Extension**  
Brant A. Wilbourn, Emily K. Seawright, Ronald D. Lacewell, M. Edward Rister, Allen W. Sturdivant, and Shauna R. Yow, Texas AgriLife Research, Texas A&M University, and Bill L. Harris, Texas Water Resources Institute, Texas A&M University
5. **Evaluating the Impact of QuickBooks Financial Education on Texas Panhandle Producers**  
DeDe L. Jones, Jay A. Yates, and Jonathan R. Baros, Texas A&M University
6. **Assessing Obesity Rates and Factor Interaction**  
Obad Quaiocoe, Godfrey Ejimakor, and Ralph Okafor, North Carolina A&T State University
7. **Food Retail Market Development in India-- Challenges and Opportunities**  
Ranjit Mane and Eric Wailes, University of Arkansas

## AGRICULTURAL ECONOMICS

8. **Economic Impacts of Relaxing Travel and Financial Restrictions on U.S. Exports to Cuba**  
C. Parr Rosson, Texas AgriLife Extension Service, and Flynn J. Adcock, Texas AgriLife Research
9. **Network Embeddedness, Market Access and Social Spending Inflation: A Case Study of Gift Network in Rural China**  
Xi Chen, Cornell University
10. **Factors Affecting the Spread and Costs Associated with Influenza Illness: Focus on H1N1**  
Ruth A. Aisabokhae, Mark Musumba, Bruce McCarl, and David Bessler, Texas A&M University
11. **Potential Impacts of MarketMaker on Recovery of Louisiana's Seafood Industry**  
Benjamin Clark, Roger Hinson, and John Westra, Louisiana State University AgCenter
12. **Global Rice Export Trade -- A shift-share analysis**  
Prithviraj Lakkakula, Eric Wailes, Bruce Dixon, and Diana Danforth, University of Arkansas
13. **Using Trade Data to Define Regions Based on Industry Concentration in the Gulf of Mexico States**  
Raghavendra Kongari, Arun Adhikari, J. Matthew Fannin, and Ashok K. Mishra, Louisiana State University AgCenter
14. **Issues Related to Discounting Natural Resources**  
Lindsy Dutton and M. Edward Rister, Texas AgriLife Research, Texas A&M University, Ronald D. Lacewell, Texas AgriLife Research and Texas AgriLife Extension, Texas A&M University, and Allen W. Sturdivant, Texas AgriLife Extension, Texas A&M University
15. **Assessing the Economic Benefits of Boll Weevil Eradication in Texas**  
Dean A. McCorkle, Dan D. Hanselka, John R. C. Robinson, and Steven L. Klose, Texas A&M University
16. **Price Comparison of Ola, Ozark, and Conway, Arkansas Livestock Auctions for 5-6 Weight, Large, Number 1 Steers and Heifers**  
Devon R. Terrell, Molly D. Brant, and Alvin W. Williams, Arkansas Tech University

## AGRICULTURAL ECONOMICS

17. **Characteristics of Swine Farm Sales Data Under a De Facto Moratorium**  
Guido van der Hoeven, Sofia Kotsiri, and Kelly Zering, North Carolina State University
18. **Evaluating Beef Cattle Best Management Practices in South Texas: Calf Management**  
Mac Young, Joe Paschal, Cody Ringer, and Steven Klose, Texas AgriLife Extension Service
19. **Incorporating Seasonality in Price Risk Management**  
J. Mark Welch and Tao Jiang, Texas A&M University
20. **Evaluation of Ecosystem Service in Japanese Rural Areas**  
Yoji Kunimitsu, National Institute for Rural Engineering, NARO
21. **A Stochastic Model for Estimating Harvest Days Each Week During the Fall**  
Gregory Ibendahl and Matthew Farrell, Mississippi State University
22. **Cotton, Wheat, and Grain Sorghum Economics in the Southern Plains by Tillage System**  
Brandon T. Varner, Francis M. Epplin, and Gary L. Strickland, Oklahoma State University
23. **A Life Cycle Analysis (LCA) Comparison between Conventional and Biotech Sweet Corn**  
Jada Thompson, Lanier Nalley, and Mike Popp, University of Arkansas
24. **The Economics of Using Distiller Grains in Small-Scale Beef Operations in Indiana**  
Ken Foster, David Widmar, Dennis Buckmaster, Ronald Lemenager, and Nicole Olynk, Purdue University
25. **The Economic Impact of Ethanol on the Southern High Plains of Texas**  
Bridget Guerrero, Texas AgriLife Extension Service, Jeffrey Johnson, Texas Tech University, Stephen Amosson, Texas AgriLife Extension Service, and Phillip Johnson, Eduardo Segarra, and James Surles, Texas Tech University
26. **Biodiesel Production and Implication to Rural Economies in Alabama**  
Debra Daniel and Ellene Kebede, Tuskegee University

## AGRICULTURAL ECONOMICS

27. **The Value and Impact of Geospatial Variables on Determining Optimal Wind Locations**  
Rahul Kanungoe, Eric Belasco, Michael Farmer, and Ryan Williams, Texas Tech University
28. **Economic Benefit of White Flesh Sweetpotato Ethanol for Vegetable Producers in Alabama**  
Edinam Adzossii, Ellene Kebede, Conrad Bonsi, and Desmond Mortley, Tuskegee University
29. **Switchgrass Monocultures versus Diverse Mixtures of Grasses and Forbs to Produce Biomass Feedstock**  
Andrew P. Griffith, Francis M. Epplin, and Samuel D. Fuhlendorf, Oklahoma State University, and Robert Gillen, Kansas State University
30. **Evaluation of the Economic Feasibility of Grain Sorghum, Sweet Sorghum, and Switchgrass as Alternative Feedstocks for Ethanol Production in the Texas Panhandle**  
Jnaneshwar R. Girase, Lal K. Almas, David G. Lust, and W. Arden Colette, West Texas A&M University
31. **Biodiesel Production and Implication to Rural Economies in Alabama**  
Debra Daniel and Ellene Kebede, Tuskegee University

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**Monday 8 a.m. - 5 p.m.**  
**Registration**  
**Ballrooms Lobby**

**Monday 8 a.m. - 5 p.m.**  
**Quiz Bowl**  
**Riviera 3**  
**Break: Riviera 3**

**Monday 8 a.m. - 5 p.m.**  
**Recruitment Fair**  
**Marina Ballrooms Lobby**  
**Break: Riviera 3**

**Monday 8:30 a.m. - 10:10 a.m.**  
**Selected Papers 1**  
**Padre Island A**

Title: **Production Economics**  
Moderator: Roger Hinson, Louisiana State University

## AGRICULTURAL ECONOMICS

- 8:30 **Assessing the Value of Climate Information in Agriculture Using the Stochastic Production Frontier Approach**  
Daniel Solís and David Letson, University of Miami, and Boris Bravo-Ureta, University of Connecticut
- 8:50 **Dairy Breeding Technologies: Adoption and Profitability**  
Aditya R. Khanal, Virginia Polytechnic Institute and State University, and Jeffrey M. Gillespie, Louisiana State University
- 9:10 **Intensive versus Extensive Dairy Production Systems in the US and the EU: Determining the Competitive Edge**  
Richard Nehring, Economic Research Service, USDA, Johannes Sauer, University of Manchester, Jeffrey Gillespie, Louisiana State University, and Charlie Hallahan, Economic Research Service, USDA
- 9:30 **Effects of No-Tillage on Yields and Downside Risk the Across the United States**  
Dustin K. Toliver, James A. Larson, Burton C. English, Roland K. Roberts, and Daniel G. de la Torre Ugarte, University of Tennessee, Tristram O. West, Pacific Northwest National Laboratory and University of Maryland

**Monday 8:30 a.m. - 10:10 a.m.**  
**Selected Papers 2**  
**Padre Island B**

Title: **Farm Management**

Moderator: Deacue Fields, Auburn University

- 8:30 **The Beneficial Impact of Sorting Heavy Cattle at Re-Implant**  
David J. Link, Lal K. Almas, Ty E. Lawrence, and Michael S. Brown, West Texas A&M University
- 8:50 **Analysis of Factors Affecting Farmers' Willingness to Adopt Switchgrass Production**  
D. Joshua Qualls, Kimberly L. Jensen, Burton C. English, James A. Larson, and Christopher D. Clark, The University of Tennessee
- 9:10 **Economic Analysis of High Fertilizer Input, Over-seeded Clover and Native Pasture Production Systems in the Texas Coastal Bend**  
Lawrence L. Falconer and Luis A. Ribera, Texas AgriLife Extension Service, and Gerald W. Evers, Texas AgriLife Research

## AGRICULTURAL ECONOMICS

- 9:30 **An Economic Performance Analysis of the Beef Cow-herd Enterprise Using a Stochastic Frontier Function**  
Jaesung Cho, Loren W. Tauer, and Charles H. Dyson School of Applied Economics and Management, Cornell University, Seong C. Park and Stanley J. Bevers, Texas AgriLife Research and Extension Center
- 9:50 **Contract Grazing on Winter Annuals: Risks and Returns for Cattle Owners**  
Manik Anand, Patricia A. Duffy, David Bransby and Carla Shoemaker, Auburn University, and Jason S. Bergtold, Kansas State University

**Monday 8:30 a.m. - 10:10 a.m.**  
**Selected Papers 3**  
**Padre Island C**

Title: **Agricultural Policy**

Moderator: Keith Coble, Mississippi State University

- 8:30 **Taxpayer Preferences for Farm Policy and USDA Budget Expenditures**  
Brenna Ellison and Jayson Lusk, Oklahoma State University, and Brian Briggeman, Federal Reserve Bank of Kansas City
- 8:50 **The Effects of Domestic Offset Programs on the Cotton Market**  
Suwen Pan, Darren Hudson, and Maria Mutuc, Cotton Economics Research Institute, Department of Agricultural and Applied Economics, Texas Tech University
- 9:10 **United States Tobacco Industry After the Buyout**  
James E. Epperson and Ganna Sheremenko, The University of Georgia
- 9:30 **Macroeconomic Effects of the Stock Management for the Irrigation and Drainage Facilities in Japan: Application of Recursive- Dynamic CGE Model**  
Yoji Kunimitsu, National Institute for Rural Engineering of NARO
- 9:50 **Impact of Ethanol Policies on Livestock Production in the United States**  
Dragan Miljkovic and Saleem Shaik,, North Dakota State University, and Dane Braun, North Dakota State Department of Agriculture

## AGRICULTURAL ECONOMICS

Monday 8:30 a.m. - 10:10 a.m.

### *Selected Papers 4* Padre Island D

Title: **International Agriculture and Trade**

Moderator: Andrew Muhammad, Economic Research Service, USDA

- 8:30 **Dynamic Effects of an Economic Partnership Agreement: Implications for Senegal**  
Lassana Cissokho, Suffolk University
- 8:50 **Financial Development and International Agricultural Trade: Is There a Connection?**  
Dwi Susanto and C. Parr Rosson, Texas A&M University
- 9:10 **The Recession and Its Impacts on Foreign Direct Investment Flows into the Food Systems of Developing Countries**  
Md. Ashfaqu Islam Babool, Senior Assistant Secretary Government of Bangladesh, and Sayed Saghaian, University of Kentucky
- 9:30 **Measurements of Agricultural Productivity and Efficiency Gains from NAFTA**  
Osei Yeboah, Cihat Gunden, and Tongzhe Li, North Carolina A&T State University, Saleem Shaik, North Dakota State University, and Albert J. Allen, Mississippi State University
- 9:50 **Producers and Consumer Attitudes toward Biotechnology in Ghana**  
Annie Nsafoah and Michael R. Dicks, Oklahoma State University, and Collins Osei and Kwame Nkrumah, University of Science and Technology, Ghana

Monday 8:30 a.m. - 10:10 a.m.

### *Selected Papers 5* Duval

Title: **Resource and Environmental Economics**

Moderator: Ira Altman, Southern Illinois University

- 8:30 **How a National Carbon Policy Could Affect Grain Variety Selection: The Case of Rice in Arkansas**  
Brandon McFadden, Oklahoma State University and Lanier Nalley, University of Arkansas

## AGRICULTURAL ECONOMICS

- 8:50 **The Impact of Biofuels on the Propensity of Land-Use Conversion among Non-Industrial Private Forest Landowners in Florida**  
Nishita Pancholy and Michael H. Thomas, Florida A&M University, Daniel Solís, University of Miami, and Nicholas Stratis, Florida Department of Environmental Protection
- 9:10 **Adaptation to Climate Change: Land Use and Livestock Management in the US**  
Jianhong Mu and Bruce A. McCarl, Texas A&M University
- 9:30 **An Analysis of the Determinants of Flood Damages**  
Susana Ferreira, University of Georgia
- 9:50 **Producer Willingness to Supply Biomass: The Effects of Price and Producer Characteristics**  
Ira J. Altman and Dwight R. Sanders, Southern Illinois University-Carbondale, Jason S. Bergtold, Kansas State University, and Thomas G. Johnson, University of Missouri-Columbia

Monday 8:30 a.m. - 10:10 a.m.

### *Selected Papers 6* Keleberg

Title: **Marketing and Industrial Organization**

Moderator: Kalyn Coatney, Mississippi State University

- 8:30 **The Affect of Animal Gender on Fed Cattle Marketing Behavior**  
Brent Lange, Scott W. Fausti, Bashir Qasmi, Matthew Diersen, and Jing Li, South Dakota State University
- 8:50 **Effects of a Traceability System on the Economic Impacts of a Foot-and-Mouth Disease Outbreak**  
Jason P.H. Jones, Texas A & M University, Jared G. Carlberg, University of Manitoba, and Dustin L. Pendell, Colorado State University
- 9:10 **The Informativeness of Prices as Quality Signals in the Thoroughbred Industry**  
Brian Chezum, St. Lawrence University, and C. Jill Stowe, University of Kentucky

## AGRICULTURAL ECONOMICS

9:30 **Determinants of Profitability Performance: An Analysis of Class I Railroads in the U. S.**  
Albert J. Allen and Albert E. Myles, Mississippi State University, Saleem Shaik, North Dakota State University, and Osei Yeboah, North Carolina A&T State University

9:50 **"Buying Local" Means "Selling Local" - Using a Transportation Alliance of Environmental Horticulture Producers in Georgia**  
Forrest Stegelin, Jack Houston, Javier Mantilla Compte, Paul Thomas, and Matthew Chappell, University of Georgia

**Monday 8:30 a.m. - 10:10 a.m.**  
**Selected Papers 7**  
**Riviera 1**

Title: **Rural and Community Development**  
Moderator: Olga Murova, Texas Tech University

8:30 **Determinants of Cost Inefficiency of Critical Access Hospitals: A Two-stage, Semi-parametric Approach**  
I. Cristian Nedelea and J. Matthew Fannin, Louisiana State University AgCenter

8:50 **Pure Entertainment or Social Harmony? Understanding Private Returns to Social Spending on Household Ceremonies in China**  
Xi Chen, Cornell University

9:10 **A Simultaneous Growth Equilibrium Model for Telecommunications and Economic Growth: Evidence from Sub-Saharan Africa (SSA)**  
Chali Nondo, Albany State University, Mulugeta S. Kahsai and Peter V. Schaeffer, West Virginia University

9:30 **Measuring Fiscal Effects Based on Changes in Deepwater Off-shore Drilling Activities**  
Caroline Boen, Arun Adhikari, and J. Matthew Fannin, Louisiana State University AgCenter, and Walter R. Keithly, Louisiana State University

9:50 **Examining the Impact of Human Capital on Employment and Income in Mississippi**  
Maribel N. Mojica and Wesley L. Whittaker, Alcorn State University

**10:10 - 10:30 Break: Refreshments served in Marina Ballrooms Lobby**

## AGRICULTURAL ECONOMICS

**Monday 10:30 a.m. - 11:50 a.m.**  
**Selected Papers 8**  
**Padre Island A**

Title: **Extension/Production Economics**  
Moderator: John Michael Riley, Mississippi State University

10:30 **The Relevance of Information Sources on Adoption of Precision Farming Technologies by Cotton Producers**  
Carlos I. García-Jiménez and Ashok K. Mishra, Louisiana State University

10:50 **Evaluating the Feasibility of Expanding Direct Marketing Opportunities for Small Producers in Alcorn County, Mississippi**  
Albert E. Myles, Patrick Poindexter, and Albert J. Allen, Mississippi State University

11:10 **Searching for the Golden Grail: An Optimal Soybean Marketing Frequency Strategy**  
C. Robert Stark, Jr., Kelly J. Bryant, and Paul B. Francis, University of Arkansas at Monticello/UA-SEREC

11:30 **What is the Potential for Irrigated Introduced Pecan Orchards in the Southern Plains?**  
Job D. Springer and Charles Rohla, The Samuel Roberts Noble Foundation, and Wyatt Swinford, Oklahoma State University

**Monday 10:30 a.m. - 11:50 a.m.**  
**Selected Papers 9**  
**Padre Island B**

Title: **Teaching/ Resource and Environmental Economics**  
Moderator: Al Myles, Mississippi State University

10:30 **Use of Digital Learning Objects to Improve Student Problem Solving Skills**  
Sandy Mehlhorn, Scott Parrott, Joey Mehlhorn, Timothy Burcham, Jason Roberts, and Philip Smartt, University of Tennessee at Martin

10:50 **The Killer Course Hypothesis: Differences between Agriculture Students and Non-Agriculture Students**  
Justin G. Gardner, Middle Tennessee State University

11:10 **Economic Feasibility of Adopting High Tunnel Technology by Small Farmers**  
Veeranand Konangi, Randall D Little, Ken Hood, Kalyn Coatney, and Kim Morgan, Mississippi State University

## AGRICULTURAL ECONOMICS

11:30 **Winter Safflower Biodiesel: A Green Biofuel for the Southern High Plains**  
Bing Liu and Aaron Benson, Texas Tech University

**Monday 10:30 a.m. - 11:50 a.m.**  
***Selected Papers 10***  
**Padre Island C**

Title: **Agribusiness and Finance**  
Moderator: Rodney Holcomb, Oklahoma State University

10:30 **Producers Cooperative Oil Mill: A Case Study in Cooperative Management**  
Phil Kenkel and Rodney Holcomb, Oklahoma State University

10:50 **Can Weather Derivatives Help Ecuador Rice Producers to Manage Risk?**  
Leonardo Sanchez-Aragon and Dmitry Vedenov, Texas A&M University

11:10 **Structure of Interdependencies among International Stock Markets and Contagion Patterns of 2008 Global Financial Crisis**  
Zafarbek Nematovich Ahmedov and David Bessler, Texas A&M University

11:30 **Factors Influencing Successful Small-Farm Operations in North Carolina**  
Anthony K. Yeboah, John Paul Owens, and Jarvetta S. Bynum, North Carolina A&T State University

**Monday 10:30 a.m. - 11:50 a.m.**  
***Selected Papers 11***  
**Padre Island D**

Title: **Rural and Community Development**  
Moderator: Garen Evans, Mississippi State University

10:30 **Confined Animal Feeding, Communities, and Social Capital**  
Roman Keeney and Janet Aytres, Purdue University

10:50 **Determinants of Adoption of Conservation Agriculture Technologies by Smallholder Farmers in the Shamva District of Zimbabwe: A Tobit Application**  
Brian Chiputwa, University of Georgia, Augustine S. Langyintuo, Alliance for a Green Revolution in Africa (AGRA), and Patrick Wall, International Maize and Wheat Improvement Center (CIMMYT),

## AGRICULTURAL ECONOMICS

11:10 **Impact of the Green Revolution on Changes in Forest Cover in Developing Countries: A Causality Assessment**  
Ruth A. Aisabokhae, Padmaja Pancharatnam, Piya Abeygunawardena, and Bruce McCarl, Texas A&M University

11:30 **An Optimal Control Framework to Address the Relationship between Water Resource Management and Water-borne Health Impacts: Focus on the Texas Lower Rio Grande Valley**  
Andrew J. Leidner, Ronald D. Lacewell, M. Edward Rister, and Allen W. Sturdivant, Texas A&M University

**Monday 10:30 a.m. - 11:50 a.m.**  
***Selected Papers 12***  
**Duval**

Title: **Food Consumption, Safety and Policy**  
Moderator: Ron Rainey, University of Arkansas

10:30 **Demographic and Economic Profiling of US Demand for Probiotics: The Case of Drinkable Yogurt**  
Senarath Dharmasena and Oral Capps, Jr, Texas A&M University

10:50 **An Analysis of Specific Food Safety Events on Consumers' Confidence**  
Jessica I. Hill, Abhishek Bhagwat Bharad, and R. Wes Harrison, Louisiana State University

11:10 **Got (Safe) Milk? Chinese Consumers' Valuation for Select Food Safety Attributes**  
David L. Ortega, H. Holly Wang, and Nicole J. Olynk, Purdue University, Laping Wu, China Agricultural University, and Junfei Bai, Center for Chinese Ag. Policy

11:30 **What Do Haitians Need After the Earthquake?**  
Rock André and Jayson Lusk, Oklahoma State University

**Monday 10:30 a.m. - 11:50 a.m.**  
***Selected Papers 13***  
**Riviera 1**

Title: **Research and Quantitative Methods/ Ag Policy**  
Moderator: Jesse Tack, Mississippi State University

## AGRICULTURAL ECONOMICS

10:30 **Optimal Coverage Level Choice with Individual and Area Plans of Insurance**  
Harun Bulut, Keith Collins, and Tom Zacharias,  
National Crop Insurance Services (NCIS)

10:50 **What Can We Learn from Our Mistakes? Evaluating the Benefits of Correcting Inefficiencies in USDA Cotton Forecasts**  
Olga Isengildina-Massa, David Tysinger, and Patrick Gerard, Clemson University, and Stephen MacDonald, Economic Research Service, USDA

11:10 **Multi-year Water Allocation: A Policy Analysis for Groundwater Management and Conservation for Irrigated Agriculture**  
Rachna Tewari, Texas Tech University, and Lal K. Almas and David G. Lust, West Texas A&M University

**Monday 10:30 a.m. - 11:50 a.m.**  
**Organized Symposium 1**  
**Keleberg**

Title: **Economic Impacts of U.S. Agricultural Trade on the South**

Organizers: Flynn Adcock and Parr Rosson, Texas AgriLife/Texas A&M University

Moderator: Mickey Paggi, California State University-Fresno

Presenters:

1. Flynn Adcock and Parr Rosson, Texas A&M University, *Impacts of Agricultural Exports on the South*
2. Parr Rosson and Flynn Adcock, Texas A&M University, *Southern U.S. Exports to Cuba*
3. Lynn Kennedy, Louisiana State University, *Import Competition Impacts on Sugar and Crawfish*
4. Jaime Malaga, Texas Tech University, *Recent Trends in U.S. Cotton and Sorghum Exports and their Impacts on the South*

Discussant: Mickey Paggi, California State University Fresno

## AGRICULTURAL ECONOMICS

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**11:50 - 1:15 43<sup>rd</sup> Annual SAEA Meetings Luncheon**

(Note: Omni Hotel Bayfront Tower is located two blocks from the Omni Hotel Marina Tower on Shoreline Boulevard)

**Welcome**  
**Michael R. Reed, SAEA President**

**Presidential Address**  
**Darren Hudson**  
**"Defining" Our Future**  
**Bayfront – Corpus Christi Ballroom B/C**

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**Monday 1:15 p.m. - 3:00 p.m.**  
**Invited Papers 1**  
**Riviera 2**

Title: **Applications and Innovations in Spatial Econometrics**

Organizers: Michael C. Farmer and Eric Belasco, Texas Tech University

Moderator: Eric Belasco, Texas Tech University

Presenters:

1. **Spatial Approaches to Panel Data in Agricultural Economics**  
Kathy Baylis and Nick Paulson, University of Illinois, and Gianfranco Piras, University of West Virginia
2. **Business Establishment Growth and Technology Clusters in Appalachia, 2000-2007: An Exploration with Smooth Transition Spatial Process Models**  
Dayton Lambert and Wan Xu, University of Tennessee
3. **Using Spatial Statistics to Integrate Engineering, Biological and Economic Models for Long Run Land Use Policy and Planning**  
Michael C. Farmer and Eric Belasco, Texas Tech University, and Sujit Ghosh, North Carolina State University

Discussant: James LeSage, University of Texas at San Marcos

## AGRICULTURAL ECONOMICS

Monday 1:15 p.m. - 3:00 p.m.

*Invited Papers 2*  
Riviera 1

Title: **Economic Sustainability of Rural Areas**

Organizer: Olga Murova, Texas Tech University

Moderator: Olga Murova, Texas Tech University

Presenters:

1. **Determinants of Returns on Investment in Rural Tourism**  
Olga Murova, Texas Tech University, and Roger Hanagriff, Texas A&M Kingsville
  2. **Marketing Promotion of Texas Agricultural Products: Impacts on Rural Economies**  
Jaime Malaga and Bing Xu, Texas Tech University
  3. **Viability of Organic Production in Rural Counties: County and State Level Evidence from the US**  
Genti Kostandini, University of Georgia, Elton Mykerezi, University of Minnesota, and Eftila Tanellari, Virginia Tech
- Discussant: Douglass Constance, Sam Houston State University

**3:00 - 3:20 Break: Refreshments served in Marina Ballrooms Lobby**

Monday 3:20 p.m. - 5:00 p.m.

*Selected Papers 14*  
Padre Island A

Title: **Production Economics**

Moderator: Ken Paxton, Louisiana State University

- 3:20 **A Categorical Data Analysis on Risk Preferences of US Farmers**  
Hiroki Uematsu and Ashok, K. Mishra, Louisiana State University
- 3:40 **Economically Efficient Cow Size Selection Using the Product/Product Model**  
Kelly J. Bryant and Thomas G. Montgomery, University of Arkansas, and Whitney A. Whitworth and C. Robert Stark, Jr., University of Arkansas at Monticello
- 4:00 **Measuring the Relative Profitability of Mid-South Cotton Production from an Alternative Gin Seed Rebate Model**  
J. Matthew Fannin and Kenneth W. Paxton, Louisiana State University AgCenter

## AGRICULTURAL ECONOMICS

4:20 **Farmers' Perceptions about Spatial Yield Variability and Precision Farming Technology Adoption: An Empirical Study of Cotton Production in 12 Southeastern States**

Sofia Kotsiri and Roderick Rejesus, North Carolina State University, and Margarita Velandia, University of Tennessee

4:40 **Homogeneity of Farm Labor: A Dual Approach**

Jeremy M. D'Antoni, Ashok K. Mishra, and Jeffrey M. Gillespie, Louisiana State University

Monday 3:20 p.m. - 5:00 p.m.

*Selected Papers 15*  
Padre Island B

Title: **Food Consumption, Safety and Policy**

Moderator: John Park, Texas A&M University

- 3:20 **Investigating Professional Orientation and Sustainability Preferences: A Mixed Methods Sequential Approach**  
Carly S. Whorton and Vincent Amanor-Boadu, Kansas State University
- 3:40 **Is Chocolate Milk the New-Age Energy/Sports Drink in the U. S.?**  
Senarath Dharmasena and Oral Capps, Jr., Texas A&M University
- 4:00 **Factors Impacting Participation and Purchases by Members of the Oklahoma Food Cooperative**  
Rodney B. Holcomb and Philip Kenkel, Oklahoma State University
- 4:20 **Socio-Economic and Demographic Factors Affecting the Likelihood of Being an Overweight Korean Woman**  
Padmanand Madhavan Nambiar and Wojciech J. Florkowski, University of Georgia, and Dong-Kyun Suh, Rural Development Administration, Republic of Korea
- 4:40 **Community Food Store Types Availability Is Associated with Fruit and Vegetable Consumption in North Carolina**  
Kofi Adu-Nyako and Ralph Okafor, North Carolina A&T State University

## AGRICULTURAL ECONOMICS

Monday 3:20 p.m. - 5:00 p.m.  
*Selected Papers 16*  
Padre Island C

Title: **Resource and Environmental Economics**  
Moderator: Susana Ferreira, University of Georgia

- 3:20 **It Pays to Be Green: A Hedonic Stock Price Model for Environmental Behavior Among Large US Firms**  
Muhammad S. Ahmadin, University of Kentucky and Sullivan University
- 3:40 **An Ethanol Blend Wall Shift Is Prone to Increase Petroleum Gasoline Demand**  
Cheng Qiu and Michael E. Wetzstein, University of Georgia, and Zibin Zhang, Zhejiang University, China
- 4:00 **Manure Application Rules and Environmental Considerations**  
Raymond E. Massey, University of Missouri, and Haluk Gedikoglu, Lincoln University of Missouri
- 4:20 **A Comparison and Evaluation of Agricultural Nonpoint Source Credits in Chesapeake Bay Water Quality Trading Programs**  
Annah Latane and Kurt Stephenson, Virginia Tech
- 4:40 **Applied Theory of Energy Substitution in the Southeast: An SUR Approach**  
Osei Yeboah and Obed Quaicoe, NC A&T State University, Henry Thompson, Auburn University, and Saleem Shaik, North Dakota State University

Monday 3:20 p.m. - 5:00 p.m.  
*Selected Papers 17*  
Padre Island D

Title: **Farm Management**  
Moderator: Gregg Ibendahl, Mississippi State University

- 3:20 **Motivation for Technology Adoption and Its Impact on Abandonment: A Case Study of US Cotton Farmers**  
Hiroki Uematsu and Ashok K. Mishra, Louisiana State University

## AGRICULTURAL ECONOMICS

- 3:40 **Equal or Just? Intergenerational Allocations within Family Farm Businesses**  
Kelly Y. Lange, Jeffrey W. Johnson, Darren Hudson, Phillip N. Johnson, and Bill Gustafson, Texas Tech University

- 4:00 **Integrated On Farm Decision Making: Economic Implications of Increased Variation in Litter Size**  
David Widmar, Nicole Olynk, Allan Schinckel, and Brian Richert, Purdue University

- 4:20 **Utilizing Cow-Calf Producer Information to Increase Profits in Retained Ownership of Beef Cattle**  
Brian R. Williams, Oklahoma State University, and Matthew C. Stockton, University of Nebraska-Lincoln

- 4:40 **Economic Feasibility of Commercial Algae Oil Production in the US**  
Bart Fischer, James Richardson, and Joe Outlaw, Texas A&M University, and Marc Allison, Kansas Farm Management Association

Monday 3:20 p.m. - 5:00 p.m.  
*Selected Papers 18*  
Duval

Title: **Agricultural Policy**  
Moderator: Olga Isengildina, Clemson University

- 3:20 **Customizable Area Whole Farm Insurance (CAWFI)**  
Lekhnath Chalise, Keith H. Coble, and Barry J. Barnett, Mississippi State University
- 3:40 **Impact of US Corn-based Ethanol Production on Land Use**  
Folakemi Sobowale, Mike Dicks, and Jody Campiche, Oklahoma State University
- 4:00 **The Impact of Biofuel Mandates and Switchgrass Production on Hay Markets**  
Kwame Acheanpong, Michael R. Dicks, and Brian D. Adam, Oklahoma State University
- 4:20 **Measuring the Impact of Immigration Reform on US Agriculture**  
Amber Remble and Roman Keeney, Purdue University
- 4:40 **Estimation of Irrigation Water Demand: A Case Study for the Texas High Plains**  
Naveen C. Adusumilli, Ronald D. Lacewell, and M. Edward Rister, Texas A&M University

## AGRICULTURAL ECONOMICS

Monday 3:20 p.m. - 5:00 p.m.

### ***Selected Papers 19*** **Keleberg**

Title: **International Agriculture and Trade**

Moderator: Osei Yeboah, North Carolina A&T State University

3:20 **Effects of China's Anti-dumping Tariffs on US-China Bilateral Poultry Trade**

Xiaofei Li, Lewell F. Gunter, and James E. Epperson, University of Georgia

3:40 **Evaluating the Role of Migration on Efficiency and Productivity of the Domestic Economy**

Anna Glazyrina, Anais Liogier, and Saleem Shaik, North Dakota State University

4:00 **Efficiency Measure in Nitrogen Management under US Corn Production**

Osei Yeboah, Cihat Gunden, and Akua Akuffo, NC A&T State University, and Albert Allen, Mississippi State University

4:20 **The Impact of Market Structure on Burkina Faso's Cotton Sector Competitiveness**

Emmanuel Tumusiime and Jeffrey Vitale, Oklahoma State University, and Felix G. Baquedano, Economic Research Service, USDA

4:40 **World Agriculture Organization (WAO): New Global Governance for Climate Change, Sustainability, Food Security, and Trade**

Wanki Moon, Southern Illinois University, Won W. Koo, North Dakota State University, and Changgil Kim, Korea Rural Economic Institute

Monday 3:20 p.m. - 5:00 p.m.

### ***Organized Symposium 2*** **Riviera 2**

Title: **Food Safety Policy and Impacts to Producers, Consumers and International Trade**

Organizers: Luis Ribera, Texas A&M University and Mickey Paggi, California State University, Fresno

Moderator: Luis Ribera, Texas A&M University

## AGRICULTURAL ECONOMICS

Presenters:

1. Mickey Paggi, California State University, Fresno, *Food Safety Compliance Costs at Firm Level*
2. Marco Palma, Texas A&M University, *Consumer Response to Food Safety Outbreaks*
3. Ron Knutson, Texas A&M University, *Food Safety Policy, Where Are We and Where Are We Going?*
4. James Seale, University of Florida, *Food Safety Policy Impact on International Trade*

Monday 3:20 p.m. - 5:00 p.m.

### ***Organized Symposium 3*** **Riviera 1**

Title: **Market News Service and Its Role in Price Discovery: Past, Present and Future Directions for the Service in Southern States**

Organizer: R. Pruitt, Louisiana State University

Moderator: R. Curt Lacy, University of Georgia

Presenters:

1. James Robb, Livestock Marketing Information Center, Lakewood, Colorado,
2. Warren P. Preston, Agricultural Marketing Service, USDA
3. R. Curt Lacy, University of Georgia

Monday 5:15 p.m. -7:00 p.m.

### ***SAEA Business Meeting and Awards Program*** **Riviera 1 and 2**

Monday 7:00 p.m. - 9:00 p.m.

### ***Undergraduate Student Reception***

A 2-hour cruise on Corpus Christi Bay with the Majestic Yacht Company. Departure from Texas State Aquarium, boarding begins at 6:40 pm, departure at 7:00pm.

### **MUST WEAR SAEA NAME** **BADGE TO BOARD**

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Tuesday 8 a.m. - 5 p.m.

### ***Registration*** **Ballrooms Lobby**

Tuesday 8:00 a.m. - 10:00 a.m.

### ***Keynote Speaker Breakfast*** **James Dodson**

***"Questions from the Country"***  
**Riviera 1, 2, and 3**

## AGRICULTURAL ECONOMICS

10:00 - 10:15 Break: Refreshments served in  
Marina Ballrooms Lobby

Tuesday 10:15 a.m. - 12 noon  
*Poster Session*  
Marina Ballrooms Lobby

Tuesday 10:15 a.m. - 12 noon  
*Invited Papers 3*  
Riviera 4

Title: **Impacts and Outcomes of Evolving  
Bioenergy Policy in the South**

Organizers: Keith Coble and Corey Miller, Mississippi  
State University

Moderator: Corey Miller, Mississippi State University

Presenters:

1. **Policies to Facilitate Conversion of Millions of  
Acres to the Production of Biofuel Feedstock**  
Francis Epplin and Mohua Haque, Oklahoma  
State University
2. **Modeling Interactions of a Carbon Offset  
Policy and Biomass Markets on Crop  
Allocations**  
Michael Popp and Lanier Nalley, University of  
Arkansas
3. **Incentives Matter: Assessing Biofuel Policies  
in the South**  
Keith Coble and Corey Miller, Mississippi State  
University

Tuesday 10:15 a.m. - 12 noon  
*Invited Papers 4*  
Riviera 5

Title: **Water Scarcity—Future Uses and  
Implications for Policy**

Organizer: Jeff Johnson, Texas Tech University

Moderator: Jeff Johnson, Texas Tech University

Presenters:

1. **Water Conservation Policies to Mitigate  
Declining Groundwater Availability in High  
Plains Aquifer**  
Jeff Johnson, Texas Tech University
  2. **Projecting and Planning Water Use in Georgia**  
Jeff Mullen, University of Georgia
  3. **Challenges and Opportunities for the Rio  
Grande**  
Ed Rister, Texas A&M University
- Discussant: David Willis, Clemson University

## AGRICULTURAL ECONOMICS

Tuesday 10:15 a.m. - 12 noon  
Lifetime Achievement Symposium  
Padre Island C

### 2011 Award Winners

Patricia A. Duffy, Auburn University  
C. Parr Rosson, III, Texas A&M University  
Steven C. Turner, Mississippi State University

Tuesday 12 noon - 1:20 p.m.  
Lunch Break

Tuesday 1:20 p.m. - 3:00 p.m.  
*Selected Papers 20*  
Padre Island C

Title: **Marketing and Industrial Organization**

Moderator: Kalyn Coatney, Mississippi State  
University

- 1:20 **Promoting a Local Brand: Assessing the  
Economic Impact of the Texas Superstar®  
and Earth-Kind® Advertisement Campaign**  
Alba J. Collart and Marco A. Palma, Texas  
A&M University, and Carlos E. Carpio,  
Clemson University
- 1:40 **Market Coordination in the Beef Stocker  
Sector: Short and Long Run Impacts of  
Higher Corn Prices**  
Derrell S. Peel, Oklahoma State University
- 2:00 **The Role of Specialty Food Stores and  
Farmers' Markets in the Procurement of  
Local Foods**  
Sarah E. Wixson, Ani L. Katchova, Timothy  
Woods, and Wuyang Hu, University of  
Kentucky
- 2:20 **Local Food Procurement and Promotion  
Strategies of Food Cooperatives**  
Ani L. Katchova and Timothy A. Woods,  
University of Kentucky
- 2:40 **Demand System Estimation: An Application  
to Merger Simulations in the US Coffee  
Industry**  
Margil Funtanilla and Benaissa Chidmi, Texas  
Tech University

## AGRICULTURAL ECONOMICS

Tuesday 1:20 p.m. - 3:00 p.m.  
*Selected Papers 21*  
Keleberg

Title: **Potpourri**

Moderator: Forrest Stegelin, University of Georgia

- 1:20 **The Causality of Foreign Direct Investment and Its Effects on Economic Growth: Re-estimated Using Directed Graphs**  
Yarui Li, Joshua D. Woodard, and David J. Leatham, Texas A&M University
- 1:40 **Determinants of Swine Farm Sale Prices Under a De Facto Moratorium**  
Kelly Zering, Guido van der Hoeven, and Sofia Kotsiri, North Carolina State University
- 2:00 **Dynamic Analysis of Land Prices with Flexible Risk Aversion Coefficients Using Panel Data**  
Jin Xu and David Leatham, Texas A&M University
- 2:20 **Income Convergence in the South: Myth or Reality?**  
Buddhi "Raj" Gyawali, Swagata "Ban" Banerjee, Anquinette Hill, and James O. Bukenya, Alabama A&M University
- 2:40 **Estimation of a Composite Food Demand System for the U. S.-A Revisit**  
Haobo Luo and Chung L. Huang, University of Georgia, and Biing-Hwan Lin, Economic Research Service, USDA

Tuesday 1:20 p.m. - 3:00 p.m.  
*Selected Papers 22*  
Riveria 5

Title: **Production Economics**

Moderator: Phil Kenkel, Oklahoma State University

- 1:20 **Urban Influence on Costs of Production in the Corn Belt: How Climate Change and the Ethanol Mandate Matter**  
Andrew Martin, University of Maryland, Richard Nehring, Ken Erickson, Charlie Hallahan, and David Nulph, Economic Research Service, USDA

## AGRICULTURAL ECONOMICS

- 1:40 **The Economic and Financial Implications of Supplying a Bioenergy Conversion Facility with Cellulosic Biomass Feedstocks**  
Will A. McLaughlin, Ann E. Conrad, M. Edward Rister, Ronald D. Lacewell, Larry L. Falconer, Juerg M. Blumenthal, William L. Rooney, Allen W. Sturdivant, and Dean McCorkle, Texas A&M University
- 2:00 **Effect on Nitrogen Use among Conventional and Organic Corn Farms Adopting Cover Crops – An Empirical Analysis**  
Sachin Chintawar and John Westra, Louisiana State University, and Gnel Gabrielyan, Washington State University
- 2:20 **Modeling Crop Yield Distribution Using Frontier Linear Response Stochastic Plateau Function**  
B. Wade Brorsen, Emmanuel Tumusiime, and Chris Boyer, Oklahoma State University.
- 2:40 **The Prediction of Wheat Yield and Quality Using Meso-Scale Weather Data**  
Byoung-Hoon Lee, Phil Kenkel, and B. Wade Brorsen, Oklahoma State University

Tuesday 1:20 p.m. - 3:00 p.m.  
*Selected Papers 23*  
Padre Island A

Title: **Resource and Environmental Economics**  
Moderator: Mike Gunderson, University of Florida

- 1:20 **Impact of GE Crop Adoption on Quality-Adjusted Pesticide Use**  
Richard Nehring, Jorge Fernandez-Cornejo, and Charlie Hallahan, Economic Research Service, USDA, Andrew Martin, Alexandre Vialou, and Seth Wechsler, University of Maryland, and Arthur Grube, USEPA
- 1:40 **Using Multiple-Scenario Contingent Valuation Data to Estimate Willingness to Pay for Restoration of Mississippi's Barrier Islands**  
GwanSeon Kim, Daniel R. Petrolia, and Matthew Interis, Mississippi State University
- 2:00 **The Effect of Water Use and Water Availability on Optimal Cropping Patterns on the Texas High Plains**  
Andrew Wright and Darren Hudson, Texas Tech University

## AGRICULTURAL ECONOMICS

- 2:20 **Modeling Pine as a Carbon Sequestering Crop in Arkansas**  
Stephen A. Smith, Michael Popp, and L. Lanier Nalley, University of Arkansas
- 2:40 **Effect of Agricultural Activity on River Water Quality: A Case Study for Lower Colorado River Basin**  
Naveen C. Adusumilli, Ronald D. Lacewell, M. Edward Rister, Joshua D. Woodard, and Allen W. Sturdivant, Texas AgriLife Research and Extension

**Tuesday 1:20 p.m. - 3:00 p.m.**  
**Selected Papers 24**  
**Padre Island B**

Title: **Farm Management**

Moderator: Ken Hood, Mississippi State University

- 1:20 **Economic Analysis of Cellulosic Feedstock for Bioenergy in the Texas Rio Grande Valley**  
Ann E. Conrad, Will A. McLaughlin, M. Edward Rister, Ronald D. Lacewell, Larry L. Falconer, Juerg M. Blumenthal, William L. Rooney, Allen W. Sturdivant, and Dean McCorkle, Texas A&M University
- 1:40 **The Impacts of Farm Size and Economic Risk on No-Till Rice Whole-Farm Profitability**  
K. Bradley Watkins, Jeffrey A. Hignight, and Merle M. Anders, University of Arkansas
- 2:00 **Stocking Rates of Cattle under Rotational Grazing: The Influence on Farm Profitability**  
Jeffrey Gillespie, Wayne Wyatt, David Blouin, Weldon Nipper, and Robert Boucher, Louisiana State University, and Brad Venuto, Agricultural Research Service, USDA
- 2:20 **Profitability at Various Stages of Production in Oklahoma Beef Cattle Using Three Common Retention Strategies**  
Brian R. Williams and Eric A. Devuyst, Oklahoma State University
- 2:40 **Optimal Marketing Strategies for Southeastern Cattle Producers**  
J. Ross Pruitt, Louisiana State University AgCenter and John Michael Riley Mississippi State University

## AGRICULTURAL ECONOMICS

**Tuesday 1:20 p.m. - 3:00 p.m.**  
**Selected Papers 25**  
**Riviera 4**

Title: **Agricultural Policy**

Moderator: Jesse Tack, Mississippi State University

- 1:20 **Real Options Examination of Producer Willingness to Switch to Energy Crops in the US**  
Jonathon Little, Keith H. Coble, and Daniel R. Petrolia, Mississippi State University
- 1:40 **The Farm Level Impacts of Replacing Current Farm Programs with a Whole Farm Revenue Program**  
J. Marc Raulston, James W. Richardson, Joe L. Outlaw, and George M. Knapek, Texas A&M University
- 2:00 **Investigating the Redundancies in Current Farm Programs**  
George M. Knapek, James W. Richardson, and Joe L. Outlaw, Texas A&M University
- 2:20 **Preparedness of the Arkansas Grain and Oilseed Industry for Bioterrorism**  
Vivek Nemane, Rita Carreira, Diana Danforth, and Eric Wailes, University of Arkansas
- 2:40 **Analysis of US Rice Policy in a Global Stochastic Framework**  
Eddie C. Chavez and Eric J. Wailes, University of Arkansas

**Tuesday 1:20 p.m. - 3:00 p.m.**  
**Selected Papers 26**  
**Padre Island D**

Title: **International Agriculture and Trade**

Moderator: Wes Harrison, Louisiana State University

- 1:20 **Hybrid Rice and Its Impact on Food Security and the Pattern of Global Production and Trade**  
Alvaro Durand-Morat, Eddie C. Chavez, and Eric Wailes, University of Arkansas
- 1:40 **United States Chicken and Grain Exports to Mexico: Competing for the Same Market?**  
Teresa Duch-Carvalho and Jaime Malaga, Texas Tech University

## AGRICULTURAL ECONOMICS

- 2:00 **Competiveness of Latin American Exports in the US Banana Market**  
Andrew Muhammad and Steven Zahniser,  
Economic Research Service, USDA, and Greg  
E. Fonsah, University of Georgia
- 2:20 **An Analysis of the Import Demand for Fresh Bananas in the US**  
Chia-Hsien Su, Ariun Ishdorj, and David J.  
Leatham, Texas A&M University
- 2:40 **Restricted Source Differentiated Almost Ideal Demand System Estimation for US Apple Juice Imports**  
Dawit Kelemework Mekonnen and Esendugue  
Greg Fonsah, University of Georgia

**Tuesday 1:20 p.m. - 3:00 p.m.**  
**Selected Papers 27**  
**Riviera 2**

Title: **Marketing and Industrial Organization**  
Moderator: Joey Melhorn, University of Tennessee at  
Martin

- 1:20 **Livestock Market Integration and Price Discovery: Case of Mali**  
Jean Claude Bizimana and David Bessler,  
Texas A&M University
- 1:40 **Do Consumers See a Difference Between “Locally Grown” and “State Grown” Attributes?**  
Mohammed Ibrahim, Fort Valley State  
University
- 2:00 **Analysis of Vertical Chain in the Milk Market**  
Vardges Hovhannisyan and Kyle W. Stiegert,  
University of Wisconsin-Madison
- 2:20 **Estimating Market Power via Systems Approach: Milk in the US**  
Vardges Hovhannisyan and Brian W. Gould,  
University of Wisconsin-Madison
- 2:40 **Analysis of Texas Winery Visitor Spending and GOTEXAN Efforts to Promote Winery Tourism**  
Roger D. Hanagriff, Texas A&M Kingsville, and  
Olga Murova, Texas Tech University

## AGRICULTURAL ECONOMICS

**Tuesday 1:20 p.m. - 3:00 p.m.**  
**Organized Symposium 4**  
**Riviera 3**

- Title: **Promoting Local: A Look at State Agricultural Marketing Programs**  
Organizers: Carlos E. Carpio, Clemson University  
and Marco A. Palma, Texas A&M  
University  
Moderator: Marco A. Palma, Texas A&M University  
Presenters:
1. Richard de los Santos, Texas Department of  
Agriculture, *An Inside View of State Promotion  
Programs*
  2. Timothy A. Woods, University of Kentucky,  
*State Promotion Programs: Complements and  
Conflicts with the Local Foods Movement*
  3. Carlos E. Carpio, Clemson University, *Nothing’s  
Fresher, Nothing’s Finer: The certified South  
Carolina Grown Program*
  4. Marco Palma, Texas A&M University,  
*Promoting Ornamental Plants: Texas Super  
Star and EarthKing Branding Programs*

**Tuesday 1:20 p.m. - 3:00 p.m.**  
**Organized Symposium 5**  
**Riviera 1**

- Title: **The Role of Economics in Plant Health Protection Regulations**  
Organizers: Marisa L. Zansler APHIS, USDA  
Moderator: Marisa L. Zansler, APHIS, USDA  
Presenters:
1. Marisa L. Zansler, APHIS, USDA
  2. Cindy Howard, APHIS, USDA
  3. C. Parr Rosson, Texas AgriLife Extension  
Service
  4. David Orden, Virginia Tech

**3:00 - 3:20 Break: Refreshments served in  
Marina Ballrooms Lobby**

**Tuesday 3:20 p.m. - 5:00 p.m.**  
**Selected Papers 28**  
**Riviera 2**

- Title: **Food Consumption, Safety, and Policy**  
Moderator: Tim Woods, University of Kentucky
- 3:20 **Alcoholic Beverages and Cigarettes: Complements or Substitutes? A Pseudo Panel Approach**  
Aycan Koksall and Michael Wohlgenant, North  
Carolina State University

## AGRICULTURAL ECONOMICS

- 3:40 **Estimating US Household Seafood Demand Based on Longitudinal and Cross-Sectional Data**

Huabo Wang and Walter R. Keithly, Louisiana State University

- 4:00 **Assessment of US Agriculture Sector and Human Vulnerability to a Rift Valley Fever Outbreak**

Randi C. Hughes-Fraire, Amy Hagerman, and Bruce A. McCarl, Texas A&M University, and Holly Gaff, Old Dominion University

- 4:20 **Alabama Restaurant Preferences and Willingness to Pay for Local Food: A Choice Based Approach**

Kenesha Reynolds-Allie and Deacue Fields, Auburn University

- 4:40 **Contingent Valuation & Perceived Efficacy of Oyster Post-Harvest Processing**

Emily A. Fox and Ariun Ishdorj, Texas A&M University, William L. Huth and Richard Sjolander, University of West Florida, Gregory S. Martin, Northern Kentucky University, and O. Ashton Morgan and John C. Whitehead, Appalachian State University

**Tuesday 3:20 p.m. - 5:00 p.m.**

***Selected Papers 29***

**Duval**

Title: **Production Economics**

Moderator: Albert Allen, Mississippi State University

- 3:20 **Evaluation of Current Yield Guarantee and Producer Welfare under Upward Trending of APH Yield**

Shyam Adhikari, Eric J. Belasco, and Thomas O. Knight, Texas Tech University

- 3:40 **Moderate versus Big Cows: Do Big Cows Carry Their Weight on the Ranch?**

Damona Doye and David Lalman, Oklahoma State University

- 4:00 **Potential Biomass Yields in the South Central US**

Arjun Basnet, Theo Depona, Wesley Hedges, and Michael R. Dicks, Oklahoma State University

- 4:20 **Seawater Desalination for Municipal Water Production**

Andrew J. Leidner, Ronald D. Lacewell, M. Edward Rister, Joshua D. Woodard, and Allen W. Sturdivant, Texas A&M University, and Jacob White, NRS Consulting Engineers

## AGRICULTURAL ECONOMICS

- 4:40 **Economic Potential of Using Hoop House Plasticulture Technology to Produce Fruits and Vegetables**

Jeri Donnell, Jon T. Biermacher, and Steve Upson, The Samuel Roberts Noble Foundation, Inc.

**Tuesday 3:20 p.m. - 5:00 p.m.**

***Selected Papers 30***

**Padre Island A**

Title: **Resource and Environmental Economics**

Moderator: Garen Evans, Mississippi State University

- 3:20 **Methods for Estimating Economic Damages from Environmental Contamination**

Dave Shideler and Michael R. Dicks, Oklahoma State University

- 3:40 **Cost-Efficient Valuation of Aesthetic Amenities**

Jack Andrew Purvis, Elizabeth Kramer, and Jeffery H. Dorfman, University of Georgia

- 4:00 **Biomass for Advanced Biofuels: Implications for North Carolina Agriculture**

Prince Kyei, Godfrey Ejimakor, and Ralph Okafor, North Carolina A&T State University

- 4:20 **Flood Insurance along the Gulf and Florida**

Jihyun Lee and Daniel R. Petrolia, Mississippi State University

- 4:40 **The Impact of Spatial Heterogeneity in Land Use Practices and Aquifer Characteristics on Groundwater Conservation Policy Cost**

David B. Willis, Clemson University, Jeff Stovall, Espey Consultants, Inc., and Jeffrey Johnson, Ken Rainwater, Lucia S. Barbato, Kevin Mulligan, and Ernest B. Fish, Texas Tech University

**Tuesday 3:20 p.m. - 5:00 p.m.**

***Selected Papers 31***

**Padre Island B**

Title: **Farm Management**

Moderator: Ken Hood, Mississippi State University

- 3:20 **The Effectiveness of Proposed Dairy Margin Insurance at Managing Margin Risk**

Brian K. Herbst, David P. Anderson, Joe L. Outlaw, and James W. Richardson, Texas A&M University

## AGRICULTURAL ECONOMICS

- 3:40 **Determining Key Factors of Influence on the Profitability**  
Zakou Amadou, Kellie Curry Raper, and Clement E. Ward, Oklahoma State University, and Jon Biermacher and Billy Cook, Samuel Roberts Noble Foundation
- 4:00 **Influence of Mechanical Harvesting on Subsequent Citrus Crop Yields: Is there a Lag-Effect?**  
Katrina R. Leonard, Fritz M. Roka, and Lisa A. House, University of Florida
- 4:20 **Reasons for Adopting Precision Farming: A Case Study of US Cotton Farmers**  
Mahesh Pandit, Ashok K. Mishra, and Krishna P. Paudel, Louisiana State University
- 4:40 **Analyzing Past Ranch Profitability from Varying Marketing Decision Scenarios for Cow-Calf Production**  
Benjamin L. Turner, Roger D. Hanagriff, and Ryan D. Rhoades, Texas A&M-Kingsville, and Luis O. Tedeschi, Texas A&M

**Tuesday 3:20 p.m. - 5:00 p.m.**  
**Organized Symposium 6**  
**Riviera 3**

- Title: **The Economics of the Deepwater Horizon Spill on the South**  
Organizers: Lisa House, University of Florida and Gail L. Cramer, Louisiana State University  
Moderator: Gail L. Cramer, Louisiana State University  
Presenters:
1. Charles Adams, University of Florida, *Extension Needs and a Marine Economist's Perspective*
  2. James M. Fannin, Louisiana State University, *Research Needs and Disaster Resiliency, Impacts on Local Communities*
  3. Rex Caffey, Louisiana State University, *Damage Assessments for Seafood and Fishery: Early Indications?*
  4. Terry Hansen, Auburn University, *Impacts on Tourism*

**Tuesday 6:00 p.m.**  
**SAEA Reception and Dinner at**  
**USS "Lexington"**  
**Buses will leave Omni Hotel at 5:30 pm**

**MUST WEAR SAEA NAME BADGE**  
**TO ENTER THE RECEPTION**

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## AGRICULTURAL EDUCATION

### 2011 PROGRAM

### SOUTHERN REGION CONFERENCE OF THE AMERICAN ASSOCIATION FOR AGRICULTURAL EDUCATION

HELD IN CONJUNCTION WITH THE MEETING OF  
THE SOUTHERN ASSOCIATION OF  
AGRICULTURAL SCIENTISTS

Hosted by:  
University of Arkansas, Department of  
Agricultural Extension and Education

February 5 - 8, 2011 – Corpus Christi, Texas  
Omni Hotel Bayfront Tower/AmericanBank Center

Southern Association of Agricultural Scientists  
(SAAS) Agricultural Education Division Officers  
President and Conference Co-Chair: Don W. Edgar,  
University of Arkansas  
Co-Chairs: Leslie D. Edgar, Donald M. Johnson,  
University of Arkansas  
Vice-President: Rick Rudd, Virginia Tech  
Past President: Craig Edwards, Oklahoma State  
University

American Association for Agricultural Education  
(AAAE) Southern Region Officers  
Vice-President: Tim H. Murphy, Texas A&M  
University  
Alternate Vice-President: Jason Peake, University of  
Georgia  
Secretary: David Jones, North Carolina State  
University

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### Saturday, February 5

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3:00 – 6:00 p.m.  
Registration  
Bayfront Hotel Lobby

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### Sunday, February 6

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8:00 – 10:00 a.m.  
Registration  
AmBank Foyer Room 225

8:00 – 9:00 a.m.  
Graduate Student Breakfast (preregistered)  
AmBank Bayview Ballroom D

## AGRICULTURAL EDUCATION

9:15 – 9:45 a.m.

Vespers

AmBank Room 227

10:00 – 10:20 a.m.

Opening Session

AmBank Bayview Ballroom D

10:30 – 12:00 p.m.

Concurrent Research Session I

Session A: Agricultural Education: Improving Practice

AmBankRoom 225D/E

Relationships Between Agriculture Teaching Efficacy and Decision to Teach Among Agricultural Education Majors  
Stress Levels of Agricultural Science Student Teachers and Cooperating Teachers  
The Relationship between Cooperating Teachers' Leadership Style and Student Teachers' Satisfaction Level  
Developing and Testing An Integrated Global Curriculum for an Introductory High School Agricultural Education Class

Session B: Agricultural Education in Domestic and International Settings  
AmBank Room 227

The Interactions of Instructional Efficacy, Motivational Orientations, and Adult Characteristics on Tenure in the [State] Extension Master Gardener Program  
A Balancing Act: Investigating Graduate Student and Advisor Relationships in Agricultural Leadership, Education, Extension, and Communications  
Stages of Concern Profiles of Agricultural Technical School Teachers in Egypt for Implementing Student Internships  
Corn Clubs: A Historical Inquiry

Session C: Agricultural Education: Certification, Satisfaction and Innovation  
Am Bank Room 226

A Non-Traditional Route to Teacher Certification: Testimonies from Four Teacher Aspirants in Agricultural Education  
An Analysis of North Carolina Public School Superintendents' Awareness of Biotechnology and the Future of Biotechnology Education

## AGRICULTURAL EDUCATION

How Teacher Self-Efficacy and Job Satisfaction Changed During the Entry-Year of Employment of Agriculture Teachers: A Comparison of Certification Types  
Entry-level Technical Skills that Teachers Expected Students to Learn through Participation in the Supervised Agricultural Experience (SAE) Component of Secondary Agricultural Education: A Modified Delphi Study

12:00 – 1:30 p.m.

Luncheon

AmBank Room 225C

1:30 – 2:30 p.m.

SIGs

Bayfront Ballroom D

2:30 – 4:00 p.m.

Research Poster Session

AmBank Foyer Room

A Longitudinal Study of Challenges and Threats from County Extension Program Reviews  
*Melissa Mazurkewicz, Amy Harder, University of Florida*

A Qualitative Approach to Multicultural Intelligences in Agricultural Education  
*Jonathan A. Tubbs, Bryan J. Hains, Stacy K. Vincent, University of Kentucky*

A Qualitative Examination of Successful Collaboration Among Extension Agents and Agricultural Science Teachers: Examples, Barriers, and Enabling Factors  
*Theresa Pesi Murphrey, John Rayfield, Julie Harlin, Kimberley A. Miller, Texas A&M University, Mission Viejo High School*

Agricultural Science Technology Needs: Agricultural Science Teachers Facing the Future in the Classroom  
*Beth Ann Hunt, Don W. Edgar, Leslie D. Edgar, Kristin Pennington, Allyson McGuire, Casandra Cox, University of Arkansas*

An Analysis of Personality Types in Agricultural Leadership Programs  
*Allison Britton, Hannah Carter, University of Florida*

Assessing the Impact of an Academic Internship  
*Mark Kistler, Jackie Bruce, North Carolina State University*

## AGRICULTURAL EDUCATION

- Biodiesel Education: Effects on High School Students' Knowledge and Perceptions  
*Jason A. Davis, Ryan Siebenmorgen, Don Edgar, George W. Wardlow, Donald Johnson, University of Arkansas*
- Comparison of Approaches to Assess the Pre-Service Needs of Student Teachers in Supporting the SAE Portion of Agriculture Education and Demographic Differences that Impact Student Need  
*Roger Hanagriff, John Rayfield, Lance Kieth, Dwayne Pavelock, Texas A&M University – Kingsville, Texas A&M University, Sam Houston State University*
- Comparison of Participants' Satisfaction Levels of Food Safety Workshops Presented in U.S. and Mexico  
*Brittini Drennan, Landi Woolley Campbell, Todd Brashears, Texas Tech University*
- Critical Thinking Evidenced in Graduate Students Blogs  
*Viviana Giraud, Holly Cain, Nicole Stedman, Gregory Gifford, University of Florida*
- Difference in the Level of Synthesis of Leadership Life Skills Among 4-H Program Alumni  
*Jessica Anderson, Jackie Bruce, North Carolina State University*
- Do They or Don't They? Only their Agricultural Science Teachers Know for Sure  
*Kirk Edney, Texas A&M University*
- Education in a Technological World: An Analysis of Online Teaching Resources  
*Bart E. Gill, Carla Jagger, Andrew Adams, Jeremy Falk, John Hall, Jed Bookman, Rachel Valenti, Katrina Swinehart, Texas A & M University, The Ohio State University*
- Essential Agricultural Mechanics Skills for Beginning Agricultural Educators: A Delphi Approach  
*P. Ryan Saucier, Billy R. McKim, John D. Tummons, Texas State University, Texas A&M University, University of Missouri*
- Evaluating WLC Participants Perceived Knowledge of Authentic Leadership  
*Chaney Mosley, Tom Broyles, Whitney Danker, Lindsey Thomas, Stephen Edwards, Virginia Polytechnic Institute and State University, National FFA Organization*

## AGRICULTURAL EDUCATION

- Exploring Teaching Efficacy of Pre Service Teachers Following the Student Teaching Internship Experience  
*Bart E. Gill, T. Grady Roberts, Tim Murphy, Texas A & M University, University of Florida*
- Knowledge and Perceptions of Agriculture in Tennessee through Fall Agritourism  
*Jessica J. Poore, Bryan Q. Patterson, University of Tennessee*
- Leadership Styles of Two-Year Associate's Degree Students in Agriculture  
*Holly J. Kasperbauer, Jill N. Casten, Pavli Mykerezzi, Joe Guthrie, Rick Rudd, Virginia Polytechnic Institute and State University*
- Long-term Goals: Assessing Results of Teacher Participation on Their Students  
*Quisto Settle, Tracy Irani, University of Florida*
- New Competencies to be Successful as an Extension Agent in Present Context  
*Dona Lakai, K. S. U. Jayaratne, Gary Moore, Mark J. Kistler, North Carolina State University*
- Practices for Managing Animal Project Centers  
*Steven (Boot) Chumbley, Texas Tech University*
- Self-Perceived Levels of Importance of Agricultural Mechanics Laboratory Management Competencies by Agricultural Education Pre-Service Teachers  
*P. Ryan Saucier, Justin L. Killingsworth, John D. Tummons, Texas State University and the University of Missouri*
- Student Teachers Reflection on Indicators of Engaged Learning  
*Christy Witt, Scott Burris, Texas Tech University*
- Teaching Beliefs of Excellent Undergraduate Professors  
*Aaron Giorgi, T. Grady Roberts, University of Florida*
- Teaching Locally, Engaging Globally: Examining Faculty Pre-Trip Attitudes and Beliefs  
*Jessica Kochert, Amy Harder, T. Grady Roberts, Nicole Stedman, Marta Hartmann, University of Florida*

## AGRICULTURAL EDUCATION

Terminal Publication of AAAE Conference Papers  
*Nathan Conner, Christopher T. Stripling, T. Grady Roberts, University of Florida*

2:30 – 3:30 p.m.  
BREAK  
AmBank Foyer Room

4:00 – 6:00 p.m.  
SAAS General Session  
Bayfront Nueces Ballroom A

6:00 p.m. – till  
SAAS Super Bowl Reception  
Brewster Street Icehouse

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### Monday, February 7

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8:00 – 10:00 a.m.  
Registration  
AmBank Foyer Room

8:30 – 10:00 a.m.  
Concurrent Research Session II

Session D: Agricultural Communications  
AmBankRoom 225A/B

Impact of Selected Factors on Perceived  
Efficacy of Twitter Use by Agricultural  
Communicators  
Agricultural Communications Training Needs  
Among [State] Agricultural Educators  
Comparisons of Agriculture Instructor and  
Student Perceptions of Social Media in  
Education  
Information and Communication Technology  
Tasks Required in Undergraduate  
Agriculture Courses

Session E: Agricultural Education: Math and  
Technology  
AmBank Room 225 D/E

Enhancing Collaboration among Math and  
Career and Technical Education  
Teachers: Is Technology the Answer?  
Animation: Friend or Foe in Today's  
Classrooms?  
Teachers' Use of Interactive Whiteboards in  
the Secondary Agricultural Education  
Classroom: Measures of Self-efficacy,  
Outcome Expectations, Interest  
[State] Preservice Agricultural Education  
Teachers' Mathematics Ability and  
Efficacy

## AGRICULTURAL EDUCATION

Session F: Agricultural Education: Enhanced  
Learning  
Am Bank Room 226

Determining the Effect of a Science-  
Enhanced Curriculum on Agricultural  
Content Knowledge: A Causal  
Comparative Study  
Practical Implications for the Experiential  
Learning Theory in Agricultural  
Education: A Conversation with Dr. David  
A. Kolb  
Effects of Inquiry-based Agriscience  
Instruction on Student Argumentation  
Skills  
Does Cognitive Diversity in Groups Really  
Enhance Application?

10:00 – 10:30 a.m.  
BREAK  
AmBank

10:30 – 11:45 a.m.  
SR AAAE Business Session I  
AmBank Room 225 D/E

12:30 – 1:30 p.m.  
Luncheon  
AmBank Room 225 A/B

1:45 – 2:45 p.m.  
Business Session II  
AmBank Room 225 D/E

3:00 – 4:30 p.m.  
InnovativePoster Session II  
AmBank Foyer Room

4-H and Facebook: Can they Co-Exist?  
*Jessica Anderson, K.S.U. Jayaratne, North  
Carolina State University*

A Little Birdie Told Me: Using Twitter as a  
Discussion Tool  
*Lauri M. Baker, Christy Chiarelli, Quisto  
Settle, University of Florida*

A Mobile Classroom for Visual Communications  
on the Road in [State]: Using High School  
Students to Create Video and Photo Projects  
to Promote Agriculture  
*Kristin Pennington, Leslie D. Edgar, Don W.  
Edgar, Casandra Cox, Allyson McGuire, Beth  
Ann Hunt, University of Arkansas*

## AGRICULTURAL EDUCATION

- A Model for Integrating Critical Thinking and Emotional Intelligence into Leadership Curricula  
*Jason Davison, Nicole Stedman, University of Florida*
- A Model for Program Planning and Evaluation for School-based Agriscience Education  
*Christopher M. Estep, Andrew C. Thoron, University of Florida*
- A Philosophical View for Using Second Life™ as a Teaching and Learning Tool  
*Allyson McGuire, Leslie D. Edgar, Don W. Edgar, Kristin Pennington, University of Arkansas*
- A Qualitative Evaluation of a Cross-Cultural Immersion Program for Extension Educators  
*Jenna Brown, Maria Navarro, Dennis Duncan, Nick Fuhrman, University of Georgia*
- Better Teamwork by Knowing Yourself & Other's Personalities  
*David Jones, North Carolina State University*
- Breaking Barriers for Beginning Hispanic Farmers and Ranchers  
*Stephanie Herreros, Robert Williams, Jose Lopez, Curtis Jones, Mario Villarino, Texas A&M University-Commerce*
- By Choice, Not By Chance Art Gallery Exhibit  
*Bill Riley, Stacy Vincent, University of Kentucky*
- Collegiate Leadership In Agricultural Student Organizations: Developing A Motivational Perspective  
*Andrea Andrews, Nicole Stedman, Greg Gifford, University of Florida*
- Development of an Electronic Clearinghouse of Renewable Energy Curriculum for Secondary Agricultural Education: A Partnership of Two Departments  
*Joey Blackburn, Marshall Baker, Shane Robinson, Craig Edwards, Ray Huhnke, Oklahoma State University*
- Differentiated Instruction for the Learning Disabled in the Ag Science Classroom: Agricultural Science Teachers' Professional Development  
*Michelle Pavelock, Theresa Murphrey, Texas A&M University*

## AGRICULTURAL EDUCATION

- Evaluation Results of Pet Awareness With Children Animal Bite Prevention Program  
*Joel D. Ray, Michael E Newman, Mississippi State University*
- Giving a Face to your Agricultural Leadership Program  
*Avery Culbertson, Micah D. Scanga, Hannah Carter, University of Florida*
- Incorporating Preparatory Exams into a Dual Credit Course Curriculum: Preparing Students for Computerized College Testing and Increasing Post Secondary Credit Success Rates  
*Alanna Neely, Cliff Ricketts, Warren Gill, Middle Tennessee State University*
- Incorporating Socioscientific Issues into Agriculture Teacher Education Curriculum  
*Adrienne N. Gentry, Catherine W. Shoulders, Brian E. Myers, University of Florida*
- Integrating 21st Century Technology in Secondary Agricultural Education Classrooms: GPS Professional Development Carousel Workshop  
*J. Shane Robinson, Jon W. Ramsey, Oklahoma State University*
- Integrating Service-Learning into International Study Abroad Programs: Easy as PIE  
*Joelle Petrosky, Jennifer Williams, Texas A&M University*
- Leveraging Web 2.0 Programs to Increase Academic Retention  
*Michelle Santiago, Michael Lau, Art Wolfskill, Maud Roucan-Kane, Sam Houston State University*
- Maximizing Preservice Teacher Education: The Pre-Internship Block  
*Catherine W. Shoulders, Eric Rubenstein, Brian E. Myers, University of Florida*
- Meet, Greet, Compete and Eat: Learning by Doing- Leadership Contest  
*Wendie Clubine, Robert Williams, Texas A&M University- Commerce*
- Paving a Road to Success with the Agriculture /Academic Integration Project  
*Yvette Smith, Diana L. King, University of Georgia*

## AGRICULTURAL EDUCATION

Preparing Undergraduate Students for  
Agricultural Advocacy  
*Chaney Mosley, Keyana Ellis, Michelle  
Greaud, Lisa Hightower, Eric Kaufman,  
Virginia Polytechnic Institute and State  
University*

Preparing Young Leaders for Sustainable  
Agriculture Practices in West Virginia  
*John Lockhart, Matt Coe, Douglas D.  
LaVergne, West Virginia University*

Sam's Big Adventure; An Innovative Educational  
Intervention for Children  
*Joel D. Ray, Susan Seal, Michael Newman,  
Mississippi State University*

Simulation: Innovations toward Bridging Social  
Cultures through Agricultural Education  
*Jonathan A. Tubbs, Stacy K. Vincent, Bryan  
J. Hains, University of Kentucky*

The Lesson Plan Blitz: Assisting Pre-Service  
Teachers Through Their Zone of Proximal  
Development  
*Cory Epler, Thomas Broyles, Virginia  
Polytechnic Institute and State University*

Tractor Technician Career Development Event:  
Classroom Instruction to Career  
Opportunities  
*. Ryan Saucier, G. Curtis Langley, William R.  
Harrell, John D. Tummons, Texas State  
University, University of Missouri, Sam  
Houston State University*

Using Professional Identity to Enhance  
Agriculture Teacher Professional  
Development  
*Catherine W. Shoulders, Brian E. Myers,  
University of Florida*

You are Fired. Using Reality Television to  
Enhance Student Engagement and  
Motivation Through Problem Based Learning  
*Christopher T. Stripling, Andrew C. Thoron  
University of Florida, University of Illinois*

5:30 – 8:30 p.m.

DINNER

U.S.S. Lexington

Bus leaves Bayfront Tower Hotel and will make two  
runs to dinner location about 20 minutes apart

## AGRICULTURAL EDUCATION

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**Tuesday, February 8**

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8:30 – 9:30 a.m.

Concurrent Research Session III

Session G Agricultural Education: A broader view  
Bayfront Corpus Christi Ballroom B

A Gender Analysis of Job satisfaction levels  
of Agricultural Education Teachers in  
[State]

An Examination of Trust-related Behaviors  
Important to Agricultural Stakeholders  
Proposed Solutions Toward Inclusive  
Agricultural Education Programs  
Multicultural Competence: A Case Study of  
Teachers and Student Perceptions

Session H Extension and Outreach  
Bayfront Corpus Christi Ballroom A

Examining Adult Participation in a Statewide  
Nonformal Horticultural Program

Refocusing Evaluation Efforts: Evaluating  
Extension Programs for Use Can  
Enhance Accountability Efforts

A Quantitative Analysis of the Efficacy of a  
Cross-Cultural Immersion Program for  
Extension Educators

4-H Volunteers Intent to Support Youth with  
Disabilities: An Elicitation Study

Session I Agricultural Education: Laboratories  
and Mechanization  
Bayfront Corpus Christi Ballroom C

Economic Impact of Agricultural Mechanics  
Competition Projects in (State) and  
Factors that Predict Chapter Investment  
Value: State Returns from 2009-2010  
Student Perceptions of Instructional Methods  
Towards Alternative Energy Education  
Teachers' Use of Agricultural Laboratories in  
Secondary Agricultural Education  
Agricultural Mechanics Laboratory Safety:  
Professional Development Needs of  
Kentucky School-Based Agricultural  
Educators

9:30 – 10:00 a.m.

BREAK

Bayfront Corpus Christi Ballroom A

## AG EDUCATION

10:00 – 11:15 a.m.  
Professional Development  
Bayfront Corpus Christi Ballroom A

11:30 – 1:30 p.m.  
Awards Luncheon  
Bayfront Corpus Christi Ballroom B

## AGRONOMY

**Southern Branch  
American Society of Agronomy Program  
Annual Meeting February 6-8, 2011**  
Corpus Christi Omni Hotels  
Corpus Christi, Texas

### 2010-2011 Officers

#### President:

Dr. Carl R. Crozier  
North Carolina State University

#### Vice President & Program Chair:

Dr. Becky Gilfillen  
Western Kentucky University

#### Secretary:

Dr. Philip Moore  
USDA-ARS, Fayetteville, AR

#### Treasurer:

Dr. Dennis J. Osborne  
North Carolina State University

#### Past President:

Dr. M. Wayne Ebelhar  
Mississippi State University

**Sunday, February 6, 2011**

**Registration: 10:00 AM-4:00 PM**

**AmericanBank Center Bayview, Ballroom A**

### 1:00 PM-4:00 PM

Graduate Student Poster - Crops  
*AmericanBank Center Bayview, Ballroom A*

### Authors Present 1:00 PM - 3:00 PM

- 1 **Cool-Season Legumes and Grass Mixtures Overseeded In Tifton 85 and Harvested for Biomass and Forage.** Joshua White\*, Gerald Evers, James Muir and Barry Lambert, Agrilife Research
- 2 **Utilizing Decline of P and K Levels In Shoots to Establish An Earlier Harvest Window for Switchgrass Biomass.** Jennifer Lane\*, Fred Allen, Carl Sams, Donald Tyler, William Hart and Jerome Grant, University of Tennessee
- 3 **Evaluation of Sorghum Varieties for Biofuel Production and Forage Quality.** Jesse I. Morrison\*, Rocky Lemus and Brett Rushing, Mississippi State University
- 4 **Influence of Maturity Group, Row Pattern, and Seeding Rate on Soybean Grown on Silt Loam Soils.** Kevin A. Dillon\*, Clifford H. Koger, Timothy W. Walker, Jac J. Varco and Michael S. Cox, Mississippi State University

## AGRONOMY

- 5 **Cotton Lint Quality as Influenced by Harvest-Aid Regimes and Variety Characteristics.** Zachary Eder<sup>\*1</sup>, Gaylon Morgan<sup>2</sup>, Daniel Fromme<sup>3</sup>, Dale Mott<sup>2</sup> and John Kerns<sup>2</sup>, (1)Texas A&M University, (2)Texas AgriLife Extension Service, (3)Texas Agrilife Research-Corpus Christi

Professional Poster - Crops

*AmericanBank Center Bayview, Ballroom A*

**Authors Present 1:00 PM - 3:00 PM**

- 6 **Evaluation of Ryegrass Management on Growth and Performance of Growing Beef Heifers.** Rocky Lemus\* and Jorge Rivera, Mississippi State University
- 7 **Estimating Yield Potential by Planting Date Utilizing Observed Data From the Soybean Research Verification Program.** William J. Ross\*, Terry Griffin, Christopher Grimes and Steve Kelley, University of Arkansas
- 8 **Characterizing Testing Locations In the Soybean Variety Trials In Louisiana.** Sterling Blanche\* and Millie Deloach, LSU Agricultural Center - Dean Lee Resarch Station
- 9 **Soybean Response to Furrow Irrigation Initiation.** Paul B. Francis\*, Larry Earnest and Scott Hayes, University of Arkansas
- 10 **In-Field Weathering Influences Biomass and Biofuel Quality of Nativwe Warm Season Grasses.** William Kuenstler\* and Joel Douglas, USDA NRCS
- 11 **Harvesting and Feeding *Cynodon* Hybrid Tifton 85 Hay of Varying Maturities to Wether Kids.** John R. Bow\*, Texas AgriLife Research Station and James Muir, Texas Agrilife Research-Stephenville
- 12 **Herbicide Control of Dallisgrass In Bermudagrass Turf.** Robert Lane\* and Russell Yancey, Sam Houston State University
- 13 **Widestrike® Cotton Variety Tolerance to Ignite Applications In Texas.** Dale A. Mott\* and Gaylon Morgan, Texas AgriLife Extension Service

Professional Poster - Soils

*AmericanBank Center Bayview, Ballroom A*

**Authors Present 1:00 PM - 3:00 PM**

## AGRONOMY

- 14 **Field Scale Soil Nutrient Change In a Beef Cattle Backgrounding Site on Karst Topography Following a Heavy Rain Fall Event.** Annesly Netthisinghe<sup>\*1</sup>, Rebecca Gilfillen<sup>1</sup>, Kimberly Cook<sup>2</sup> and Karamat Sistani<sup>2</sup>, (1)Western Kentucky University, (2)USDA-ARS
- 15 **Use of a Ryegrass Cover Crop to Remediate Excess Soil Nutrients in a Sorghum-Sudangrass Field.** Rebecca Gilfillen<sup>\*1</sup>, Todd William<sup>1</sup>, Naomi Rowland<sup>1</sup> and Karamat Sistani<sup>2</sup>, (1)Western Kentucky University, (2)USDA-ARS
- 16 **Cover Crop and Composted Municipal Sludge Effects on Soil Physical Properties and C/N Sequestration In a Coastal Plain Soil Under Conservation Tillage.** Robert Hubbard<sup>\*1</sup>, Timothy Strickland<sup>1</sup> and Sharad Phatak<sup>2</sup>, (1)USDA ARS, (2)University of Georgia (Emeritus)
- 17 **Influence of Planting Date on Corn Yield In the Mississippi Delta.** M. Wayne Ebelhar\* and Davis R. Clark, Mississippi State University
- 18 **In-Furrow Starter Fertilizers for Corn Production In Mississippi.** M. Wayne Ebelhar\*, Normie Buehring and Davis Clark, Mississippi State University
- 19 **Varying Nitrogen Rates and Application Timing for Optimizing Corn Production In Mississippi.** M. Wayne Ebelhar, Normie Buehring and Davis R. Clark\*, Mississippi State University

Undergraduate Poster - Crops & Soils

*AmericanBank Center Bayview, Ballroom A*

**Authors Present 1:00 PM - 3:00 PM**

- 20 **Effects of Foliar and Soil Application of Potassium (K) Nutrition on Soybean Mineral Uptake.** Lisa M. Murray<sup>\*1</sup>, R Thurmon<sup>1</sup>, M. B. Goli<sup>1</sup>, M. Thakur<sup>2</sup> and Tiffany Little<sup>1</sup>, (1)Mississippi Valley State University, (2)Plano East Senior High School
- 21 **Effect of Potassium Application on Soybean Seed Protein and Oil Composition.** Christina Viscardi\*, Tyneiseca Epps, Mudlagiri B. Goli and Tiffany Little, Mississippi Valley State University
- 22 **The Effect of Composts on the Production of the Dry Matter In Maize.** Mariana Pelegrini Rodrigues<sup>\*1</sup>, Robson de Sousa<sup>2</sup>, Gaspar Korndorfer<sup>2</sup>, Ana Paula dos Santos<sup>2</sup> and Robert Gilbert<sup>3</sup>, (1)Federal University of Uberlandia, (2)University Federal of Uberlandia, (3)University of Florida

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## AGRONOMY

- 23 **Yield and Plant Population of Whole Sweet Sorghum in Eastern Kentucky.** Jeffrey D. Foster\*, Caitlin Timberlake and Jerry Michael Phillips, Morehead State University
- 24 **Preliminary Assessment of Flue Gas Desulfurization Waste on Elemental Uptake by Sorghum Sudan Grass.** J. Price\*<sup>1</sup>, Candice Beckley<sup>1</sup>, D. Franklin<sup>1</sup>, Kenneth Sajwan<sup>1</sup>, Shivendra Sahi<sup>2</sup> and Ashok Alva<sup>3</sup>, (1)Savannah State University, (2)Western Kentucky University, (3)USDA-ARS
- 25 **Two Year Comparison of Warm Season Legume Production with and without Drip Irrigation in the Summer in a Semiarid Region of West Texas.** Spencer Fox\*, Tiffany Lutz, Florah Mhlanga and Michael Nicodemus, Abilene Christian University
- 26 **Soil Quality Responses to Land Management Uses.** Katie M. LeBlanc\* and Iin Handayani, Murray State University
- 27 **The Significance of Ecological Diversity, Controlled Burns, and Varied Ecosystems on Carbon Sequestration on Ranchland in West Texas.** Melinda Brown\*, Quaitsey Carter and Michael Nicodemus, Abilene Christian University

### Monday, February 7, 2011

#### 7:55 AM - 10:00 AM

Graduate Student Oral - Crops  
*AmericanBank Center Bayview, Ballroom A*

- 7:55 AM Introductory Remarks
- 8:00 AM **Stem Yield, Syrup Production, and Brix Content of Sweet Sorghum in Eastern Kentucky.** Sarah A. Hazenfield\* and Jerry Michael Phillips, Morehead State University
- 8:15 AM **Enhancing Soil Quality and Profitability of Grain Sorghum through Legume-Based Cropping Systems.** Clark B. Neely\*<sup>1</sup>, Francis Rouquette Jr.<sup>2</sup>, Gerald Smith<sup>2</sup> and Cristine Morgan<sup>2</sup>, (1)Texas A&M University, (2)Texas AgriLife Research
- 8:30 AM **Using Legumes to Reduce Nitrogen Fertilization and Enhance Soil Nitrogen and Carbon for Grain Sorghum Cropping Systems.** Clark B. Neely\*<sup>1</sup>, Francis Rouquette Jr.<sup>2</sup>, Gerald Smith<sup>2</sup>, Cristine Morgan<sup>2</sup> and William Rooney<sup>1</sup>, (1)Texas A&M University, (2)Texas AgriLife Research

## AGRONOMY

- 8:45 AM **Phosphorus Efficiency of Two Wild Beans Strophostyles Helvola and S. Leiosperma.** Xinyu Yang\*<sup>1</sup>, Donald McGahan<sup>1</sup> and James P. Muir<sup>2</sup>, (1)Tarleton State University, (2)Texas AgriLife Research
- 9:00 AM **Cotton Leaf and Canopy Reflectance Spectra Analysis for Nitrogen Estimation.** Farrah Melissa Muharam\* and Stephan Maas, Texas Tech University
- 9:15 AM **Use of Fungal Laccase to Facilitate Biodethatching.** Sudeep Sidhu\*, Qingguo Huang, Paul Raymer and Robert Carrow, University of Georgia - Griffin
- 9:30 AM **Enhancement of Vitamin A and E Level In Soybean Via Expressing Multiple Genes In a Single Open Reading Frame.** DZUNG T. PHAM\*, University of Missouri Columbia
- 9:45 AM **Break**

#### 10:00 AM - 12:45 PM

Graduate Student Oral - Soils  
*AmericanBank Center Bayview, Ballroom A*

- 10:00 AM **Effects of Strip Tillage and Deficit Irrigation on Plant Available Water, Root Growth, and Crop Yield of Cotton in Fine Sandy Loam of South Texas.** John R. Shallock\*<sup>1</sup>, Diane L. Rowland<sup>2</sup>, Cristine Morgan<sup>3</sup>, T.D.A. Forbes<sup>3</sup> and Bethany Speer<sup>3</sup>, (1)Texas A&M University, (2)University of Florida,(3)Texas AgriLife Research
- 10:15 AM **Utilization of Crop Sensors to Detect Cotton Growth and N Stress.** Tyson B. Raper\*, Jac J. Varco, Ken J. Hubbard and Brennan C. Booker, Mississippi State University
- 10:30 AM **Using Arbuscular Mycorrhizae to Influence Yield, Vegetative Quality and Nutrient Uptake In Conventional Vs. Organic Vegetable Production.** Gary Cundiff\*<sup>1</sup>, Rebecca Gilfillen<sup>1</sup>, Annesly Netthisinghe<sup>1</sup>, Roger Dennis<sup>1</sup>, Kimberly Cook<sup>2</sup> and Marcia La Corbiniere-JnBaptiste<sup>2</sup>, (1)Western Kentucky University, (2)USDA-ARS

## AGRONOMY

- 10:45 AM **Nitrogen Loss Potential by Nitrification/Denitrification In Delayed-Flood Rice.** Paxton W. Fitts<sup>\*1</sup>, Timothy W. Walker<sup>1</sup>, Larry J. Krutz<sup>2</sup> and Jac J. Varco<sup>1</sup>, (1)Mississippi State University, (2)USDA-ARS
- 11:00 AM **Corn Root Growth and Nitrogen Use Efficiency as Affected by Gypsum and Nitrogen Applications Under A No-till System.** Renato Zardo Filho<sup>\*1</sup>, Eduardo F. Favero Caires<sup>1</sup>, Hélio A. Joris<sup>1</sup> and Gabriel Barth<sup>2</sup>, (1)State University of Ponta Grossa, (2)Fundação ABC
- 11:15 AM **Detecting Spatial Relationships In Corn Nitrogen Sufficiency Through Crop Reflectance.** Ken J. Hubbard\*, Jac J. Varco, Tyson B. Raper and Brennan C. Booker, Mississippi State University
- 11:30 AM **Determination of Poultry Litter's Nitrogen-Fertilizer Value for Winter Wheat Production.** Brett L. Gordon\*, Nathan Slaton, Colin Massey and Russell DeLong, University of Arkansas
- 11:45 AM **Floodwater Nitrogen Concentration of Drill-Seeded, Delayed Flood Rice Fertilized Preflood and Midseason.** Christopher W. Rogers\*, Alice Enochs, Trenton Roberts, Nathan Slaton, Richard Norman, Charles Wilson, Donna Frizzell and Jamie Branson, University of Arkansas
- 12:00 PM **Influence of Nitrogen Source on Ammonia Volatilization Loss In Delayed-Flood Rice.** Kevin Dillon\*, Timothy Walker, Clifford Koger, Jac Varco and Michael Cox, Mississippi State University
- 12:15 PM **Assessment of Soil-Based Tests for Site-Specific Nitrogen Fertilizer Management of Rice Grown on Clay Soil.** Anthony M. Fulford\*, Richard J. Norman, Trenton Roberts, Nathan A. Slaton and Charles E. Wilson Jr., University of Arkansas

12:30 PM Discussion

### 1:55 PM - 5:30 PM

Professional Oral - Soils & Business Meeting  
*AmericanBank Center Bayview, Ballroom A*

1:55 PM Introductory Remarks

## AGRONOMY

- 2:00 PM **A Nutrient Use Geographic Information System for the U.S.** Steve Phillips\*, International Plant Nutrition Institute
- 2:15 PM **Crimson Clover N Supply to Corn on Different Soil Drainage Classes.** Carl Crozier<sup>\*1</sup>, Alan Meijer<sup>1</sup>, George Place<sup>2</sup>, S.C. Reberg-Horton<sup>2</sup> and Carrie Brinton<sup>2</sup>, (1)NC State Univ. Soil Science Dept, (2)NC State Univ. Crop Science Dept
- 2:30 PM **Development of Fertilizer Recommendations for Big Bluestem and Switchgrass as Bioenergy Crops.** Rick Brown, Wes Wood\*, Edzard van Santen and Charles Mitchell, Auburn University
- 2:45 PM **Denitrification In Natural, Converted, and Restored Wetlands of the Mid-Atlantic Coastal Plain.** Patrick Hunt\* and Jarrod Miller, USDA-ARS
- 3:00 PM **Pathogen Runoff From Small Plots Fertilized with Poultry Litter.** Philip Moore\* Jr.<sup>1</sup>, Joel H. Metcalf<sup>2</sup>, Dan Donoghue<sup>2</sup>, Annie Donoghue<sup>1</sup>, I. Reyes-Herrera<sup>2</sup>, K. Arsi<sup>2</sup> and P. Blore<sup>2</sup>, (1)USDA-ARS, (2)University of Arkansas
- 3:15 PM **Influence of Supplemental Nitrogen Applications on Corn Yield on Two Mississippi River Alluvial Soils.** Henry J. Mascagni\* Jr. and Brenda Tubana, LSU AgCenter
- 3:30 PM **Phytoremediation Database for Use In Conservation Planning.** Jerrell Lemunyon\*, USDA-NRCS, Nathan Nelson, Kansas State University and Ganga Hettiarachchi, Kansas State University
- 3:45 PM **Impact of Tillage on Surface Runoff In Dual-Use Wheat Systems.** Paul DeLaune\*, Texas Agrilife Research-Vernon
- 4:00 PM Discussion
- 4:05 PM **Break**
- 4:15 PM Southern Branch ASA Business Meeting
- 5:25 PM **Adjourn**

### Tuesday, February 8, 2011

### 8:25 AM - 11:35 AM

Professional Oral - Crops  
*Omni Bayfront Hotel Nueces Ballroom A*

## ANIMAL SCIENCE

- 8:25 AM Introductory Remarks.
- 8:30 AM **Row Crop Response to Commercially Available Humic Acid Products.** Nathan Slaton\*, Richard Norman, Russell DeLong and Colin Massey, University of Arkansas
- 8:45 AM **Evaluation of Row Spacing Effects on Irrigated Corn Production In Mississippi.** Darrin Roberts\*, Erick Larson, M. Wayne Ebelhar and Normie Buehring, Mississippi State University
- 9:00 AM **Impacts of Planting Date on Corn Grown In the Arkansas Mississippi Delta.** Jason Kelley\*, Steven Sheets, Bill Apple, Mike Duren and Scott Hayes, University of Arkansas
- 9:15 AM **Pre-Tasseling Nitrogen Applications In Mid-South Corn Production Systems.** Davis R. Clark\* and M. Wayne Ebelhar, Mississippi State University
- 9:30 AM **Evaluation of Plant Growth and Yield Reduction on Late Planted Soybeans.** Pawel Wiatrak\*, Clemson University
- 9:45 AM **Break**
- 10:00 AM **Evaluation of Smutgrass Control Using the Weed Wiper Approach.** Rocky Lemus\* and Mark J. Mowdy, Mississippi State University
- 10:15 AM **Generation of Transgenic Medicago Sativa Overexpressing "Osmotin" Gene Under Constitutive Promoter.** Jared Mink<sup>1</sup>, Shivendra Sahi\*<sup>1</sup> and Kenneth Sajwan<sup>2</sup>, (1)Western Kentucky University, (2)Savannah State University
- 10:30 AM **Enhancing Cool-Season Legumes Production and Contribution to Soil Nitrogen.** Yoana Newman\*, Sampson Agyin-Birikorang and Judy Dampier, University of Florida
- 10:45 AM **Summer Cover Crop Growth and Yield In a Dry Year.** William Evans\*<sup>1</sup>, Vasile Cerven<sup>1</sup> and Carl Motsenbocker<sup>2</sup>, (1)Mississippi State University, (2)LSU AgCenter
- 11:00 AM **Seasonal Ground Cover for Crops In the Texas High Plains.** Stephan Maas\*, Texas Tech University and Nithya Rajan, Texas AgriLife Research
- 11:15 AM Discussion
- 11:30 AM **Adjourn**

## ANIMAL SCIENCE

### SOUTHERN SECTION American Society of Animal Science

**ANNUAL MEETING  
February 6-8, 2011  
Corpus Christi, Texas**

**In conjunction with the 108<sup>th</sup>  
Annual Convention of the Southern Association  
of Agricultural Scientists**

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## ANIMAL SCIENCE

### Undergraduate Paper Competition

### Graduate Student Awards Competition

#### PROGRAM EVENTS

##### Friday, February 4

Academic Quadrathlon (AQ)  
9:00 PM Advisors Meeting  
College Station, TX

##### Saturday, February 5

AQ Lab Practicum and Written Exam  
College Station, TX

##### Bayfront Corpus Christi, TX

##### Sunday, February 6

AQ Oral Preparation  
6:30 AM – noon  
Nueces Ballroom A and B

AQ Oral Presentation  
8:00 AM – noon – Capano

AQ Quiz Bowl  
8:00 AM – 1:00 PM - Matagorda

AQ Quiz Bowl Championship/Awards and Awards  
Program  
8:00 AM – 4:00 PM – Laguna Madre

SCC 81: Sustainable Small Ruminant Production IEG  
8:30 AM – 4:00 PM - Aransas

Registration  
11:00 AM – 4:00 PM  
Preassembly Area

SCC 72: Enhancing Reproductive Efficiency in Cattle  
IEG  
1:00 PM – 4:00 PM - Capano

SERA 41: Beef Cattle Production Using Forages in  
the Southeast  
1:00 PM – 4:00 PM – Matagorda

SAAS Board Meeting  
2:30 PM – 3:30 PM - Bayview

SAAS General Session/Business Meeting  
4:00 PM – 6:00 PM  
Nueces Ballroom A

## ANIMAL SCIENCE

SS-ASAS Advisory Committee and Executive  
Committee  
6:00 PM – 8:00 PM  
Partnership Boardroom

SAAS Reception/"Super Bowl Party"  
6:00 PM – 10:00 PM  
Brewster Street Icehouse

##### Monday, February 7

*Interested in taking an ARPAS exam at the ASAS  
Southern Section Meeting?  
Contact ARPAS at [arpas@assochq.org](mailto:arpas@assochq.org) for  
information or to schedule an exam.*

##### **Registration**

7:30 AM – 4:00 PM  
Preassembly Area

SS-ASAS Coffee Break  
9:30 AM – 10:30 AM  
Preassembly Area

SS-ASAS Emerging Scholar  
Awards Presentation  
1:00 PM – 1:45 PM  
Nueces Ballroom B

SS-ASAS Business Meeting and Awards Ceremony  
5:00 PM – 7:00 PM  
Nueces Ballroom A

Small Ruminant Subcommittee of the NAGP  
7:00 PM – 9:15 PM – Laguna Madre

##### Tuesday, February 8

SAAS Board Breakfast Meeting  
7:00 AM – 10:00 PM – Bayview

##### **Registration**

8:00 AM - noon  
Preassembly Area

SS-ASAS Emerging Scholar  
Award Presentation  
8:00 AM – 8:45 AM  
Nueces Ballroom B

Graduate Student Luncheon  
12:00 PM – 2:00 PM  
Nueces Ballroom B

Extension Luncheon  
12:00 PM – 2:00 PM  
Bayview

## ANIMAL SCIENCE

### SYMPOSIA AND ORAL SESSIONS

Sunday, February 6

**SCC 81: Sustainable Small Ruminant Production  
IEG  
Aransas**

8:00 AM

**SCC 81: Sustainable Small Ruminant Production  
IEG.**

**SCC 72: Enhancing Reproductive Efficiency in  
Cattle IEG  
Capano**

1:00 PM

**SCC 72: Enhancing Reproductive Efficiency in  
Cattle IEG.**

**SERA 41: Beef Cattle Production Using Forages  
in the Southeast Matagorda**

1:00 PM

**SERA 41: Beef Cattle Production Using Forages  
in the Southeast.**

**SS-ASAS Advisory Committee and Executive  
Committee  
Partnership Boardroom**

6:00 PM

**SS-ASAS Advisory Committee and Executive  
Committee.**

Monday, February 7

### SYMPOSIA AND ORAL SESSIONS

**Graduate Student Competition I  
Chair: David Riley, Texas A&M University  
Nueces Ballroom A**

8:00 AM 1

**Effect of implants and nutrient restriction prior to  
feeding on carcass quality.**

J Robinette\*, P Beck, B Barham, S Gadberry, and J  
Apple, *University of Arkansas, Fayetteville.*

8:15 AM 2

**The accuracy of ultrasound measurements taken  
prior to slaughter to measure carcass traits in  
beef cattle.**

C. H. Hughes<sup>1</sup>, F. R. B. Ribeiro<sup>1</sup>, J. A. Carter<sup>1</sup>, L. O.  
Tedeschi<sup>2</sup>, G. E. Carstens<sup>2</sup>, R. K. Miller<sup>2</sup>, S. B.  
Smith<sup>2</sup>, R. D. Rhoades<sup>3</sup>, and B. M. Bourg<sup>2</sup>, <sup>1</sup>*Texas  
A&M University, Commerce*, <sup>2</sup>*Texas A&M University,  
College Station*, <sup>3</sup>*Texas A&M University, Kingsville.*

## ANIMAL SCIENCE

8:30 AM 3

**The relationship of body condition score and  
subcutaneous and internal fat measurements by  
real-time ultrasound in crossbred beef cows.**

K. N. Gates<sup>\*1</sup>, F. R. B. Ribeiro<sup>1</sup>, J. A. Carter<sup>1</sup>, C. A.  
Hughes<sup>1</sup>, S. Stewart<sup>1</sup>, and R. G. Tait, Jr.<sup>2</sup>, <sup>1</sup>*Texas  
A&M University, Commerce*, <sup>2</sup>*Iowa State University,  
Ames.*

8:45 AM 4

**Effects of genotype and fescue cultivar on steer  
gain and carcass traits.**

A.M. Webb<sup>\*1</sup>, M.L. Looper<sup>2</sup>, M.A. Sales<sup>1</sup>, C.R.  
Krehbiel<sup>3</sup>, D.L. VanOverbeke<sup>3</sup>, S. Reiter<sup>1</sup>, and C.F.  
Rosenkrans, JR<sup>1</sup>, <sup>1</sup>*University of Arkansas,  
Fayetteville*, <sup>2</sup>*USDA/ARS, DBSFRC, Bonneville, AR*,  
<sup>3</sup>*Oklahoma State University, Stillwater.*

9:00 AM 5

**A comparison of ruminal and large intestinal  
microbial population of residual feed intake-  
indexed Brahman bulls under grazing conditions.**

L. M. Wiley<sup>\*1</sup>, L. O. Tedeschi<sup>1</sup>, T.D.A. Forbes<sup>2</sup>, F.M.  
Rouquette, Jr.<sup>3</sup>, R.D. Randel<sup>3</sup>, F.R.B. Ribeiro<sup>4</sup>, and  
S.E. Dowd<sup>5</sup>, <sup>1</sup>*Texas A&M University, College Station*,  
<sup>2</sup>*Texas Agrilife Research, Uvalde*, <sup>3</sup>*Texas Agrilife  
Research, Overton*, <sup>4</sup>*Texas A&M University,  
Commerce*, <sup>5</sup>*Medical Biofilm Research Institute and  
Research and Testing Laboratory, Lubbock, TX.*

9:15 AM 6

**Effects of residual feed intake classification on  
feed efficiency, ultrasound and feeding behavior  
traits in Angus based composite steers.**

J.C. Bailey\*, G.E. Carstens, J.T. Walter, A.N. Hafila,  
E.D. Mendes, and L.O. Tedeschi, *Texas A&M  
University, College Station.*

9:30 AM 7

**Effects of spray-dried porcine plasma (SDPP)  
administered as an oral gavage on pre-weaning  
growth performance in piglets.**

L.M. Wittish\* and M.J. Estienne, *Virginia Polytechnic  
Institute and State University, Blacksburg.*

9:45 AM 8

**Effect of timing of BRD vaccination on  
performance of stocker cattle during receiving.**

K Poe\*, P Beck, D Hubbell, T Hess, and J Richeson,  
*University of Arkansas, Fayetteville.*

## ANIMAL SCIENCE

Teaching and Undergraduate Education  
Chair: Charles Rosenkrans, Jr., University of  
Arkansas  
Nueces Ballroom B

8:15 AM 9

**Cattle handling demonstrations for undergraduate students.**

W. Owsley\* and C. Bratcher, *Auburn University, Auburn, AL.*

8:30 AM

**Discussion.**

### OTHER EVENTS

**Interdisciplinary Beef Cattle Symposium**  
Chair: Matt Poore, North Carolina State University  
Aransas

8:30 AM

**Rethinking heifer development. Slow vs. accelerated development (and challenging our traditional target weight concepts).**

Rick Funston, University of Nebraska.

9:15 AM

**Advances in estrous synchronization programs for heifers (including new information specific to Indicus heifers).**

Gary Williams, Texas A&M University.

10:00 AM

**Break.**

10:20 AM

**Addressing nutrition and management challenges for replacement heifers.**

John Arthington, University of Florida.

11:05 AM

**Designing and developing the replacement heifer of the future.**

Glenn Rogers, Pfizer Animal Health.

11:50 AM

**Discussion.**

## ANIMAL SCIENCE

### SYMPOSIA AND ORAL SESSIONS

**Undergraduate Student Competition**  
Chair: Charles Rosenkrans, Jr., University of  
Arkansas  
Matagorda

9:00 AM 10

**Forage characteristics and beef cattle production from continuously stocked triticale, wheat and ryegrass pasture.**

L. A. Smith\*, S. P. Schmidt, W. F. Owsley, and R. B. Muntifering, *Auburn University, Auburn, AL.*

9:15 AM 11

**Effects of grazing stockpiled endophyte-infected tall fescue pastures on growth and physiological indices of dairy heifers.**

R. Henry\*<sup>1</sup>, J. Huff<sup>1</sup>, S. Reiter<sup>1</sup>, W. Coblentz<sup>2</sup>, M. Looper<sup>3</sup>, and C. Rosenkrans, Jr.<sup>1</sup>, <sup>1</sup>*University of Arkansas, Fayetteville*, <sup>2</sup>*USDA-ARS, Marshfield, WI*, <sup>3</sup>*USDA-ARS, Booneville, AR.*

9:30 AM 12

**Variability in nutritive value of distillers' grains.**

M. L. Drewery\*<sup>1</sup>, J. E. Sawyer<sup>1</sup>, N. M. Kenney<sup>1</sup>, M. S. Cabaniss<sup>1</sup>, W. E. Pinchak<sup>2</sup>, and T. A. Wickersham<sup>1</sup>, <sup>1</sup>*Texas A&M University, College Station*, <sup>2</sup>*Texas AgriLife Research, Vernon, TX.*

9:45 AM 13

**Effects of pre-weaning traits on BVDV type I immunoglobulin response to vaccination in beef calves.**

W. J. Downum\*, A. H. Brown, Jr., J. G. Powell, E. B. Kegley, Z. B. Johnson, D. B. Galloway, J. A. Hornsby, and B. R. Lindsey, *University of Arkansas, Division of Agriculture, Fayetteville.*

10:00 AM 14

**Identification of QTL for two measures of feed efficiency in Nellore-Angus F<sub>2</sub> steers.**

J. D. Luck\*, T. S. Amen, D. G. Riley, A. D. Herring, P. K. Riggs, J. E. Sawyer, J. O. Sanders, and C. A. Gill, *Texas A&M University, Department of Animal Science, College Station.*

10:15 AM

**Break.**

## ANIMAL SCIENCE

10:30 AM 15

### **Effects of clarified Noni juice or Noni pulp on the shelf life and color stability of ground beef patties.**

C. R. Ahrens\*, J. W. S. Yancey, J. K. Apple, T. M. Johnson, C. A. Keys, R. J. Stackhouse, and N. A. Browne, *University of Arkansas, Division of Agriculture, Department of Animal Science, Fayetteville.*

10:45 AM 16

### **The effect of adipocyte determination and differentiation factor-1 (ADD1) on fresh pork quality.**

M. L. Penick\*<sup>1</sup>, T. J. Wistuba<sup>1</sup>, S. J. Moeller<sup>2</sup>, H. N. Zerby<sup>2</sup>, and R. S. Emnett-Miculinich<sup>1</sup>, <sup>1</sup>*Morehead State University, Morehead, KY*, <sup>2</sup>*The Ohio State University, Columbus.*

11:00 AM 17

### **Effects of on-arrival versus delayed vaccination with or without metaphylaxis on performance and health of stocker cattle.**

K. M. Newsom\*<sup>1</sup>, A. J. Cain<sup>1</sup>, J. F. Roberts<sup>1</sup>, C. S. Darroch<sup>1</sup>, and C. R. Bailey<sup>2</sup>, <sup>1</sup>*University of Tennessee, Martin*, <sup>2</sup>*Stephen F. Austin State University, Nacogdoches, TX.*

11:15 AM 18

### **Utilizing tropical forage legumes to supplement young goats fed a basal diet of sudangrass hay.**

T. E. Lutz\*, F. N. Mhlanga, S. G. Fox, M. A. Nicodemus, and E. Pierce, *Abilene Christian University, Abilene, TX.*

11:30 AM 19

### **Evaluating the combined effects of RADEX and TASCO-14 on utilization of poor quality roughages by small ruminants.**

A. Simon\*<sup>1</sup>, F. N. Mhlanga<sup>1</sup>, R. H. Anderson<sup>2</sup>, J. Cosby<sup>1</sup>, and E. Pierce<sup>1</sup>, <sup>1</sup>*Abilene Christian University, Abilene, TX*, <sup>2</sup>*Andersons Consulting & Training Service Inc, Weatherford, TX.*

## OTHER EVENTS

### **Coffee Break (Preassembly Area)**

9:30 AM

**Coffee Break.**

## ANIMAL SCIENCE

### SYMPOSIA AND ORAL SESSIONS

#### Graduate Student Competition II

Chair: David Riley, Texas A&M University  
Nueces Ballroom A

10:15 AM 20

### **Effects of forage and breed type on grazing behavior and temperament of beef heifers.**

A. R. Boyer\*<sup>1</sup>, M. L. Looper<sup>2,1</sup>, K. P. Coffey<sup>1</sup>, and C. F. Rosenkrans, Jr.<sup>1</sup>, <sup>1</sup>*University of Arkansas, Fayetteville*, <sup>2</sup>*Dale Bumpers Small Farms Research Center, Booneville, AR.*

10:30 AM 21

### **Performance of stocker steers grazing native warm-season grasses during the summer in Tennessee.**

W.M. Backus\*, J.C. Waller, P.D. Keyser, G.E. Bates, C.A. Harper, M.G. Welborn, and B.T. Campbell, *University of Tennessee, Knoxville.*

10:45 AM 22

### **Effects of cow weight at weaning on forage intake, milk yield, and calf weaning weight.**

G.L. Mourer\*, C.P. McMurphy, A.J. Sexten, and D.L. Lalman, *Oklahoma State University, Stillwater.*

11:00 AM 23

### **Influence of fescue and heat shock protein haplotype on heifer growth.**

J. D. Patterson\*<sup>1</sup>, M. L. Looper<sup>2</sup>, B. C. Williamson<sup>1</sup>, M. A. Sales<sup>1</sup>, R. J. Page<sup>1</sup>, and C. F. Rosenkrans, Jr.<sup>1</sup>, <sup>1</sup>*University of Arkansas, Fayetteville*, <sup>2</sup>*USDA/ARS DBSFRC, Booneville, AR.*

11:15 AM 24

### **Concentration effects of ergot alkaloids on cytochrome P450 using the Promega™ P450-glo assay.**

N.S. Ezell\*<sup>1</sup>, A. Moubarak<sup>1</sup>, C. Rosenkrans, Jr.<sup>1</sup>, and M.L. Looper<sup>2</sup>, <sup>1</sup>*University of Arkansas, Fayetteville*, <sup>2</sup>*USDA-ARS, Booneville, AR.*

11:30 AM 25

### **Effects of bale feeder design and processing on hay waste, intake, and performance of beef cattle.**

A. J. Sexten\*<sup>1</sup>, C. P. McMurphy<sup>1</sup>, G. L. Mourer<sup>1</sup>, C. J. Richards<sup>1</sup>, C. Jones<sup>1</sup>, R. Huhnke<sup>1</sup>, T. J. Kraus<sup>2</sup>, and D. L. Lalman<sup>1</sup>, <sup>1</sup>*Oklahoma State University, Stillwater*, <sup>2</sup>*John Deere, Ottumwa, IA.*

## ANIMAL SCIENCE

11:45 AM 26

**Relationships among single nucleotide polymorphisms in the cytochrome P450 gene and the enhancer region of the prolactin gene, molecular breeding values, and steer performance.**

B. C. Williamson<sup>\*1</sup>, M. L. Looper<sup>2</sup>, J. D. Patterson<sup>1</sup>, M. A. Sales<sup>1</sup>, K. P. Coffey<sup>1</sup>, M. Ata<sup>1</sup>, and C. F. Rosenkrans, Jr.<sup>1</sup>, <sup>1</sup>University of Arkansas, Fayetteville, <sup>2</sup>USDA/ARS,DBSFRC, Booneville, AR.

12:00 PM 27

**Determining effects of two deworming protocols on fecal egg counts and growth performance in beef calves.**

S.A. O'Berg<sup>\*</sup>, J.G. Powell, K.P. Coffey, C.A. Tucker, M.P. Rowe, and J.L. Reynolds, University of Arkansas, Fayetteville.

### Ruminant Animal Production I

Chair: Adegbola Adesogan, University of Florida  
Nueces Ballroom B

1:00 PM 28

**SS-ASAS Emerging Scholar Award: Dietary and genetic effects on cellular copper homeostasis in cattle.**

R.S. Fry<sup>\*</sup>, M.S. Ashwell, and J.W. Spears, North Carolina State University, Raleigh.

1:45 PM 29

**Variability in mineral composition of distillers' grains.**

M.L. Drewery<sup>\*1</sup>, J.E. Sawyer<sup>1</sup>, N.M. Kenney<sup>1</sup>, M.S. Cabaniss<sup>1</sup>, W.E. Pinchak<sup>2</sup>, and T.A. Wickersham<sup>1</sup>, <sup>1</sup>Texas A&M University, College Station, <sup>2</sup>Texas AgriLife Research, Vernon, TX.

2:00 PM 30

**Effect of daily or alternate day distillers grains supplementation with or without Rumensin<sup>®</sup> on performance of growing heifers.**

P. Beck<sup>\*1</sup>, J. Butterbaugh<sup>2</sup>, B. Rudolph<sup>2</sup>, J. Smith<sup>1</sup>, and B. Stuart<sup>1</sup>, <sup>1</sup>University of Arkansas Division of Agriculture, Little Rock, <sup>2</sup>Furst-McNess Co., Freeport, IL.

2:15 PM 31

**Intake control agents for self-fed distillers' grains.**

J. D. Sugg<sup>\*1</sup>, T. A. Wickersham<sup>1</sup>, W. E. Pinchak<sup>3</sup>, S. A. Clement<sup>2</sup>, and J. E. Sawyer<sup>1,2</sup>, <sup>1</sup>Texas A&M University, College Station, <sup>2</sup>Texas Agrilife Research, McGreagor, TX, <sup>3</sup>Texas Agrilife Research, Vernon, TX.

## ANIMAL SCIENCE

2:30 PM 32

**Dried distiller grains fed to calves on bahiagrass and bermudagrass pastures before weaning.**

G. M. Hill<sup>\*1</sup>, K. C. Halbig<sup>1</sup>, A. N. Franklin<sup>1</sup>, and V. A. Corriher<sup>2</sup>, <sup>1</sup>University of Georgia, Tifton, <sup>2</sup>Texas AgriLife Ext. Ctr., Overton, TX.

2:45 PM 33

**Performance of beef calves provided molasses-based creep supplements.**

J. D. Arthington<sup>\*</sup>, University of Florida-IFAS, Range Cattle Research and Education Center, Ona.

### Graduate Student Competition III

Chair: David Riley, Texas A&M University  
Nueces Ballroom A

1:15 PM 34

**Heart rate and physical activity in growing Bonsmara heifers with divergent residual feed intake fed in confinement or on pasture.**

A. N. Hafila<sup>\*1</sup>, G. E. Carstens<sup>1</sup>, T. D. A. Forbes<sup>2</sup>, J. C. Bailey<sup>1</sup>, and E. A. Dany<sup>1</sup>, <sup>1</sup>Texas A&M University, College Station, <sup>2</sup>Texas AgriLife Research, Uvalde, TX.

1:30 PM 35

**The relationship of cow size and calf birth weight to calf weaning weight in a commercial Brangus cow/calf operation.**

C.D. Dobbs<sup>\*1</sup>, M.A. Brown<sup>2</sup>, and D.L. Lalman<sup>1</sup>, <sup>1</sup>Oklahoma State University, Stillwater, <sup>2</sup>USDA ARS Grazinglands Research Laboratory, El Reno, OK.

1:45 PM 36

**Glycerol inhibition of ruminal lipolysis *in vitro*.**

H. Edwards<sup>\*1</sup>, R. Anderson<sup>2</sup>, R. Miller<sup>1</sup>, T.M. Taylor<sup>1</sup>, M. Hardin<sup>1</sup>, S. Smith<sup>1</sup>, N. Krueger<sup>2</sup>, and D. Nisbet<sup>2</sup>, <sup>1</sup>Texas A&M University, College Station, <sup>2</sup>United States Department of Agriculture/Agricultural Research Service, Southern Plains Agricultural Research Center, Food & Feed Safety Research Unit, College Station, TX.

2:00 PM 37

**Identification of key proteins associated with fat accretion in broiler chickens using a proteomics approach.**

G. Kelley<sup>\*</sup>, A. Stewart, X. Wang, F. Chen, and S. Nahashon, Tennessee State University, Nashville.

## ANIMAL SCIENCE

2:15 PM 38

**Evaluation of optimum calcium and phosphorus requirement for pearl grey guinea fowl laying hens.**

L. Glover\*, G. Kelley, T. Boatswain, J. Tyus, and S. Nahashon, *Tennessee State University, Department of Agricultural Sciences, Nashville.*

2:30 PM 39

**Evidence for the expression of a genetically diverse glucose-dependent insulinotropic polypeptide (GIP) gene in the avian hypothalamus.**

J. Tyus\*, N. Bonner, and S. Nahashon, *Tennessee State University, Department of Agricultural Sciences, Nashville.*

2:45 PM

**Break.**

3:00 PM 40

**Developing a low-cost, sustainable feeding system using sweet potato forage for growing rabbits.**

R. Flores\*, S. D. Lukefahr, G. Schuster, K. C. McCuiston, and T. Verma, *Texas A&M University, Kingsville.*

3:15 PM 41

**The effects of ergot alkaloids on bovine sperm motility.**

R. J. Page\*<sup>1</sup>, R. W. Rorie<sup>1</sup>, T. D. Lester<sup>1</sup>, C. L. Williams<sup>1</sup>, M. L. Looper<sup>2</sup>, J. D. Patterson<sup>1</sup>, M. P. Rowe<sup>1</sup>, and C. F. Rosenkrans<sup>1</sup>, <sup>1</sup>*University of Arkansas, Fayetteville,* <sup>2</sup>*USDA-ARS, Booneville, AR.*

3:30 PM 42

**The effect of plant-tannins on mature fat cells regulation in goats.**

F. Xie\*<sup>1</sup>, R.A. Katchko<sup>1</sup>, B. Fielder-Dierking<sup>1</sup>, M.A. Ramirez<sup>1</sup>, E.A. Benavides<sup>1</sup>, R.L. Stanko<sup>1,2</sup>, and M.R. Garcia<sup>1</sup>, <sup>1</sup>*Texas A&M University, Kingsville,* <sup>2</sup>*Texas AgriLife Research Station, Beeville, TX.*

3:45 PM 43

**Leptin influences normal formation of the corpus luteum in the caprine species.**

M.A. Ramirez\*<sup>1</sup>, F. Xie<sup>1</sup>, E.A. Benavides<sup>1</sup>, R.A. Katchko<sup>1</sup>, L. Ayala<sup>1</sup>, D.H. Keisler<sup>3</sup>, R.L. Stanko<sup>1,2</sup>, and M.R. Garcia<sup>1</sup>, <sup>1</sup>*Texas A&M University, Kingsville,* <sup>2</sup>*Texas A&M University, AgriLife Research Station, Beeville,* <sup>3</sup>*University of Missouri, Columbia.*

## ANIMAL SCIENCE

4:00 PM 44

**Relationship of Angus x Charolais cow measurements prepartum with subsequent calf performance.**

A Davis\*<sup>1</sup>, M. L. Looper<sup>2</sup>, T. P. Neidecker<sup>3</sup>, B. C. Williamson<sup>1</sup>, D. L. Kreider<sup>1</sup>, and C. F. Rosenkrans<sup>1</sup>, <sup>1</sup>*University of Arkansas, Department of Animal Science, Fayetteville,* <sup>2</sup>*USDA-ARS, Dale Bumpers Small Farms Research Center, Booneville, AR,* <sup>3</sup>*Neidecker Farms, Van Buren, AR.*

**Small Ruminant Production I: Parasite Control Chair: Niki Whitely, North Carolina A&T University Laguna Madre**

1:30 PM 45

**Small ruminant integrated parasite management and FAMACHA<sup>®</sup> training in the United States.**

N.C. Whitley\*<sup>1</sup>, M.A. Perdue<sup>2</sup>, S. Schoenian<sup>3</sup>, R.M. Kaplan<sup>4</sup>, B. Storey<sup>4</sup>, T.H. Terrill<sup>5</sup>, J.M. Burke<sup>6</sup>, S. Mobini<sup>5</sup>, and J.E. Miller<sup>7</sup>, <sup>1</sup>*North Carolina A&T State University, Greensboro,* <sup>2</sup>*University of Maryland, Eastern Shore, Princess Anne,* <sup>3</sup>*University of Maryland Extension, Keedysville,* <sup>4</sup>*University of Georgia, Athens,* <sup>5</sup>*Fort Valley State University, Fort Valley, GA,* <sup>6</sup>*ARS USDA DBSFRC, Booneville, AR,* <sup>7</sup>*Louisiana State University, Baton Rouge.*

1:45 PM 46

**Evaluation of sericea lespedeza grazed as a summer forage and natural gastrointestinal parasite control for goats.**

J-M. Luginbuhl\*<sup>1</sup>, H.M. Glennon<sup>1</sup>, J.E. Miller<sup>2</sup>, and T.H. Terrill<sup>3</sup>, <sup>1</sup>*North Carolina State University, Raleigh,* <sup>2</sup>*Louisiana State University, Baton Rouge,* <sup>3</sup>*Fort Valley State University, Fort Valley, GA.*

2:00 PM 47

**Effect of feeding sericea lespedeza leaf meal on establishment of gastrointestinal nematode larvae in goats.**

D.S. Kommuru\*<sup>1</sup>, T.H. Terrill<sup>1</sup>, B.R. Joshi<sup>1</sup>, A. Mechineni<sup>1</sup>, S. Gujja<sup>1</sup>, J.E. Miller<sup>2</sup>, J.A. Mosjidis<sup>3</sup>, and J.M. Burke<sup>4</sup>, <sup>1</sup>*Fort Valley State University, Fort Valley, GA,* <sup>2</sup>*Louisiana State University, Baton Rouge,* <sup>3</sup>*Auburn University, Auburn, AL,* <sup>4</sup>*USDA/ARS/DBSFRC, Booneville, AR.*

## ANIMAL SCIENCE

2:15 PM 48

**Influence of condensed tannins from sericea lespedeza on fecal shedding of antibiotic resistance-selected *Escherichia coli* O157:H7 in rams.**

M.L. Looper\*<sup>1</sup>, T.S. Edrington<sup>2</sup>, J.M. Burke<sup>1</sup>, J.E. Miller<sup>3</sup>, J.A. Mosjidis<sup>4</sup>, T.H. Terrill<sup>5</sup>, K.J. Genovese<sup>2</sup>, T.R. Callaway<sup>2</sup>, B.C. Williamson<sup>6</sup>, and C.F. Rosenkrans, Jr.<sup>6</sup>, <sup>1</sup>USDA-ARS, Booneville, AR, <sup>2</sup>USDA-ARS, College Station, TX, <sup>3</sup>Louisiana State University, Baton Rouge, <sup>4</sup>Auburn University, Auburn, AL, <sup>5</sup>Fort Valley State University, Fort Valley, GA, <sup>6</sup>University of Arkansas, Fayetteville.

2:30 PM 49

**Comparison of copper oxide wire particles, copper sulfate and anthelmintic treatment for controlling gastrointestinal nematode infection in lambs.**

J.E. Miller\*<sup>1</sup>, J.M. Burke<sup>2</sup>, J. Garza<sup>1</sup>, S. Callahan<sup>1</sup>, and T.H. Terrill<sup>3</sup>, <sup>1</sup>Louisiana State University, Baton Rouge, <sup>2</sup>USDA ARS, Booneville, AR, <sup>3</sup>Fort Valley State University, Fort Valley, GA.

2:45 PM

**Break.**

3:00 PM 50

**The efficacy of Rabon (tetrachlorvinphos) as a treatment for trichostrongylosis in small ruminants.**

J. Garza\*<sup>1</sup>, J. Bunagan<sup>2</sup>, V. Kelly<sup>3</sup>, and J. Miller<sup>1</sup>, <sup>1</sup>Louisiana State University, <sup>2</sup>University of Texas, Pan American, <sup>3</sup>Oklahoma State University, Stillwater.

3:15 PM 51

**Influence of season of lambing on gastrointestinal nematode infection of lambs.**

J.M. Burke\*<sup>1</sup> and J.E. Miller<sup>2</sup>, <sup>1</sup>USDA, ARS, Booneville, AR, <sup>2</sup>Louisiana State University, Baton Rouge.

3:30 PM 52

**Testing efficacy of anthelmintic combinations in goats.**

S. Hart\*<sup>1</sup>, L. Dawson<sup>2</sup>, and Z. Wang<sup>1</sup>, <sup>1</sup>Langston University, E (Kika) de la Garza American Institute for Goat Research, Langston, OK, <sup>2</sup>Oklahoma State University, Boren College of Veterinary Medicine, Stillwater.

## ANIMAL SCIENCE

3:45 PM 53

**Efficacy of garlic juice, copper oxide wire particles, and anthelmintics to control gastrointestinal nematodes in goats.**

A. D. Courter\*<sup>1</sup>, M. K. Neary<sup>1</sup>, T. K. Hutchens<sup>2</sup>, K. Andries<sup>3</sup>, J. E. Miller<sup>4</sup>, L. M. Pezzanite<sup>1</sup>, J. E. Tower<sup>1</sup>, and M. E. Einstein<sup>1</sup>, <sup>1</sup>Purdue University, West Lafayette, IN, <sup>2</sup>University of Kentucky, Lexington, <sup>3</sup>Kentucky State University, Frankfort, <sup>4</sup>Louisiana State University, Baton Rouge.

4:00 PM 54

**Sunhemp with chicory or pearl millet to minimize gastrointestinal nematode infection in weaned goats.**

J.M. Burke\*<sup>1</sup>, J.A. Mosjidis<sup>2</sup>, J.E. Miller<sup>3</sup>, P. Casey<sup>4</sup>, and T.H. Terrill<sup>5</sup>, <sup>1</sup>USDA, ARS, Booneville, AR, <sup>2</sup>Auburn University, Auburn, AL, <sup>3</sup>Louisiana State University, Baton Rouge, <sup>4</sup>Heifer International, Perryville, AR, <sup>5</sup>Fort Valley State University, Fort Valley, GA.

### Breeding and Genetics

**Chair: Lisa Kriese-Anderson, Auburn University Aransas**

2:00 PM 55

**Genetic parameter estimates for weaning chute behavior score as an indicator trait for temperament in purebred Angus calves.**

A. H. Brown, Jr.\*<sup>1</sup>, Z. B. Johnson<sup>1</sup>, S. W. Coleman<sup>2</sup>, M. A. Elzo<sup>3</sup>, F. A. Thrift<sup>4</sup>, S. M. DeRouen<sup>5</sup>, D. E. Franke<sup>5</sup>, W. E. Wyatt<sup>5</sup>, R. C. Vann<sup>6</sup>, G. R. Hansen<sup>7</sup>, and D. G. Riley<sup>8</sup>, <sup>1</sup>University of Arkansas, Division of Agriculture, Fayetteville, <sup>2</sup>USDA/ARS, Brooksville, FL, <sup>3</sup>University of Florida, Marianna, <sup>4</sup>University of Kentucky, Lexington, <sup>5</sup>Louisiana State University Agcenter, Homer, Baton Rouge, Iberia, Baton Rouge, <sup>6</sup>Mississippi State University, Raymond, <sup>7</sup>North Carolina State University, Plymouth, <sup>8</sup>Texas A&M Agrilife, College Station.

2:15 PM 56

**QTL mapping for overall temperament at weaning in Nellore-Angus cattle using Bayesian Inference.**

L.L. Hulsman\*<sup>1</sup>, S.O. Peters<sup>2</sup>, J.O. Sanders<sup>1</sup>, A.D. Herring<sup>1</sup>, C.A. Gill<sup>1</sup>, and D.G. Riley<sup>1</sup>, <sup>1</sup>Texas A&M University, Department of Animal Science, College Station, <sup>2</sup>New Mexico State University, Department of Animal and Range Sciences, Las Cruces, NM.

## ANIMAL SCIENCE

2:30 PM 57

### **Factors affecting birth weight in Bolivian purebred Nelore cattle.**

E. L. Oxford<sup>\*1</sup>, A. H. Brown, Jr.<sup>1</sup>, J. A. Pereira<sup>2</sup>, J. H. Landivar<sup>3</sup>, C. F. Rosenkrans, Jr.<sup>1</sup>, and B. R. Kutz<sup>1</sup>,  
<sup>1</sup>University of Arkansas, Division of Agriculture, Fayetteville, <sup>2</sup>University Gabriel Rene Moreno, Santa Cruz, Bolivia, <sup>3</sup>Asociacion Boliviana de Criadores de Cebu Bolivian Association of Cebu Breeders (ASOCEBU), Santa Cruz, Bolivia.

2:45 PM 58

### **Heterosis for calving and weaning rates in Brahman- Hereford cows.**

L. Boenig<sup>\*</sup>, D.G. Riley, J.O. Sanders, and J.A. Sawyer, Texas A&M University, College Station.

3:00 PM

### **Break.**

3:15 PM 59

### **Evaluation of F1 cows by Brahman, Boran, and Tuli bulls for reproductive, maternal and longevity traits.**

C.T. Muntean<sup>\*</sup>, J.O. Sanders, A.D. Herring, and D.G. Riley, Texas A&M University, College Station.

3:30 PM 60

### **Coefficient of heritability for underline scores in Beefmaster cattle.**

B. R. Kutz<sup>\*1</sup>, A. H. Brown, Jr.<sup>1</sup>, T. L. Perkins<sup>2</sup>, Z. B. Johnson<sup>1</sup>, and C. F. Rosenkrans, Jr.<sup>1</sup>, <sup>1</sup>University of Arkansas, Division of Agriculture, Fayetteville, <sup>2</sup>Beefmaster Breeders United, San Antonio, TX.

3:45 PM 61

### **Effects of hair coat shedding on weaning performance and association to hair measurements in beef cattle females.**

N. B. Simmons<sup>\*</sup>, M. L. Marks, J. A. Parish, S. T. Willard, and T. Smith, Mississippi State University, Starkville.

4:00 PM 62

### **Effects of osteopontin single nucleotide polymorphisms on bull semen quality.**

C.L. Williams<sup>\*</sup>, T.D. Lester, M.P. Rowe, C.F. Rosenkrans, Jr., and R.W. Rorie, University of Arkansas Division of Agriculture, Fayetteville.

## ANIMAL SCIENCE

### OTHER EVENTS

#### **Small Ruminant Subcommittee of the NAGP Laguna Madre**

7:00 PM

#### **Small Ruminant Subcommittee of the NAGP.**

Tuesday, February 8

### SYMPOSIA AND ORAL SESSIONS

#### **Ruminant Animal Production II**

**Chair: Adegbola Adesogan, University of Florida Nueces Ballroom B**

8:00 AM 63

#### **SS-ASAS Emerging Scholar Award: Weaning management of newly received beef calves with or without exposure to a persistently infected bovine viral diarrhea virus type 1b calf: Effects on health, performance, bovine viral diarrhea virus type 1a titers, and circulating leukocytes**

J. T. Richeson<sup>\*1</sup>, E. B. Kegley<sup>1</sup>, B. L. Vander Ley<sup>2</sup>, and J. F. Ridpath<sup>3</sup>, <sup>1</sup>University of Arkansas, Fayetteville, <sup>2</sup>Iowa State University, Ames, <sup>3</sup>USDA-ARS, National Animal Disease Center, Ames, IA.

8:45 AM 64

#### **Performance of beef steers finished on three forage systems in the deep South.**

G. Scaglia<sup>\*1</sup>, J. Rodriguez<sup>2</sup>, G. Gentry<sup>2</sup>, K. McMillin<sup>2</sup>, and J. Gillespie<sup>3</sup>, <sup>1</sup>Louisiana State University, Agricultural Center, Iberia Research Station, Jeanerette, <sup>2</sup>Louisiana State University, Agricultural Center, School of Animal Sciences, Baton Rouge, <sup>3</sup>Louisiana State University, Agricultural Center, Department of Agricultural Economics and Agribusiness, Baton Rouge.

9:00 AM 65

#### **Do heating treatments change the cis-9, trans-11 conjugated linoleic acid level in dairy products?**

G. Davila- El Rassi and V. Banskalieva<sup>\*</sup>, Oklahoma State University, Robert M. Kerr Food and Agricultural Products Center, Sillwater.

## ANIMAL SCIENCE

9:15 AM 66

**Effects of form and level of nitrogen intake on serum urea nitrogen and urine urea nitrogen concentrations, and total nitrogen excretion in feedlot cattle.**

A Gueye\*<sup>1,2</sup>, C.R. Richardson<sup>2</sup>, and N.A. Cole<sup>3</sup>,  
<sup>1</sup>Mount Ida College, Newton Center, MA, <sup>2</sup>Texas Tech University, Lubbock, <sup>3</sup>USDA-ARS Conservation and Production Research Laboratory, Bushland, TX.

9:30 AM 67

**Influence of crude glycerin in the growing diet on Angus and Braunvieh-sired steer calves.**

M.H. Poore\*, J.P. Cassady, M.A. Alley, and K.A. Gray, North Carolina State University, Raleigh.

9:45 AM 68

**Evaluation of an ear-mounted thermometer device and antibiotic metaphylaxis in newly received beef calves.**

J. T. Richeson\*, J. G. Powell, E. B. Kegley, and J. A. Hornsby, University of Arkansas, Fayetteville.

### Extension I

**Chair: Jeff Lehmkuhler, University of Kentucky Capano**

8:15 AM 69

**A survey of soil and plant tissue nutrient status of established bahiagrass pastures in south west Florida.**

R.D. Speckmann\*<sup>1</sup>, M.L. Silveira<sup>1</sup>, B. Carlisle<sup>2</sup>, C.L. Kirby<sup>2</sup>, R.W. Gortto<sup>2</sup>, and L.F. Wiggins<sup>2</sup>, <sup>1</sup>University of Florida, Range Cattle Research and Education Center, Ona, <sup>2</sup>University of Florida, IFAS Extension, Gainesville.

8:30 AM 70

**Forage/management systems for beef cow-calf production.**

R. Burris\*, L. Anderson, D. Bullock, J. Lehmkuhler, and J. Randolph, University of Kentucky, Princeton.

8:45 AM 71

**Effect of stocking rate on the dawn to dusk activity of non-lactating beef cows.**

M.S. Gadberry<sup>1</sup>, G. Montgomery\*<sup>2</sup>, and W. Whitworth<sup>2</sup>, <sup>1</sup>University of Arkansas, Coop Ext Serv, Little Rock, <sup>2</sup>University of Arkansas, SEREC, Monticello.

9:00 AM 72

**An intensive production system using lightweight stocker cattle as an alternative to traditional systems.**

R. R. Reuter\*, J. K. Rogers, J. D. Springer, B. C. Flatt, and J. T. Biermacher, The Samuel Roberts Noble Foundation, Inc., Ardmore, OK.

## ANIMAL SCIENCE

9:15 AM 73

**UGA basic balancer: A computer based ration balancing program.**

R.L. Stewart, Jr.\*<sup>1</sup>, D.W. Hancock<sup>1</sup>, and R.C. Lacy<sup>2</sup>,  
<sup>1</sup>University of Georgia, Athens, <sup>2</sup>University of Georgia, Tifton.

9:30 AM 74

**Evaluation of ranking performance tested bulls by reducing the testing period from 112 Days to 84 days.**

F.D. Kirkpatrick\*, J.B. Neel, and B.T. Campbell, University of Tennessee, Knoxville.

9:45 AM 75

**Using estrus synchronization and AI to improve market value of calves.**

L. H. Anderson\*<sup>1</sup>, K. D. Bullock<sup>1</sup>, J. D. Rhinehart<sup>2</sup>, J. W. Lehmkuhler<sup>1</sup>, and W. R. Burris<sup>1</sup>, <sup>1</sup>University of Kentucky, Lexington, <sup>2</sup>University of Tennessee, Knoxville.

10:00 AM

**Break.**

### Pastures and Forages

**Chair: Joao Vendramini, University of Florida Matagorda**

8:15 AM 76

**Effects of sow stocking rates on soil nutrients in a bermudagrass (*Cynodon dactylon*) pasture.**

S. Pietrosemoli\*<sup>1</sup>, J. C. Guevara<sup>2</sup>, and J. T. Green<sup>3</sup>,  
<sup>1</sup>North Carolina State University, Animal Science Department, Raleigh., <sup>2</sup>Alternative swine research and extension project, Raleigh, NC, <sup>3</sup>North Carolina State University, Crop Science Department, Raleigh.

8:30 AM 77

**Effects of year-round stocking rates and stocking methods on cow-calf productivity and forage nutritive value.**

W. E. Wyatt\*<sup>1</sup>, B. C. Venuto<sup>2</sup>, J. M. Gillespie<sup>3</sup>, and D. C. Blouin<sup>3</sup>, <sup>1</sup>Louisiana State University Agricultural Center, Jeanerette, <sup>2</sup>Grazing Lands Research Laboratory, USDA, ARS, El Reno, OK, <sup>3</sup>Louisiana State University Agricultural Center, Baton Rouge.

8:45 AM 78

**Comparing nitrogen fertilizer to interseeded clovers or alfalfa in bermuagrass pastures for growing calves.**

P. Beck\*<sup>1</sup>, T. Hess<sup>1</sup>, D. Hubbell<sup>1</sup>, J. Jennings<sup>1</sup>, and D. Miller<sup>2</sup>, <sup>1</sup>University of Arkansas, Division of Agriculture, Little Rock, <sup>2</sup>Producers Choice Seed, Nampa, ID.

## ANIMAL SCIENCE

9:00 AM 79

### **Intake and digestibility of corn stover by beef cattle.**

M.H. Poore, S.R. Freeman\*, S.M. White, G. Whitener, A.D. Shaeffer, and S.L. Vick, *North Carolina State University, Raleigh.*

9:15 AM 80

### **Relationships between performance and feed efficiency in Bonsmara heifers when confinement fed or on pasture.**

L.M. Wiley\*<sup>1,2</sup>, T.D.A. Forbes<sup>2</sup>, A.N. Hafla<sup>1</sup>, C.M. Hensarling<sup>2</sup>, B.G. Warrington<sup>2</sup>, and G.E. Carstens<sup>1</sup>, <sup>1</sup>Texas A&M University, College Station, <sup>2</sup>Texas AgriLife Research, Uvalde, TX.

9:30 AM

### **Break.**

9:45 AM 81

### **Effect of cultivar, maturity, and harvest form of peanut (*Arachis hypogaea*) on nutritive value and in situ degradation kinetics.**

J. L. Foster\*<sup>1</sup>, G. C. Lamb<sup>2</sup>, B. Tillman<sup>3</sup>, J. Marois<sup>3</sup>, D. Wright<sup>3</sup>, and M. K. Maddox<sup>2</sup>, <sup>1</sup>Texas A&M University, Texas AgriLife Research, Department of Soil and Crop Sciences, Beeville, <sup>2</sup>North Florida Research and Education Center, University of Florida Department of Animal Sciences, Marianna, <sup>3</sup>North Florida Research and Education Center, Agronomy Department, Marianna.

10:00 AM 82

### **Seeding winter legumes into Bermudagrass (*Cynodon dactylon*) pastures: forage yield and impact on subsequent summer hay crop.**

S.R. Freeman\*, M.H. Poore, A.D. Shaeffer, and H.M. Glennon, *North Carolina State University, Raleigh.*

10:15 AM 83

### **Forage quality of triticale fertilized with poultry litter or commercial fertilizer.**

C. Britton, W. Owsley\*, R. Muntifering, and C. Wood, *Auburn University, Auburn, AL.*

10:30 AM 84

### **Effect of endophyte infected tall fescue seed extract on cytochrome P450 system.**

A.S. Moubarak\*<sup>1</sup>, Z.B. Johnson<sup>1</sup>, M.L. Looper<sup>2</sup>, and C.F. Rosenkrans, Jr<sup>1</sup>, <sup>1</sup>University of Arkansas, Fayetteville, <sup>2</sup>USDA-ARS, Booneville, AR.

10:45 AM 85

### **Ingestion of tall fescue (*Festuca arundinacea* Schreb.) seed reduces surface temperature of Angus steers in a thermoneutral environment.**

B. Junell\*, G. Huntington, M. Ashwell, M. Poore, and A. Rodger, *North Carolina State University, Raleigh.*

## ANIMAL SCIENCE

### **Physiology I**

**Chair: Peter Ryan, Mississippi State University  
Laguna Madre**

8:15 AM 86

### **Differential response to lipopolysaccharide (LPS) and corticotrophin-releasing hormone (CRH) on immune parameters.**

N.C. Burdick\*<sup>1,2</sup>, L.E. Hulbert<sup>1,3</sup>, J.A. Carroll<sup>1</sup>, L.C. Caldwell<sup>2</sup>, M.A. Ballou<sup>3</sup>, R.C. Vann<sup>4</sup>, A.N. Loyd<sup>2</sup>, T.H. Welsh, Jr.<sup>2</sup>, and R.D. Randel<sup>5</sup>, <sup>1</sup>Livestock Issues Research Unit, USDA-ARS, Lubbock, TX, <sup>2</sup>Texas AgriLife Research, Texas A&M System, College Station, <sup>3</sup>Texas Tech University, Department of Animal and Food Sciences, Lubbock, <sup>4</sup>MAFES, Mississippi State University, Raymond, <sup>5</sup>Texas AgriLife Research, Overton, TX.

8:30 AM 87

### **Effect of temperament on response to cannulation and glucose challenge in crossbred beef heifers.**

B.L. Bradbury\*<sup>1</sup>, R.C. Vann<sup>2</sup>, L.C. Mapel<sup>3</sup>, A.W. Lewis<sup>1</sup>, T.H. Welsh Jr.<sup>3</sup>, and R.D. Randel<sup>1</sup>, <sup>1</sup>Texas AgriLife Research, Overton, TX, <sup>2</sup>MAFES-Brown Loam Experiment Station, Raymond, MS, <sup>3</sup>Texas AgriLife Research, College Station, TX.

8:45 AM 88

### **Plasma cortisol levels in roping calves.**

A.L. Greathouse\*, B. Pousson, K. Comeaux, J. Browning, and C.E. Ferguson, *McNeese State University, Lake Charles, LA.*

9:00 AM 89

### **Body temperature measurements of senepol and crossbred calves in the tropics.**

D.L. Rubino\*<sup>2</sup>, A.J. Weis<sup>1</sup>, A.M. Hogg<sup>1</sup>, and R.W. Godfrey<sup>1</sup>, <sup>1</sup>University of the Virgin Islands, St Croix, <sup>2</sup>Delaware Valley College, Doylestown, PA.

9:15 AM 90

### **A novel role for arginine in enhancing neonatal thermogenesis.**

S.M. Greff\*, G. Wu, and M.C. Satterfield, *Texas A&M University, College Station.*

9:30 AM

### **Break.**

9:45 AM 91

### **Effects of GnRH and prostaglandin combined with a short progestin regimen on the synchrony of estrus and pregnancy rate in ewes.**

J.W. Dickison\*, W.S. Ramsey, D.W. Forrest, G.A. Holub, and C.A. Cavinder, *Texas A&M University, College Station.*

## ANIMAL SCIENCE

10:00 AM 92

### **Evaluation of organic versus inorganic trace mineral supplementation on bull semen quality.**

M.P. Rowe\*, C.L. Williams, R.J. Page, T.D. Lester, C.F. Rosenkrans, Jr., J.G. Powell, and R.W. Rorie, *University of Arkansas, Division of Agriculture, Fayetteville.*

10:15 AM 93

### **Conception rates of sex-sorted semen in beef heifers and cows.**

J. D. Rhinehart<sup>1</sup>, A. M. Arnett<sup>2</sup>, L. H. Anderson<sup>3</sup>, W. D. Whittier<sup>4</sup>, J. E. Larson<sup>5</sup>, W. R. Burris<sup>3</sup>, J. B. Elmore<sup>6</sup>, D. T. Dean<sup>7</sup>, and J. M. DeJarnette<sup>2</sup>, <sup>1</sup>*University of Tennessee, Knoxville*, <sup>2</sup>*Select Sires Inc., Plain City, OH*, <sup>3</sup>*University of Kentucky, Lexington*, <sup>4</sup>*Virginia Tech University, Blacksburg*, <sup>5</sup>*Mississippi State University, Starkville*, <sup>6</sup>*Auburn University, Auburn, AL*, <sup>7</sup>*Sexing Technologies, Navasota, TX.*

10:30 AM 94

### **Use of MATRIX<sup>®</sup> and P.G. 600<sup>®</sup> in combination to synchronize estrus in replacement gilts.**

M.J. Estienne\*, *Virginia Polytechnic Institute and State University, Blacksburg.*

10:45 AM 95

### **The incidence of calving was influenced by barometric pressure and maximum and minimum temperatures.**

T. R. Troxel<sup>1</sup> and Z. B. Johnson<sup>2</sup>, <sup>1</sup>*University of Arkansas, Little Rock*, <sup>2</sup>*University of Arkansas, Fayetteville.*

### **Small Ruminant Production II: Nutrition, Carcass and Reproduction**

**Chair: Ken Andries, Kentucky State University Aransas**

8:30 AM 96

### **Growth performance and carcass characteristics of Awassi lambs fed diets containing carob pods (*Ceratonia siliqua* L).**

B. S. Obeidat\*, M. A. Alrababah, A. Y. Abdullah, M. N. Alhamad, M. A. Gharaybeh, T. M. Rababah, and M. A. Abu Ishmais, *Jordan University of Science and Technology, Irbid, Jordan.*

8:45 AM 97

### **Carcass characteristics of wether lambs fed increasing levels of distillers dried grains with solubles.**

G. Abdelarhim<sup>1</sup>, J. Khatiwada<sup>1</sup>, J. Vizcarra<sup>1</sup>, N. Gurung<sup>2</sup>, and D. Rankins<sup>3</sup>, <sup>1</sup>*Alabama A&M University, Huntsville*, <sup>2</sup>*Tuskegee University, Tuskegee, AL*, <sup>3</sup>*Auburn University, Auburn, AL.*

## ANIMAL SCIENCE

9:00 AM 98

### **Carcass characteristics of pasture-raised goats.**

S.G. Schoenian<sup>1</sup>, M.B. Bennett<sup>5</sup>, E.N. Escobar<sup>6</sup>, D.G. Gordon<sup>3</sup>, J.W. Semler<sup>2</sup>, and M.S. Updike<sup>4</sup>, <sup>1</sup>*University of Maryland, Keedysville*, <sup>2</sup>*University of Maryland, Boonsboro*, <sup>3</sup>*University of Maryland, Derwood*, <sup>4</sup>*University of Maryland, College Park*, <sup>5</sup>*West Virginia University, Martinsburg*, <sup>6</sup>*University of Maryland, Eastern Shore, Princess Anne.*

9:15 AM 99

### **Effect of feeding tannins-containing pine bark on growth performance, rumen fermentation, blood metabolites, and carcass traits in Kiko-cross goats.**

B.R. Min<sup>1</sup>, S. Solaiman<sup>1</sup>, N. Gurung<sup>1</sup>, J. Behrends<sup>2</sup>, J. Eun<sup>3</sup>, E. Taha<sup>1</sup>, and J. Rose<sup>1</sup>, <sup>1</sup>*Tuskegee University, Tuskegee, AL*, <sup>2</sup>*Mississippi State University, Mississippi State*, <sup>3</sup>*Utah State University, Logan.*

9:30 AM

### **Break.**

9:45 AM 100

### **Treated olive cake as a non-forage fiber source: effects on nutrient intake, nutrient digestibilities, and performance of finishing Awassi lambs.**

M. S. Awawdeh\*, *Jordan University of Science and Technology, Irbid, Jordan.*

10:00 AM 101

### **Performance of two breeds of lactating hair sheep ewes fed rumen by-pass fat following winter lambing.**

S. Wildeus\* and E.J. Chozu, *Virginia State University, Petersburg.*

10:15 AM 102

### **Evaluating the influence of breed on hair coat characteristics and body temperature of hair sheep in the tropics.**

T. Creighton<sup>2</sup>, A.M. Hogg<sup>1</sup>, and R.W. Godfrey<sup>1</sup>, <sup>1</sup>*University of the Virgin Islands, St Croix*, <sup>2</sup>*Tuskegee University, Tuskegee, AL.*

10:30 AM 103

### **The effects of increased molybdenum on testicular morphology and serum testosterone in Boer-Cross goats.**

O. U. Bolden-Tiller\*, T. Atkinson, K. Beguesse, and S. Solaiman, *Tuskegee University, Tuskegee Institute, AL.*

## ANIMAL SCIENCE

### Extension II

Chair: Justin Rhinehart, University of Tennessee  
Capano

10:15 AM 104

**Assessing variability of on-farm post-weaning feeder calf performance.**

J.W. Lehmkuhler\*, K. Burdine, and W.R. Burris,  
*University of Kentucky, Lexington.*

10:30 AM 105

**Using electronic forms for rapid response.**

J.W. Lehmkuhler\*, S.R. Smith, G.D. Lacefield, M. Bilderback, and W.R. Burris, *University of Kentucky, Lexington,.*

10:45 AM 106

**Use of a cattle artificial insemination school as extension programming.**

J. A. Parish, M. L. Marks\*, and J. E. Larson,  
*Mississippi State University, Mississippi State.*

11:00 AM 107

**Use of a twice monthly videoconference to meet extension needs.**

D.L. Rankins, Jr.\* and W.N. Presley, *Auburn University, Auburn, AL.*

11:15 AM 108

**Beef IQ: Use of critical control points to evaluate and improve beef cattle management practices.**

B. L. Barham\*<sup>1</sup>, M.S. Gadberry<sup>1</sup>, P. Beck<sup>2</sup>, W. Witworth<sup>3</sup>, J. Jennings<sup>1</sup>, and J. Powell<sup>4</sup>, <sup>1</sup>*University of Arkansas, Division of Agriculture, Little Rock,* <sup>2</sup>*University of Arkansas, Division of Agriculture, Hope,* <sup>3</sup>*University of Arkansas, Division of Agriculture, Monticello,* <sup>4</sup>*University of Arkansas, Division of Agriculture, Fayetteville.*

11:30 AM 109

**Beef IQ program: 2-year follow-up survey of participants.**

M.S. Gadberry\*<sup>1</sup>, B.L. Barham<sup>1</sup>, T.R. Troxel<sup>1</sup>, P. Beck<sup>2</sup>, W. Whitworth<sup>3</sup>, J. Powell<sup>4</sup>, and J. Jennings<sup>1</sup>, <sup>1</sup>*University of Arkansas, Coop Ext Serv, Little Rock,* <sup>2</sup>*University of Arkansas, SWREC, Hope,* <sup>3</sup>*University of Arkansas, SEREC, Monticello,* <sup>4</sup>*University of Arkansas, Dept. of ANSC, Fayetteville.*

## ANIMAL SCIENCE

### Extension III

Chair: Jason Banta, Texas A&M University  
Capano

1:15 PM 110

**Building confidence and skills of female livestock extension agents.**

A.D. Shaeffer\*, M.H. Poore, M.J. Kistler, J.A. Moore, and M.L. Alley, *North Carolina State University, Raleigh.*

1:30 PM 111

**The impact of "Beef Cattle Time" as perceived by Tennessee beef producers.**

C.L. Perez, J.B. Neel\*, R.G. Waters, C.A. Stephens, and B.T. Campbell, *University of Tennessee, Knoxville.*

1:45 PM 112

**Effect of size of beef operations on management techniques.**

J.B. Neel\*<sup>1</sup>, C.D. Lane<sup>1</sup>, F.D. Kirkpatrick<sup>1</sup>, W.W. Gill<sup>2</sup>, and B.T. Campbell<sup>1</sup>, <sup>1</sup>*University of Tennessee, Knoxville,* <sup>2</sup>*Middle Tennessee State University, Murfreesboro.*

2:00 PM 113

**Effect of producer characteristics on size of beef operations and management practices.**

B.T. Campbell\*<sup>1</sup>, J.B. Neel<sup>1</sup>, C.D. Lane<sup>1</sup>, F.D. Kirkpatrick<sup>1</sup>, and W.W. Gill<sup>2</sup>, <sup>1</sup>*University of Tennessee, Knoxville,* <sup>2</sup>*Middle Tennessee State University, Murfreesboro.*

2:15 PM 114

**Affects of fat content and source on consumption time by two year old quarter horses.**

M.L. McMillan\*, K.R. Hall, S.F. Kelley, and L.R. McMillan, *Sam Houston State University, Huntsville, TX.*

### Meats

Chair: Ty Schmidt, Mississippi State University  
Laguna Madre

1:15 PM 115

**Effects of phase-feeding beef tallow on growth performance and carcass characteristics of growing-finishing pigs fed dried distillers grains with solubles.**

N. A. Browne\*, J. K. Apple, C. V. Maxwell, J. W. S. Yancey, C. L. Bradley, R. J. Stackhouse, and C. A. Keys, *University of Arkansas, Division of Agriculture, Department of Animal Science, Fayetteville.*

## ANIMAL SCIENCE

1:30 PM 116

**Effects of residual feed intake classification on carcass characteristics, tenderness and value in Angus-based composite steers.**

J.W. Behrens\*, R.K. Miller, J.C. Bailey, J.T. Walter, L.O. Tedeschi, and G.E. Carstens, *Texas A&M University, College Station.*

1:45 PM 117

**Translocation of surface-inoculated *Escherichia coli* into whole muscle non-intact beef striploins following blade tenderization.**

D. Johns<sup>1</sup>, C. Bratcher\*<sup>1</sup>, C. Kerth<sup>2</sup>, and T. McCaskey<sup>1</sup>, <sup>1</sup>*Auburn University, Auburn, AL*, <sup>2</sup>*Texas A&M University, College Station.*

2:00 PM 118

**Evaluating the flavor profile of pre-cooked roasts from forage versus grain fed beef.**

K. McMurtrie<sup>1</sup>, C. Bratcher\*<sup>1</sup>, C. Kerth<sup>2</sup>, B. Smith<sup>3</sup>, and P. Curtis<sup>1</sup>, <sup>1</sup>*Auburn University, Auburn, AL*, <sup>2</sup>*Texas A&M University, College Station*, <sup>3</sup>*John R White, Birmingham, AL.*

2:15 PM 119

**Effects of cytochrome P450 genotype and tall fescue cultivar on taste panel evaluation of and alkaloid concentrations in beef.**

C. Rosenkrans, Jr.\*<sup>1</sup>, M. Looper<sup>2</sup>, C. Krehbiel<sup>3</sup>, D. VanOverbeke<sup>3</sup>, and N. Hill<sup>4</sup>, <sup>1</sup>*University of Arkansas, Fayetteville*, <sup>2</sup>*USDA-ARS, Booneville, AR*, <sup>3</sup>*Oklahoma State University, Stillwater*, <sup>4</sup>*University of Georgia, Athens.*

2:30 PM 120

**Demographics of branded beef consumers: Have they changed over time?**

M. Beverly\*<sup>1</sup>, K. Stutts<sup>1</sup>, S. Kelley<sup>1</sup>, R. Hanagriff<sup>2</sup>, and R. Rhoades<sup>2</sup>, <sup>1</sup>*Sam Houston State University, Huntsville, TX*, <sup>2</sup>*Texas A&M University, Kingsville.*

2:45 PM 121

**Product characteristics and promotional items that impact consumer beef purchases.**

K. J. Stutts\*<sup>1</sup>, M. M. Beverly<sup>1</sup>, S. F. Kelley<sup>1</sup>, R. D. Hanagriff<sup>2</sup>, and R. D. Rhoades<sup>2</sup>, <sup>1</sup>*Sam Houston State University, Huntsville, TX*, <sup>2</sup>*Texas A&M University, Kingsville.*

## ANIMAL SCIENCE

### Physiology II

**Chair: Olga Bolden-Tiller, Tuskegee University  
Aransas**

1:15 PM 122

**Insulin resistance in Brahman bulls and heifers selected for residual feed intake.**

G. L. Shafer\*<sup>1,2</sup>, A. W. Lewis<sup>1</sup>, D. A. Neuendorff<sup>1</sup>, L. C. Mapel<sup>2</sup>, T. D. A. Forbes<sup>3</sup>, T. H. Welsh, Jr.<sup>2</sup>, and R. D. Randel<sup>1</sup>, <sup>1</sup>*Texas AgriLife Research, Overton*, <sup>2</sup>*Texas AgriLife Research, College Station*, <sup>3</sup>*Texas AgriLife Research, Uvalde.*

1:30 PM 123

**Chromium supplementation enhances the acute phase response of steers to a lipopolysaccharide (LPS) challenge.**

N.C. Burdick\*<sup>1</sup>, B.C. Bernhard<sup>2</sup>, J.A. Carroll<sup>1</sup>, J.W. Dailey<sup>1</sup>, R.J. Rathmann<sup>2</sup>, and B.J. Johnson<sup>2</sup>, <sup>1</sup>*Livestock Issues Research Unit, USDA-ARS, Lubbock, TX*, <sup>2</sup>*Texas Tech University, Department of Animal and Food Sciences, Lubbock.*

1:45 PM 124

**Acute modulation of cytokine gene expression in bovine PBMCs by endogenous cortisol.**

N.C. Burdick\*<sup>1,3</sup>, B.J. Agado<sup>2</sup>, R.D. Randel<sup>2</sup>, D.A. Neuendorff<sup>2</sup>, J.A. Carroll<sup>3</sup>, R.C. Vann<sup>4</sup>, C.G. Chitko-McKown<sup>5</sup>, S.D. Lawhon<sup>6</sup>, and T.H. Welsh, Jr.<sup>1,6</sup>, <sup>1</sup>*Texas AgriLife Research, Texas A&M System, College Station*, <sup>2</sup>*Texas AgriLife Research, Texas A&M System, Overton*, <sup>3</sup>*Livestock Issues Research Unit, USDA-ARS, Lubbock, TX*, <sup>4</sup>*MAFES, Mississippi State University, Raymond*, <sup>5</sup>*US Meat Animal Research Center, USDA-ARS, Clay Center, NE*, <sup>6</sup>*Texas A&M University, College of Veterinary Medicine, College Station.*

2:00 PM 125

**Comparison of peripheral concentrations of adrenocorticotropin (ACTH), cortisol (CS) and insulin-like growth factor-I (IGF-I) in term septic and non-septic neonatal foals.**

J. R. Gold<sup>1</sup>, L. C. Caldwell\*<sup>2</sup>, B. L. Ideus<sup>2</sup>, N. D. Cohen<sup>1</sup>, and T. H. Welsh, Jr.<sup>2</sup>, <sup>1</sup>*Texas A&M University, College Station*, <sup>2</sup>*Texas AgriLife Research, College Station, TX.*

2:15 PM 126

**Differences in hepatic IGF signaling in IUGR and IUGA fetuses from nutrient restricted dams.**

M.C. Satterfield\*, R.M. Simmons, S.M. Greff, and K.A. Dunlap, *Texas A&M University, College Station.*

## ANIMAL SCIENCE

2:30 PM 127

### **Effects of monensin on *Campylobacter* and *Salmonella* in vitro.**

N.A. Krueger\*<sup>1</sup>, R.C. Anderson<sup>1</sup>, J.A. Byrd<sup>1</sup>, M.D. Flythe<sup>2</sup>, and D.J. Nisbet<sup>1</sup>, <sup>1</sup>*Food & Feed Safety Research Unit, United States Department of Agriculture, Agriculture Research Service, College Station, TX*, <sup>2</sup>*University of Kentucky, Forage Animal Production Research Unit, Lexington.*

2:45 PM 128

### **Bioluminescence imaging of luciferase reporter gene expression within intact porcine ovarian follicles in vitro.**

S. Jung\* and S. T. Willard, *Mississippi State University, Mississippi State.*

## BIOCHEMISTRY AND BIOTECHNOLOGY

### **108<sup>th</sup> Annual Meeting of The Southern Association of Agricultural Scientists**

**Biochemistry and Biotechnology Division  
Omni Hotel, Bayfront Capano Room  
Corpus Christi, Tx, February 7, 2011**

- 8:55** Introductory Remarks – Dr. Jeff Boles, President  
Dr. SK Ballal, Program Chair
- 9:00** “Production of Chemicals from Agricultural Materials by Microbial Conversions” **George Bennett** and Ka-Yiu San, Department of Biochemistry & Cell Biology Rice University 6100 Main St., Houston, Texas 77005-1892.
- 9:30** “The Role of Kudzu as an Alternative Food Crop and Phytoremediator of Selected Metal” **Safaa Al-Hamdani**, David Ponder and Kristin Schwarzauer, Biology Department, Jacksonville State University, Jacksonville, AL 36265
- 10:00** “Lead-tolerant *Ochrobactrum* strain Pb4 and Other Bacteria Isolated from Lead-Contaminated Soil and Chat” **Jim Champine**, Jennifer L. Seabaugh, Maria Palmieri, Philip W. Crawford, Danielle Brakefield, Joseph Toney, Saira Khan, James Collins, Jason T. Forsys and Maija Bluma, One University Plaza, Biology Department, MS6200, Southeast Missouri State University, MO 63701.
- 10:30** “Mapping the Cis-Regulatory Elements for Caffeine and Phenobarbital Induction of a Drosophila Cytochrome P450 Gene by Site-Directed Mutagenesis” **Ranjan Ganguly** and Olivia Hill, Department of Biochemistry, Cellular & Molecular Biology, M407 Walters Life Science Building, The University of Tennessee, Knoxville, TN 37996.
- 11:00** “The Plasma Membrane Serves as a Subcellular Location for One Isoform of Myo-inositol 1 Phosphate Synthase in Arabidopsis” **Margaret Johnson**, Tiffany Johnson and Xin Yang, Department of Biological Sciences, The University of Alabama, Tuscaloosa, AL 35487.
- 11:30 Lunch**

## BIOCHEMISTRY AND BIOTECHNOLOGY

- 1:00** "Molecular Mechanisms Underlying Vernalization Response" **Sibum Sungand**, Jae Bok Heo, Dong-Hwan Kim and Brett R. Zografos, Section of Molecular Cell & Developmental Biology and Institute for Cellular & Molecular Biology, University of Texas at Austin, Austin, TX 78712.
- 1:30** "Modulation of Plant Auxin Response by Environmental Stresses" **Sunethra Dharmasiri**, Thilanka Jayaweera, Praveen Kumar Kathare, Nirmala Karunarathna, Yuting Hou, Kevin Hartgrove, Sherry Albers and Nihal Dharmasiri, 601 University Drive, Department of Biology, Texas State University, San Marcos, TX 78666.
- 2:00** "No Sweat: A New Method for Engineering Thermotolerant Crops" **Kendal Hirschi**, Ning Hui Cheng and Sunghun Park, Children's Nutrition Research Center, Baylor College of Medicine, Houston TX 77030.
- 2:30** "Production and Field Testing of Transgenic Cotton That Expresses Transcription Factors for Enhanced Traits and Productivity Under Drought Stress" **Chris Rock**, Amandeep Mittal, Tom Thompson and John Burke, Department of Biological Sciences, Texas Tech University, mailstop 3131, Lubbock, TX 79409-3131
- 3:00** "Sequencing of the First Cultivated Cotton Genome by Texas and Its Implications for Breeding" **Thea A. Wilkins**, Gregory D. May, Joann Mudge and Curt Brubaker, Dept. of Plant and Soil Science, Texas Tech University, Mail Stop 42122, Lubbock, TX 79424.
- 3:30** **Closing Remarks**

## HORTICULTURAL SCIENCE

**PROGRAM**  
**71th ANNUAL MEETING**  
**Southern Region**  
**American Society for Horticultural Science**  
**Corpus Christi, TX**  
**February 5-7, 2011**

### SPECIAL EVENTS AND SESSIONS

#### SATURDAY, February 5, 2011

**7:00 am - 6:00 pm**

##### **Registration**

Presiding: Dave Reed

Room: Bayfront Hotel Lobby

**8:00 am - 5:00 pm**

##### **Certified Horticulturist Examination**

Presiding: Mike Neff

Room: Bayfront Laguna Madre

**8:00 am - 5:00 pm**

##### **Pecan Research and Extension Forum**

Presiding: Monty Nesbitt

Room: Bayfront Copano

**8:00 am - 5:00 pm**

##### **Southern Blueberry/Small Fruit Workers**

Presiding: Elena Garcia

Room: Bayfront Matagorda

**10:00 am - 11:30 pm**

##### **ACB Program, Share Club Activities and Refreshments**

Presiding: Chris von Kohn, ACB President

Room: Bayfront Nueces Ballroom A

**12:00 noon - 5:00 pm**

##### **ACB Group Lunch and/or Tour**

Presiding: Chris von Kohn, ACB President

Room: Bayfront Nueces Ballroom A or TBA

**1:00 pm - 5:00 pm**

##### **Horticulture Administrators**

Presiding: Doug Bailey

Room: Bayfront Partnership Boardroom

**5:00 pm - 6:00 pm**

##### **Executive Committee Meeting**

Presiding: Cynthia McKenney, Chair,  
Executive Committee

Room: Bayfront Partnership Boardroom

**6:00 pm - until**

##### **ACB Reception and Mixer**

Presiding: Chris von Kohn, ACB President

Room: Bayfront Nueces Ballroom A or TBA

## HORTICULTURAL SCIENCE

### SUNDAY, FEBRUARY 6, 2011

**7:00 am - 6:00 pm**

#### **Registration**

Presiding: Dave Reed

Room: AmBank Level 1 Foyer

**8:00 am - 12:00 pm**

#### **Set up Posters**

Presiding: Jay Spiers

Room: AmBank Level 1 Foyer

**8:00 am - 12:00 noon**

#### **J. Benton Storey Horticulture Judging Contest Setup**

Presiding: Leo Lombardini, ACB Advisor

Aaron Griffith, ACB Vice President

Room: AmBank room 225A/B

**8:00 am - 10:00 am**

#### **Extension Section**

Presiding: Tim Coolong

Room: AmBank room 105

**8:00 am - 12:00 pm**

#### **Watermelon Research Group**

Presiding: Richard Hassel

Room: AmBank room 107

**8:00 am - 9:15 am**

#### **J. B. Edmond Undergraduate**

##### **Student Paper Competition**

Presiding: Chris von Kohn, ACB President

Mike Arnold, SR-ASHS President

David Lockwood, Section Chair &

Judging Coordinator

Room: AmBank room 104

**9:00 am - 12:00 noon**

#### **Vigna Crops Germplasm Committee**

Presiding: Richard Fery

Room: AmBank room 106

**9:15 am - 1:30 pm**

#### **Norman F. Childers M.S. Student Paper Competition**

Presiding: Brian Kahn, President-Elect

Room: AmBank room 104

**12:00 noon - 5:00 pm**

#### **Poster Session Viewing**

Room: AmBank Level 1 Foyer

**1:00 pm - 5:00 pm**

#### **National Cowpea Improvement Association**

Presiding: John Trachta

Room: AmBank room 106

## HORTICULTURAL SCIENCE

**1:00 pm - 5:00 pm**

#### **J. Benton Storey Horticulture**

##### **Judging Contest**

Presiding: Leo Lombardini, ACB Advisor

Aaron Griffith, ACB Vice President

Room: AmBank room 225A/B

**1:30 pm - 3:00 pm**

#### **Warren S. Barham Ph.D.**

##### **Student Paper Competition**

Presiding: Brian Kahn, President-Elect

Room: AmBank room 104

**1:00 pm - 3:00 pm**

#### **Poster Session - Authors and**

##### **Students in Competition at Posters**

1:00 pm - 2:30 pm even numbered posters

2:30 pm - 4:00 pm odd numbered posters

Room: AmBank Level 1 Foyer

**1:00 pm - 3:00 pm**

#### **Vegetable Crops Section**

Presiding: Richard Hassell

Room: AmBank room 107

**3:00 pm - 5:00 am**

#### **Education Section**

Presiding: David Berle

Room: AmBank room 105

#### **SAAS Program**

**4:00 pm - 6:00 pm**

##### **SAAS Opening Session**

Presiding: Mark Hussey, President SAAS

Room: Bayfront Nueces Ballroom A

**6:00 pm**

#### **SAAS Super Bowl Party and Reception**

Location: (offsite) Brewster Street Icehouse

### MONDAY, FEBRUARY 7, 2011

**7:00 am - 10:00 am**

#### **Registration**

Presiding: Dave Reed

Room: AmBank Level 1 Foyer

**8:00 pm - 11:00 pm**

#### **Poster Session Viewing**

Room: AmBank Level 1 Foyer

**8:00 am - 10:30 pm**

#### **Vegetable Crops Section**

Presiding: Richard Hassell

Room: AmBank room 106

## HORTICULTURAL SCIENCE

8:00 am - 10:30 pm

### Fruit Crops Section

Presiding: Niels Maness

Room: AmBank room 107

8:00 am - 10:30 am

### Floriculture, Ornamentals and Turf Section

Presiding: Raul Cabrera

Room: AmBank room 105

8:00 am - 10:30 am

### Postharvest/Biotechnology/Plant Biology Section

Presiding: Amnon Levi

Room: AmBank room 104

9:00 am - 10:30am

### ACB Business Meeting

Presiding: Chris von Kohn, ACB President

Room: AmBank Bayview C

11:00 am - 12:30 pm

### Annual Business Meeting and Award Program

Presiding: Mike Arnold, President

Room: AmBank Bayview C

1:00 pm - 3:00 pm

### Vegetable Crops Section

Presiding: Richard Hassell

Room: AmBank room 106

1:00 pm - 2:00 pm

### Fruit Crops Section

Presiding: Niels Maness

Room: AmBank room 107

1:00 pm - 4:00 pm

### Poster Session Take Down

## SECTION TITLES SUNDAY, FEBRUARY 6, 2011

### J. B. EDMOND UNDERGRADUATE STUDENT PAPER COMPETITION

Room: AmBank Room 104

Presiding: Chris von Kohn, President, ACB  
Mike Arnold, President, SRASHS  
David Lockwood, Section Chair and  
Judging Coordinator

Abstracts: To publish abstract in *HortScience*,  
submit on disk at meeting or email to  
Chair: (dlockwood@utk.edu)

## HORTICULTURAL SCIENCE

8:00 am –9:30 am Order of presentations  
determined by drawing at beginning of contest.

### Increasing Sweet Potato Transplanting Efficiency by Creating a Way to Mechanize the Process,

Brian Ward\*, D. Labonte, E. Bush. School of Plant,  
Environmental and Soil Sciences, Louisiana State  
University, Louisiana State University AgCenter,  
Baton Rouge, Louisiana.  
(dlabonte@agcenter.lsu.edu)

### Alternative Propagation Media for Ornamental Crops.

Mark Wilson and Edward Bush, LSU  
AgCenter-SPESS, 137 J.C. Miller Hall Baton Rouge,  
LA 70803. (ebush@agctr.lsu.edu)

### NORMAN F. CHILDERS M.S. GRADUATE STUDENT PAPER COMPETITION

Room: AmBank Room 104

Presiding: Brian Kahn, President-Elect, Southern  
Region ASHS

Abstracts: To publish abstract in *HortScience*,  
submit on disk at meeting or email to  
Chair: (brian.kahn@okstate.edu)

10:00 am – 12:00 pm Order of presentations  
determined by drawing at beginning of contest.

### Differential Protein Expression of Drought Stressed Tall Fescue (*Festuca arundinacea*

Schreb.). Xiaowei Pan\*, Justin Quetone Moss,  
Kemin Su, and Yichen Liu, Department of Horticulture  
and Landscape Architecture, Oklahoma State  
University, Stillwater, OK 74078.  
(natalie.pan@okstate.edu)

### Effect of Paclobutrazol, Uniconazole, or Flurprimidol Applied as a Substrate Drench or by

Subirrigation on Growth of Monarda. Rachael  
Pepin\* and Janet C. Cole, Department of Horticulture  
and Landscape Architecture, Oklahoma State  
University, Stillwater, OK 74078-6027.  
(rramon@okstate.edu)

### Effects of Organic Fertilizers on *Chrysanthemum* *nakingense*.

Yan Zhao\* and Mengmeng Gu, 32  
Creelman Street, Department of Plant and Soil  
Science, Mississippi State University, Starkville, MS  
39762. (yz218@msstate.edu)

### Orchard Design Influences Satsuma Mandarin Production.

Michael R. Harrison<sup>1</sup>, Jay D. Spiers<sup>1</sup>,  
Elina Coneva<sup>1</sup>, William Dozier<sup>1</sup>, Floyd M. Woods<sup>1</sup>,  
and David A. Burnie<sup>2</sup>,<sup>1</sup>Department of Horticulture,  
Auburn University, 101 Funchess Hall, Auburn, AL  
36849, <sup>2</sup>Gulf Coast Research and Extension Center,  
Fairhope, AL 36532. (harrimr@auburn.edu)

## HORTICULTURAL SCIENCE

### **The Effect of Aluminum Stress on Root Exudation of Bermudagrass [*Cynodon dactylon* (L.) Pers.].**

Yang Tian<sup>1\*</sup>, Justin Q. Moss<sup>1</sup>, Bruce L. Dunn<sup>1</sup>, Shiping Deng<sup>2</sup>, and Greg E. Bell<sup>1</sup>, <sup>1</sup>Department of Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK 74078, <sup>2</sup>Department of Plant and Soil Sciences, Oklahoma State University, Stillwater, OK 74078. (yang.tian@okstate.edu)

### **WARREN S. BARHAM Ph.D. GRADUATE STUDENT PAPER COMPETITION**

**Room:** AmBank Room 104

**Presiding:** Brian Kahn, President-Elect, Southern Region ASHS

**Abstracts:** To publish abstract in *HortScience*, submit on disk at meeting or email to Chair: (brian.kahn@okstate.edu)

**12:30 pm – 2:30 pm** Order of presentations determined by drawing at beginning of contest.

### **An Assessment of Texas AgriLife Extension's Need for Information on Organic Agriculture.**

Patrick T. Lillard<sup>1\*</sup>, James R. Lindner<sup>2</sup>, and Joseph G. Masabni<sup>1</sup>, <sup>1</sup>225 Horticulture/Forest Science Building, Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843-2134, <sup>2</sup>226 Scoates Hall, Department of Agricultural Leadership, Education, and Communications, Texas A&M University, College Station, TX 77843-2116. (ptlillard@ag.tamu.edu)

**Anthocyanins, Phenolics, and Antioxidant Capacity of *Vaccinium* L. in Texas, USA.** Lijing Zhou<sup>1\*</sup>, David Creech<sup>1</sup>, Wei Yuan<sup>2</sup>, Guangrui Deng<sup>2</sup>, Ping Wang<sup>2</sup>, and Shiyong Li<sup>2\*</sup>, <sup>1</sup>SFA Gardens, Arthur Temple College of Forestry and Agriculture, Stephen F. Austin State University, Nacogdoches, TX 75962, <sup>2</sup>National Center for Pharmaceutical Crops, Arthur Temple College of Forestry and Agriculture, Stephen F. Austin State University, Nacogdoches, TX 75962. (zhoul@titan.sfasu.edu)

### **Enhancing Plant Tolerance to Drought through the Use of Selected Fungicides.**

Diana R. Cochran\* and Richard L. Harkess, 117 Dorman Hall, Mississippi State University, Mississippi State, Mississippi 39762. (dc849@pss.msstate.edu)

## HORTICULTURAL SCIENCE

### **Evaluation of Salinity on Citrus and Watermelon Rootstock Seed Germination.**

C.R. Simpson<sup>1\*</sup>, S.D. Nelson<sup>1</sup>, S. Cornell<sup>1</sup>, G. Schuster<sup>1</sup> and M. Setamou<sup>2</sup>. <sup>1</sup>Texas A&M University-Kingsville, MSC 228, Kingsville, TX 78363, <sup>2</sup>Texas A&M University-Kingsville Citrus Center, 315 N. International Blvd., Weslaco, TX 78596. (kucrs002@tamuk.edu)

### **EXTENSION SECTION**

**Room:** AmBank Room 105

**Presiding:** Timothy Coolong

**Abstracts:** To publish abstract in *HortScience*, see instructions at end of program. Submit on disk at meeting or email to Chair: (timcoolong@uky.edu)

**8:00 Large-scale Nethouse for Vegetable Production, Year 1: Pest Management Successes and Challenges.** Ayanava Majumdar<sup>1\*</sup> and M. Powell<sup>2</sup>, <sup>1</sup>Gulf Coast Research and Extension Center, 8300 State Hwy 104, Fairhope, AL 36532, <sup>2</sup>American Farm Systems, 13840 County Road 51, Jemison, AL 35085. (bugdoctor@auburn.edu)

**8:15 A low cost high tunnel demonstration program in Kentucky** Timothy Coolong\* and Darrell Slone, N-318 Ag. Sciences North, Department of Horticulture, University of Kentucky, Lexington, KY 40546-0091 (timcoolong@uky.edu)

**8:30 Small Acreage Horticultural Crops: A Webinar-Based Model Plan.** Joseph G. Masabni\*, 225 Horticulture/Forest Science Building, Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843-2134. (jmasabni@ag.tamu.edu)

**8:45 Helping Growers Understand the New Fumigant Management Plans** Mary Lamberts\*, UF Miami-Dade County Extension, 18710 SW 288th Street, Homestead, FL 33030-2309 (lamberts@ufl.edu)

**9:00 Break**

**9:15 Rolling the dice: Risk management education for specialty cut flower growers.** James Robbins<sup>1\*</sup>, Ron Rainey<sup>1</sup>, Mengmeng Gu<sup>2</sup>, and Allen Owings<sup>3</sup>, <sup>1</sup>Univ. of Ark. CES, 2301 S. University Ave., Little Rock, AR 72204; <sup>2</sup>PSS, Miss. State Univ., Box 9555 Mississippi State, MS 39762; <sup>3</sup>Louisiana State Univ., Hammond Research Station, 21549 Old Covington Highway, Hammond, LA 70403 (jrobbins@uaex.edu)

## HORTICULTURAL SCIENCE

- 9:30 eViticulture.org: A National Grape Community of Practice** Eric T. Stafne<sup>1\*</sup>, Lane Greer<sup>1</sup>, Ed Hellman<sup>2</sup>, R. Keith Striegler<sup>3</sup>, and Kathleen Kelsey<sup>4</sup>, <sup>1</sup>358 Agricultural Hall, Department of Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK 74078, <sup>2</sup>Texas AgriLife Extension Service Agricultural Research and Extension Center, 1102 E. FM 1294 Lubbock, TX 79403-6603, <sup>3</sup>Institute for Continental Climate Viticulture and Enology, Division of Food Systems and Bioengineering, College of Agriculture, Food, and Natural Resources, 108 Eckles Hall, University of Missouri – Columbia, Columbia, MO 65211-5140, <sup>4</sup>Agricultural Education, Communications, & Leadership, Oklahoma State University, 466 Agricultural Hall, Stillwater, OK 74078. (eric.t.stafne@okstate.edu)
- 9:45 Using Facebook to Provide Clientele Horticultural Information.** Allen Owings\*, LSU AgCenter, Hammond Research Station, 21549 Old Covington Hwy, Hammond, LA 70403. (aowings@agcenter.lsu.edu)
- 10:00 First Year Experience as a Horticulture Agent: Working with McCracken Co. KY Master Gardeners,** Kathryn Wimberly\* McCracken County Cooperative Extension, 2705 Olivet Church Road, Paducah, KY 42001-9755 (kathryn.wimberley@uky.edu)

## EDUCATION SECTION

- Room:** AmBank Room 105  
**Presiding:** David Berle  
**Abstracts:** To publish abstract in *HortScience*, submit on disk at meeting or email to Chair: (dberle@uga.edu)
- 3:00 What makes Retention Possible?** Marihelen Glass, Department of Natural Resources and Environmental Design, North Carolina A&T State University, Greensboro, NC 27411 (glassm@ncat.edu)
- 3:15 Engaging Underserved Undergraduate Student Populations through Experiential Learning for Careers in the Horticultural Sciences.** S.D. Nelson<sup>1</sup> and M. Setamou<sup>2</sup>. <sup>1</sup>Texas A&M University-Kingsville, MSC 228, Kingsville, TX 78363; <sup>2</sup>Texas A&M University-Kingsville Citrus Center, 315 N. International Blvd., Weslaco, TX 78596 (kfsdn00@tamuk.edu)

## HORTICULTURAL SCIENCE

- 3:30 Cultivating global leaders in agriculture: A successful attempt to create international learning experiences for students in agriculture.** Leonardo Lombardini<sup>1\*</sup> and Gary J. Wingenbach<sup>2</sup>. <sup>1</sup>Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843, <sup>2</sup>Department of Agricultural Leadership, Education, and Communications, Texas A&M University, College Station, TX 77843. (l-lombardini@tamu.edu)
- 3:45 Horticulture education abroad: a study in contrasts.** Mengmeng Gu<sup>1\*</sup>, James R. Robbins<sup>2</sup>, and Curt Rom<sup>3</sup>, <sup>1</sup>BOX 9555, Department of Plant and Sciences, Mississippi State University, MS State, MS 39762, <sup>3</sup>PO BOX 391, University of Arkansas-CES, Little Rock, AR 72703, <sup>3</sup>316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701. (mgu@pss.msstate.edu)
- 4:00 International field experience: an effective approach to enhancing organic agriculture curriculum.** Xin Zhao<sup>1\*</sup>, Carlene A. Chase<sup>1</sup>, Marilyn E. Swisher<sup>2</sup>, Teresa Briz<sup>3</sup>, and Maria Asunción Molina<sup>4</sup>, <sup>1</sup>Horticultural Sciences Department, <sup>2</sup>Department of Family, Youth and Community Sciences, University of Florida, Gainesville, FL 32611, <sup>3</sup>Agricultural Economics Department, <sup>4</sup>Department of Chemistry and Agricultural Analysis, Polytechnic University of Madrid, Madrid 28040, Spain. (zxin@ufl.edu)

## VEGETABLE CROPS SECTION

- Room:** AmBank Room 107  
**Presiding:** Richard Hassell  
**Abstracts:** To publish abstract in *HortScience*, see instructions at end of program. Submit on disk at meeting or email to Chair: (rhassell@clemson.edu)

### Solanaceous Crops

- 1:00 Spray Application of Abscisic Acid Phytohormone Can Improve Drought Tolerance and Potentially Provide Short-Term Growth Inhibition in Tomato (*Solanum lycopersicum* L.) Transplants.** Craig A. Campbell and J. A. Bergh. Valent BioSciences Corp., Ocoee, FL, 34761-3720. (craig.campbell@valentbiosciences.com)

## HORTICULTURAL SCIENCE

- 1:15 Evaluation of New Experimental Tomato Hybrids from the Texas A&M Vegetable Improvement Center**, Kevin Crosby, Associate Professor, Texas A&M University Vegetable and Fruit Improvement Center, 1500 Research Parkway Ste 120, College Station, TX 77845. (kcrosby@ag.tamu.edu)
- 1:30 Effects of the Soil Surfactant IrrigAid Gold<sup>®</sup> on Nutrition and Water Management for Tomato Production in Florida Spodosols** Bielinski M. Santos\*, Gulf Coast Research and Education Center, IFAS, University of Florida, 14625 CR 672, Wimauma, FL 33598. (bmsantos@ufl.edu).
- 1:45 Rootstock Effect on Root-knot Nematode Resistance in Tomato** Xin Zhao<sup>\*1</sup>, Christine E. Johns<sup>1</sup>, and Robert McSorley<sup>2</sup>, <sup>1</sup>Horticultural Sciences Department, <sup>2</sup>Entomology and Nematology Department, University of Florida, Gainesville, FL 32611. (zxin@ufl.edu)
- 2:00 Effect of Deficit Irrigation and Pruning on Grafted Tomato Plants**, Theodore McAvoy<sup>1</sup> and Joshua H. Freeman<sup>1\*</sup>. <sup>1</sup>Department of Horticulture, Virginia Tech – Eastern Shore AREC, 33446 Research Drive, Painter, VA 23420 (joshfree@vt.edu)
- 2:15 Performance of Grafted Heirloom Tomatoes on Beaufort, Celebrity, and Maxifort Rootstocks** Joseph G. Masabni, Astrid Volder, Patrick T. Lillard, and Stephen R. King, 225 Horticulture/Forest Science Building, Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843-2134. (jmasabni@ag.tamu.edu)

### POSTERS

**Room:** AmBank Level 1 Foyer

**Presiding:** Jay Spiers

**Abstracts:** To publish abstract in *HortScience*, see instructions at end of program. Submit on disk at meeting or email to Chair: (jds0017@auburn.edu)

**Set-Up:** Sunday, 8:00 am –12:00 pm

**Poster Viewing** Sunday noon to Monday 11:00 am

**Authors at Poster:**

Sunday, 1:00 - 2:30 pm even numbered posters

Sunday, 2:30 - 4:00 pm odd numbered posters

**Students in Competition at Poster:**

Sunday, 1:00 - 2:30 pm even numbered posters

Sunday, 2:30 - 4:00 pm odd numbered posters

**Take-down:** Monday, after Business Meeting

## HORTICULTURAL SCIENCE

### Student Poster Competition

“G” or “U” following the poster number indicates graduate and undergraduate poster, respectively, for the National Cowpea Poster Competition.

Undergraduate and Graduate students in the poster competition must be by their poster at the appointed time listed above.

### Education

- 1U) Science-Based Experiential Learning in the Greenhouse for Special Needs Students: Linking Secondary and Higher Education Institutions.** D.C. Messick<sup>1\*</sup>, T. Coffey<sup>2</sup>, and N.C. Phillips<sup>1</sup>, <sup>1</sup>School of Agribusiness and Agriscience, Middle Tennessee State University, Murfreesboro, TN 37132; <sup>2</sup>Oakland High School, Murfreesboro, TN 37130. (dcm3r@mtmail.mtsu.edu)

### Floriculture, Ornamentals and Turf

- 2U) Influence of Spacing on Production for Two Sorrel (*Hibiscus sabdariffa*) Varieties**, Khalid Matthew\*, Charkym Philemon and Thomas W. Zimmerman, University of the Virgin Islands Agricultural Experiment Station, RR#1 Box 10,000, Kingshill, VI 00850. (tzimmer@uvi.edu)
- 3U) Seed Source Location and Captan Influence Germination Behavior in *Rhododendron calendulaceum***, E.J. Limbird\*, N.C. Phillips, and J.R. Jones, Middle Tennessee State University, Murfreesboro, TN 37132. (ejl2t@mtmail.mtsu.edu)
- 4G) Efficacy of Biofungicides for Control of Pythium Root Rot in Poinsettia (*Euphorbia pulcherrima* Wild. ex Klotzsch).** Yan Zhao<sup>1\*</sup>, Maria Tomaso-Peterson<sup>2</sup> and Mengmeng Gu<sup>1</sup>, <sup>1</sup>32 Creelman Street, Department of Plant and soil science, Mississippi State University, Starkville, MS 39762, <sup>2</sup>32 Creelman Street, Department of Entomology and Plant Pathology, Mississippi State University, Starkville, Ms 39762. (yz218@msstate.edu)
- 5G) Assessing Variation in Vegetative and Floral Morphology of Four Native Gulf Coast Species for Use as Ornamental Groundcovers**, Sean T. Carver<sup>1\*</sup>, Michael A. Arnold<sup>1</sup>, David H. Byrne<sup>1</sup>, Anna R. Armitage<sup>2</sup>, and Andrew R. King<sup>1</sup>, <sup>1</sup>Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843-2133, <sup>2</sup>Department of Marine Biology, Texas A&M University, Galveston, TX 77551. (scarver@neo.tamu.edu)

## HORTICULTURAL SCIENCE

- 6G) Evening Primrose Yield Response to Harvest Aids**, Amber Bates\*, Cynthia McKenney, and Steve Oswalt, Department of Plant and Soil Science, Texas Tech University, Lubbock, Texas, U.S.A. 79409-2122. (amber.n.bonds@ttu.edu)
- 7G) The Effects of Irrigation Treatments on Stomatal Conductance in *Olea europaea L.***, Kaylee Decker\*, Cynthia McKenney, and Thayne Montague, Department of Plant and Soil Science, Texas Tech University, Lubbock, Texas, U.S.A. 79409-2122. (kaylee.whitehurst@ttu.edu)
- 8G) Water Use of Three *Viburnum* Species Grown Under Three Shade Intensities**, Arjina Shrestha\* and Janet C. Cole, Department of Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK 74078-6027 (arjina.shrestha@okstate.edu)
- 9) Effects of Organic Rooting Treatments on Spring and late Summer Cuttings of *Vaccinium darrowii* 'Native Blue' Blueberry.** C. Melea Martin, Michael A. Maurer\*, and David Creech, Department of Agriculture, Stephen F. Austin State University, P.O. Box 13000, SFA Station, Nacogdoches, TX 75962. (melea\_martin@hotmail.com)
- 10) Comparison of Organic and Inorganic Fertilizers on the Growth and Development of Containerized *Rosa hybrida* 'Radtko' and *Hibiscus rosa-sinensis* 'Evangeline'**, C. Melea Martin and Michael A. Maurer\*. Department of Agriculture, Stephen F. Austin State University, P.O. Box 13000, SFA Station, Nacogdoches, TX 75962. (melea\_martin@hotmail.com)
- 11) Slippery When Wet: Monitoring Insect Populations in the Nursery**, Christopher Werle and Blair Sampson, United States Department of Agriculture-Agricultural Research Service, Thad Cochran Southern Horticultural Laboratory, 810 Hwy 26 West, Poplarville, MS 39470. (chris.werle@ars.usda.gov)
- 12) Poinsettia Crop Production as a Multi-Course Teaching Tool**, W.A. Anderson and N.C. Phillips\*, School of Agribusiness and Agriscience, Middle Tennessee State University, Murfreesboro, TN 37132. wanderso@mtsu.edu)

## HORTICULTURAL SCIENCE

### Fruit Crops

- 13G) Evaluating the Effects of Nitrogen Fertilization Rates on Growth and Gas Exchange in Young Pecan Seedlings**, Hayley Hannah\*, Astrid Volder, and Leonardo Lombardini. Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843-2133. (hhannah@tamu.edu)
- 14G) Effects of Variable Irrigation Regimes on Containerized Olives**, Vikram Baliga\*, Thayne Montague, and Cynthia Mckenney, Department of Plant and Soil Science, Texas Tech University, Lubbock, TX 79409-2122. (vikram.baliga@ttu.edu)
- 15U) Impact of Plant Available Calcium to Reduce Asian Citrus Psyllid Survival in 'Rio Red' Grapefruit.** M. Esparza<sup>1\*</sup>, J. Raygoza<sup>2</sup>, M. Setamou<sup>2</sup>, and S.D. Nelson<sup>1</sup>, <sup>1</sup>Texas A&M University-Kingsville, MSC 228, Kingsville, TX 78363; <sup>2</sup>Texas A&M University-Kingsville Citrus Center, 315 N. International Blvd., Weslaco, TX 78596. (oceanandsun33@aol.com)
- 16) Fruit Quality Characteristics of Selected Hybrid Bunch Grape Cultivars**, Elina D. Coneva<sup>1\*</sup>, Edgar Vinson<sup>1</sup>, and Jim Pitts<sup>2</sup>, <sup>1</sup>101 Funchess Hall, Department of Horticulture, Auburn University, AL, 36849, <sup>2</sup>Chilton Research and Extension Center, 120 County Road 756, Clanton, AL, 35045. (edc0001@auburn.edu)
- 17) Antioxidant Properties of Selected Rabbiteye Blueberry as Affected by Cultivar and Environment**, F. M. Woods\*<sup>1</sup>, E. Coneva<sup>1</sup>, K. Shetty<sup>2</sup>, D. Sarkar<sup>2</sup>, A. Gebrekidan<sup>3</sup>, A. Caylor<sup>4</sup>, D.M. Sullen<sup>1</sup>, and B.D. Blasius<sup>1</sup>. <sup>1</sup>101 Funchess Hall, Department of Horticulture, Auburn University, AL 36849, <sup>2</sup>100 Holdsworth Way, Department of Food Science, University of Massachusetts, Amherst, Massachusetts, <sup>3</sup>221 Parker Hall, Mathematics and Statistics, Auburn University, 36849, <sup>4</sup>Alabama Agriculture Experiment Station, 765 County Rd. 1466, Cullman, AL 35055. (woodsfm@auburn.edu).
- 18) Yield and Fruit Quality Characteristics of Selected Muscadine Grape Cultivars**, Elina D. Coneva<sup>1\*</sup>, Edgar Vinson<sup>1</sup>, and Jason Burkett<sup>2</sup>, <sup>1</sup>101 Funchess Hall, Department of Horticulture, Auburn University, AL, 36849, <sup>2</sup>E. V. Smith Research Center, 4725 County Road 40, Shorter, AL, 36075. (edc0001@auburn.edu)

## HORTICULTURAL SCIENCE

- 19) **The Efficacy of Flower Bud Removal Techniques for Enhanced Growth of Young Blueberry Cultivars**, Jay D. Spiers<sup>1\*</sup>, Elina Coneva<sup>1</sup>, Robert Boozer<sup>2</sup>, Bryan Wilkins<sup>1</sup>, and Jessica Bowerman<sup>1</sup>, <sup>1</sup>Department of Horticulture, Auburn University, AL 36849, <sup>2</sup>Chilton Research and Extension Center, Clanton, AL, 35045. (jds0017@auburn.edu)
- 20) **Evaluation of Rootstocks for 'Owari' Satsuma Production in South Alabama**, D. Alan Burnie<sup>1\*</sup>, Jay D. Spiers<sup>2</sup>, Monte Nesbitt<sup>3</sup>, Floyd Woods<sup>2</sup>, and Bryan Wilkins<sup>2</sup>, <sup>1</sup>Gulf Coast Research and Extension Center, Fairhope, AL 36532, <sup>2</sup>Department of Horticulture, Auburn University, AL 36849, <sup>3</sup>Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843. (burnida@auburn.edu)
- 21) **Postharvest Storage Life of 'Golden Dragon' Kiwifruit (*Actinidia chinensis*)**, Jason Stroman, Jay D. Spiers\*, William Dozier, Floyd Woods, Elina Coneva, and Bryan Wilkins, Department of Horticulture, Auburn University, AL 36849 (jds0017@auburn.edu)
- 22) **Vegetation-free Area Surrounding Pecan Trees Affects Production**, Michael W. Smith\*, Department of Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK 74078. (mike.smith@okstate.edu)
- 23) **Phosphorus and Potassium Shortage Affects Pecan Production and Fruit Quality**, Michael W. Smith, Department of Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK 74078. (mike.smith@okstate.edu)
- 24) **Growing Blueberry Knowledge via Social Networks**, A. Denise Attaway\*<sup>1</sup>, Natalie A. Hummel<sup>1</sup> and Krisanna Machtmes<sup>2</sup>, <sup>1</sup>404 Life Sciences Bldg., Department of Entomology, LSU AgCenter, Baton Rouge, LA 70803, <sup>2</sup>223 Knapp Hall, Organization Development and Evaluation, LSU AgCenter, Baton Rouge, LA 70803. (dattaway@agcenter.lsu.edu)
- 25) **Performance of Persimmon (*Diospyros kaki*) Cultivars in Southern Mississippi**, Donna A. Marshall\*, James. M. Spiers and Ned Edwards, USDA/ARS Thad Cochran Southern Horticultural Laboratory, Poplarville, MS 39470 (donna.marshall@ars.usda.gov)

## HORTICULTURAL SCIENCE

- 26) **'Victoria Red' Table Grape, A New Option for Southern Grape Producers**. James N. Moore<sup>1</sup>, John R. Clark<sup>1\*</sup>, James Kamas<sup>2</sup>, Larry Stein<sup>3</sup>, Fiench Tarkington<sup>4</sup>, and Martha Tarkington<sup>4</sup>, <sup>1</sup>316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701, <sup>2</sup>Texas AgriLife Extension, Fredericksburg, TX 78624, <sup>3</sup>Texas A&M Research and Extension Center, Uvalde, TX 78802, <sup>4</sup>Tarkington Vineyard, 1715 Refugio Highway, Victoria, TX 77905. (JRClark@uark.edu)
- 27) **Broad Mites, a Potential Pest in Blackberry Crops of the Southern United States**. Sandra Sleezer<sup>1\*</sup>, Chris Vincent<sup>1</sup>, John. R. Clark<sup>1</sup> and Donn T. Johnson<sup>2</sup>, <sup>1</sup>316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701, <sup>2</sup>319 Agriculture Building. (ssleezer@uark.edu)
- 28) **Addressing Plant and Yield Decline of Northern Highbush Blueberry Plantings in Arkansas**, M. Elena Garcia\* and Chris I. Vincent, Dept. of Horticulture, University of Arkansas, Fayetteville, AR 72701. (megarcia@uark.edu)
- 29) **Using the Plant Growth Regulator, Gibberellic Acid and also Coconut Oil to Improve Yield and Berry Quality for Zygomorphic Blueberries**, Blair Sampson, Donna Marshall, Steve Stringer, Hamidou Sakhanohko, Christopher Werle and James Spiers, USDA-ARS, Thad Cochran Southern Horticultural Laboratory, 810 Hwy 26 West, Poplarville, MS 39470. (blair.sampson@ars.usda.gov)
- 30) **Evaluation of Compost Management in Citrus for Improved Crop Sustainability**. S.D. Nelson<sup>1\*</sup>, M. Young<sup>2</sup>, M. Setamou<sup>3</sup>, X. Peries<sup>4</sup>, and J. Enciso. <sup>1</sup>Texas A&M University-Kingsville, MSC 228, Kingsville, TX 78363; <sup>2</sup>Texas Agrilife Extension Center, 10345 State Hwy 44, Corpus Christi, TX 78406-1412; <sup>3</sup>Texas A&M University-Kingsville Citrus Center, 312 N. International Blvd., Weslaco, TX 78596; <sup>4</sup>Texas Agrilife Research and Extension Center, 2401 E. Hwy 83, Weslaco, TX 78956-8398. (Shad.Nelson@tamuk.edu)

## HORTICULTURAL SCIENCE

### Vegetable Crops

- 31G) Grafting Heirloom Tomatoes for Improved Crop Vigor, Yield, and Fruit Quality**, Charles Barrett<sup>1</sup>, Xin Zhao<sup>1</sup>, Robert McSorley<sup>2</sup>, and Charles A. Sims<sup>3</sup>. <sup>1</sup>Horticultural Sciences Department, 1301 Fifield Hall, <sup>2</sup>Entomology and Nematology Department, Bldg. 970 Natural Area Drive, <sup>3</sup>Food Science and Human Nutrition, 359 FSHN Building, University of Florida, Gainesville, FL 32611. (soulpole@ufl.edu)
- 32) Field-Level Water Productivity of Deficit-Irrigated Watermelons**, John L. Jifon<sup>1\*</sup>, Daniel Leskovar, Juan Enciso; <sup>1</sup>Texas AgriLife Research and Extension Center, Weslaco, TX 78596. (jljifon@ag.tamu.edu).
- 33) Variation in L-Citrulline, Lycopene and Soluble Sugars in Fruits of Watermelon (*Citrullus lanatus*) Genotypes**, John L. Jifon<sup>1\*</sup>, Gene Lester, Wayne Fish, Juan Anciso; <sup>1</sup>Texas AgriLife Research and Extension Center, Weslaco, TX 78596. (jljifon@ag.tamu.edu).
- 34) Impact of Transplant Method on Watermelon Yield and Quality**, Donald J. Makus, USDA-ARS, Subtropical Agricultural Research Center, Weslaco, TX 78596. (donald.makus@ars.usda.gov)
- 35) Onion Transplant Production System for Oklahoma**. James Shrefler<sup>1</sup>, Merritt Taylor<sup>1</sup>, Warren Roberts<sup>1</sup> and Charles Webber III<sup>2</sup>, <sup>1</sup>Wes Watkins Agricultural Research and Extension Center, Oklahoma State University, P O Box 128, Lane, OK 74555, <sup>2</sup>Wes Watkins Agricultural Research Laboratory, United States Department of Agriculture, Agricultural Research Service, P O Box 159, Lane, OK 74555. (jim.shrefler@okstate.edu)
- 36) High Tunnel Design: Moving a Semi-Permanent Structure**, Christine E.H. Coker\*, S.A. Langlois, R.M. Ely, and T.E. Freeman, Coastal Research and Extension Center, Mississippi State University, Biloxi, MS 39532. (ccoker@ra.msstate.edu)
- 37) Establishing a Maturity Index for Lotus (*Nelumbo spp.*)**, R. Shevade<sup>1\*</sup>, F.M.Woods<sup>1</sup>, K.M. Tilt<sup>1</sup>, and X. Wang<sup>1</sup>. <sup>1</sup>101 Funchess Hall, Department of Horticulture, Auburn University, AL 36849. (woodsfm@auburn.edu)

## HORTICULTURAL SCIENCE

- 38) Pre-harvest Antioxidant Content as a Determinant for Lotus (*Nelumbo spp.*) Maturity**, X. Wang<sup>1</sup>, F.M.Woods<sup>1</sup>, K.M. Tilt<sup>1</sup>, and R. Shevade<sup>1</sup>. <sup>1</sup>101 Funchess Hall, Department of Horticulture, Auburn University, AL 36849. (woodsfm@auburn.edu)

### MONDAY, FEBRUARY 7, 2011

#### POSTERS

- Room:** AmBank Level 1 Foyer  
**Presiding:** Jay Spiers  
**Abstracts:** To publish abstract in *HortScience*, submit on disk at meeting or email to Chair: (jds0017@auburn.edu)  
**Poster Viewing** Monday 8:00-11:00 am  
**Take-down:** Monday, after Business Meeting

#### ANNUAL BUSINESS MEETING AND AWARDS PROGRAM

- Room:** AmBank Bayview C  
**Time:** 11:00 – 12:30  
**Presiding:** Mike Arnold, President

#### VEGETABLE CROPS SECTION

- Room:** AmBank 106  
**Presiding:** Richard Hassell  
**Abstracts:** To publish abstract in *HortScience*, submit on disk at meeting or email to Chair: (rhassel@clemsun.edu)

#### Morning Session

- 8:00 Quantifying Ascorbic Acid, Capsaicin, and Flavonoid Levels in Various Peppers (*Capsicum spp.*) Grown in Different Texas Locations.** Justin Butcher<sup>1</sup>, Kevin Crosby<sup>1</sup>, Daniel Leskovar<sup>2</sup>, John Jifon<sup>3</sup>, Kil Sun Yoo<sup>1</sup>, and Bhimanagouda Patil<sup>1</sup>. <sup>1</sup>Vegetable and Fruit Improvement Center, Dept. of Horticultural Sciences, Texas A&M University, College Station, TX 77845, USA. <sup>1</sup>Texas Agri-Life Experiment Station, Texas A&M University, 1619 Garner Field Rd., Uvalde, TX 78801, USA. <sup>1</sup>Texas Agri-Life Experiment Station, Texas A&M University, 2415 E. Highway 83, Weslaco, TX 78596, USA. (justin13@tamu.edu)

## HORTICULTURAL SCIENCE

- 8:15 Weed Control in Watermelons using Reflex.** Juan Anciso, Ph.D., Associate Professor and Extension Vegetable Specialist, Department of Horticulture, 2401 East Highway 83, Weslaco, TX 78596, Texas AgriLife Extension Service . (j-anciso@tamu.edu)
- 8:30 Using Summer Cover Crops for Fall Vegetable Production.** Carl Motsenbocker<sup>1\*</sup>, William Evans<sup>2</sup>, Robert Williams<sup>1</sup>, and Andrea Morales<sup>1,3</sup>, <sup>1</sup>School of Plant, Environmental, and Soil Sciences, Louisiana State University AgCenter, 137 Julian Miller Hall, Baton Rouge, LA 70803, <sup>2</sup>Truck Crops Branch Experiment Station, MAFES, Mississippi State, MS 39059, <sup>1,3</sup>EARTH University, Guácimo, Limón, Costa Rica. (cmotsenbocker@agcenter.lsu.edu)
- 8:45 Vegetable Yields in Mississippi High Tunnels: First Year Results** W.B. Evans\*, V. Cerven, G. Bi, M. Gu<sup>2</sup>, K. Hood<sup>3</sup>, and R. Little<sup>3</sup>. Mississippi Agriculture and Forestry Station, Truck Crops Branch Experimental Station, 2024 Experiment Station Rd., P.O. Box 231, Crystal Springs, MS 39059-0231, <sup>2</sup>Department Plant and Soil Sciences, 117 Dorman Hall, Mississippi State, MS 39762, <sup>3</sup>Department of Agricultural Economics, 300 Lloyd Ricks, Mississippi State, MS 39762. (wbe1@ra.msstate.edu)
- 9:00 Break**
- 9:15 Early Season Production of Summer Squash (*Cucurbita pepo*) in High Tunnels** V. Cerven<sup>\*1</sup>, G. Bi<sup>1</sup>, M. Gu<sup>2</sup>, K. Hood<sup>3</sup>, R. Little<sup>3</sup>, and W.B. Evans<sup>1</sup>, <sup>1</sup>2024 Experiment Station Road, Truck Crops Branch Experiment Station, Mississippi State, MS 39059, <sup>2</sup>Department Plant and Soil Sciences, 117 Dorman Hall, Mississippi State, MS 39762, <sup>3</sup>Department of Agricultural Economics, 300 Lloyd Ricks, Mississippi State, MS 39762. (vc116@msstate.edu)
- 9:30 Weed Control Options for Organically-Grown Vine Crops** James Shrefler<sup>1</sup>, Merritt Taylor<sup>1</sup> Warren Roberts<sup>1</sup> and Charles Webber III<sup>2</sup>, <sup>1</sup>Wes Watkins Agricultural Research and Extension Center, Oklahoma State University, P O Box 128, Lane, OK 74555, <sup>2</sup>Wes Watkins Agricultural Research Laboratory, United States Department of Agriculture, Agricultural Research Service, P O Box 159, Lane, OK 74555. jim.shrefler@okstate.edu

## HORTICULTURAL SCIENCE

- 9:45 Nitrogen Management for Snap Beans on Sandy Loam Soils in the Mid-Atlantic** Mark S. Reiter<sup>1\*</sup> and Joshua H. Freeman<sup>2</sup>. <sup>1</sup>33446 Research Drive, Department of Crop and Soil Environmental Sciences, Virginia Tech, Painter, VA 23420, <sup>2</sup>33446 Research Drive, Horticulture Department, Virginia Tech, Painter, VA 23420. (mreiter@vt.edu)
- 10:00 Tunnel Vision: A View of Tunnel Production in China** Curt Rom<sup>1</sup>, Mengmeng Gu<sup>2</sup>, James Robbins<sup>3</sup>. <sup>1</sup>Dept of Horticulture, Univ. of Ark., 316 Plant Science, Fayetteville, AR 72701, <sup>2</sup>PSS Miss. State Univ., Box 9555, Mississippi State, MS 39762, <sup>3</sup>Univ. of Ark. CES, 2301 S. Univ. Ave., Little Rock AR 72204. (crom@uark.edu)
- 10:15 The Protected Agriculture Information Network for Central America and the Caribbean (PAINet): Cultural Practices for Indeterminate Bell Pepper Production in Dominican Republic, Honduras, Nicaragua, Costa Rica, and El Salvador** Emmanuel A. Torres-Quezada<sup>\*1</sup> Teresa P. Salame-Donoso<sup>1</sup>, Bielinski M. Santos<sup>1</sup>, Henner A. Obregon-Olivas<sup>2</sup>, Jessie E. Inestroza<sup>3</sup>, Maria G. Cuevas<sup>4</sup>, Marco V. Saenz<sup>5</sup>, and Mauricio Martinez<sup>6</sup>. <sup>1</sup>Gulf Coast Research and Education Center, IFAS, University of Florida, 14625 CR 672, Wimauma, FL 33598, <sup>2</sup>Agropecuaria San Antonio, Tecolostote, Nicaragua; <sup>3</sup>Corporación Dinant, Comayagua, Honduras; <sup>4</sup>Instituto Dominicano de Investigaciones Agropecuarias y Forestales, Santo Domingo, Dominican Republic; <sup>5</sup>Laboratorio de Tecnología Poscosecha, Universidad de Costa Rica, San Jose, Costa Rica; <sup>6</sup>Hidroexpo, San Salvador, El Salvador (bmsantos@ufl.edu).
- 11:00 – 12:30 Business meeting and awards program**
- Afternoon Session**
- 1:00 Validation of Multiple Soilless Culture Practices under Protective Structures for Vegetable and Small Fruit Production in Florida** Teresa P. Salame-Donoso\* and Bielinski M. Santos. Gulf Coast Research and Education Center, IFAS, University of Florida, 14625 CR 672, Wimauma, FL 33598. (bmsantos@ufl.edu).

## HORTICULTURAL SCIENCE

- 1:15 Exogenous ABA Application Impacts Seedling Height and Survival in Bell Pepper**  
Chris Gunter, Assistant Professor, Vegetable Production, 230 Kilgore Hall, Box 7609, North Carolina State University, Raleigh, NC 27695-7609 (chris\_gunter@ncsu.edu)
- 1:30 Yield Performance, Quality and Antioxidant Content of Sweet Potato in Response to Photosensitive Mulch and Row Covers** D. M. Sullen<sup>1\*</sup>, F.M. Woods<sup>1</sup>, A. Gebrekidan<sup>2</sup>, J. R. Kessler<sup>1</sup>, J. E. Brown<sup>1</sup>, B.D. Blasius<sup>1</sup>, and, J.E. Burkett<sup>3</sup>. <sup>1</sup>101 Funchess Hall, Department of Horticulture, Auburn University, AL 36849, <sup>2</sup>221 Parker Hall, Mathematics and Statistics, Auburn University, 36849, <sup>3</sup>Alabama Agriculture Experiment Station, 4725 County Rd. 40, Shorter, AL 36075. (woodsfm@acesag.auburn.edu)
- 1:45 Soil Nitrogen, Leaf Nitrogen, and Fruit Yield in Bell Pepper (*Capsicum annum* L.) as Affected by Fertilization with Slow Release Nitrogen Fertilizer** Juan Carlos Diaz-Perez and Jesús Bautista, Department of Horticulture, University of Georgia, Tifton, GA 31793-0748. (jcdiaz@uga.edu)
- 2:00 What is Earth-Kind Vegetable Production?** Joseph G. Masabni\*, and Patrick T. Lillard, 225 Horticulture/Forest Science Building, Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843-2134. (jmasabni@ag.tamu.edu)
- 2:15 Effects of Melon Grafting on Scion Compatibility, Yield, and Fruit Quality**  
Richard L. Hassell, Clemson University CREC, 2700 Savannah Highway, Charleston, SC. 29414 (rhassel@clemson.edu)
- 2:30 Evaluating the Sole Reliance on Biorational Pesticides for Pest Management on Specialty Vegetables.** Henry O-Sintim<sup>1\*</sup>, Louis E. N. Jackai<sup>1</sup> and Beatrice N. Dingha<sup>2</sup>, <sup>1</sup>Department of Natural Resource & Environmental Design North Carolina A & T State University, Greensboro, NC 27411; <sup>2</sup>Department of Family & Consumer Sciences, North Carolina A & T State University, Greensboro, NC

## HORTICULTURAL SCIENCE

### FRUIT CROPS SECTION

**Room:** AmBank 107

**Presiding:** Niels Maness

**Abstracts:** To publish abstract in *HortScience*, see instructions at end of program. Submit on disk at meeting or email to Chair: (niels.maness@okstate.edu)

### Morning Session

- 8:00 High Tunnel Production of Papaya (*Carica papaya* L.) as an Alternative Niche Crop for Southern Virginia Growers.** A. R. Rafie\* and Chris Mullins, School of Agriculture, Virginia State University, Petersburg, VA 23806. (arrafie@vsu.edu)
- 8:15 Field Evaluation of Tissue culture Banana in the Northern Mariana Islands.** Dilip Nandwani, Cooperative Research, Extension and Education Services, Northern Marianas College, Saipan, Northern Mariana Islands MP 96950 (dilipnandwani@yahoo.com)
- 8:30 Water Use Efficiency and Water Savings in South Texas Grapefruit Production.** S.D. Nelson<sup>1\*</sup>, J. Enciso<sup>2</sup>, X. Peries<sup>2</sup>, and M. Young<sup>3</sup>. <sup>1</sup>Texas A&M University-Kingsville, MSC 228, Kingsville, TX 78363; <sup>2</sup>Texas Agrilife Research and Extension Center, 2401 E. Hwy 83, Weslaco, TX 78956-8398; <sup>3</sup>Texas Agrilife Extension Center, 10345 State Hwy 44, Corpus Christi, TX 78406-1412. (kfsdn00@tamuk.edu)
- 8:45 Advances on the Performance of Containerized Strawberry Transplants under Diverse Establishment Practices in Florida.** Pei-Wen Huang\*, Bielinski M. Santos, and Vance M. Whitaker, Gulf Coast Research and Education Center, IFAS, University of Florida (bmsantos@ufl.edu)
- 9:00 Break**
- 9:15 Using Kaolin Clay to Reduce Sprinkler Irrigation for Strawberry Transplant Establishment.** Bielinski M. Santos\*, Teresa P. Salame-Donoso<sup>1</sup>, Craig D. Stanley<sup>1</sup>, Alicia J. Whidden<sup>2</sup>, Crystal A. Snodgrass<sup>2</sup>, and Mary B. Henry<sup>2</sup>. <sup>1</sup>Gulf Coast Research and Education Center, IFAS, University of Florida; <sup>2</sup>Hillsborough, Manatee, and Polk County Cooperative Extension Service, respectively, IFAS, University of Florida. (bmsantos@ufl.edu)

## HORTICULTURAL SCIENCE

- 9:30 Susceptibility of Prunus Rootstock Cultivars to Peach Tree Short Life in South Carolina.** Gregory L. Reighard\*<sup>1</sup> <sup>1</sup>Department of Environmental Horticulture, Clemson University, Clemson, SC 29634. (grghrd@clemson.edu)
- 9:45 'White Diamond' Peach.** John. R. Clark\* and James N. Moore, Department of Horticulture, University of Arkansas, Fayetteville, AR, 72701. (jrclark@uark.edu)
- 10:00 Blackberry Performance in a Sheltered Environment.** Robert T. Boozer and James A. Pitts, Auburn University, Chilton Research and Extension Center, 120 County Road 756, Clanton, AL 35045 (boozer@auburn.edu)
- 10:15 Pruning to change time of bloom and cropping of fall-fruiting primocane blackberries.** Rom, C.R., H. Friedrich, and J. McAfee. <sup>1</sup> Department of Horticulture, PTSC 316, University of Arkansas, Fayetteville, AR 72701 (crom@uark.edu)

**11:00 – 12:30 Business meeting and awards program**

### Afternoon Session

- 1:00 Anthocyanins, Phenolics, and Antioxidant Capacity of *Vaccinium L.* in Texas, USA.** Lijing Zhou<sup>1\*</sup>, David Creech<sup>1</sup>, Wei Yuan<sup>2</sup>, Guangrui Deng<sup>2</sup>, Ping Wang<sup>2</sup>, and Shiyu Li<sup>2\*</sup>, <sup>1</sup>SFA Gardens, Arthur Temple College of Forestry and Agriculture, Stephen F. Austin State University, Nacogdoches, TX 75962, <sup>2</sup>National Center for Pharmaceutical Crops, Arthur Temple College of Forestry and Agriculture, Stephen F. Austin State University, Nacogdoches, TX 75962. (zhoul@titan.sfasu.edu)
- 1:15 Vegetative Growth Differences in Pierce's Disease Tolerant Hybrid Grapes During the Years of Vineyard Establishment.** Elina D. Coneva<sup>1\*</sup>, Edgar Vinson<sup>1</sup>, and Joyce Ducar<sup>2</sup>, <sup>1</sup>101 Funchess Hall, Department of Horticulture, Auburn University, AL, 36849, <sup>2</sup>13112 Alabama 68, Sand Mountain Research and Extension Center, Crossville, AL, 35962. (edc0001@auburn.edu)

## HORTICULTURAL SCIENCE

- 1:30 Influence of rootstocks on physiology of Cabernet Sauvignon grapevines grown on the Texas High Plains.** Thayne Montague\*, Ed Hellman, and Keith Jenkins, Texas AgriLife Research and Extension Center, Lubbock, Texas, U.S.A. 79403-6603, Department of Plant and Soil Science, Texas Tech University, Lubbock, Texas, U.S.A. 79409-2122 (thayne.montague@ttu.edu)
- 1:45 An overview of the eXtension "All about Blueberries" website.** Natalie A. Hummel<sup>1\*</sup>, A. Denise Attaway<sup>1</sup>, Elina D. Coneva<sup>2</sup>, John Braswell<sup>3</sup>, William O. Cline<sup>4</sup>, Donna Marshall<sup>5</sup>, Don M. Ferrin<sup>6</sup>, Krisanna L. Machtmes<sup>7</sup>, and Heli J. Roy<sup>8</sup>. <sup>1</sup>LSU AgCenter, Dept. of Entomology, 404 Life Sciences Bldg., Baton Rouge, LA 70803; <sup>2</sup>Auburn University, Dept. of Horticulture, 101 Funchess Hall, Auburn, AL 36849; <sup>3</sup>Mississippi State University-Coastal Research and Extension Center, P.O. Box 193, Poplarville, MS 39470; <sup>4</sup>North Carolina State University, Hort Crops Res Stn, 3800 Castle Hayne Rd., Castle Hayne, NC 28429; <sup>5</sup>USDA-ARS, Southern Horticultural Laboratory, P.O. Box 287, Poplarville, MS 39470; <sup>6</sup>LSU AgCenter Dept of Plant Path. & Crop Phys., 432 Life Sciences Bldg, Baton Rouge, LA 70803; <sup>7</sup>LSU AgCenter, School of Human Resources Education and Workforce Development, 142 Old Forestry Bldg., Baton Rouge, LA 70803; <sup>8</sup>LSU AgCenter, Nutrition and Health, 275 Knapp Hall, Baton Rouge, LA 70803. (NHummel@agcenter.lsu.edu)

## FLORICULTURE, ORNAMENALS AND TURF SECTION

**Room: AmBank 105**

**Presiding: Raul Cabrera**

**Abstracts:** To publish abstract in *HortScience*, see instructions at end of program. Submit on disk at meeting or email to Chair: (r-cabrera@tamu.edu)

- 8:00 Use of IBA and IBA+NAA Solutions for Softwood Cutting Propagation of Selected Ornamentals.** Eugene K. Blythe\*, Coastal Research and Extension Center, Mississippi State University, South Mississippi Branch Experiment Station, Poplarville, MS 39470 (blythe@pss.msstate.edu)

## HORTICULTURAL SCIENCE

- 8:15 The Ability of Low Dose Mefluidide and Flurprimidol to Control Sale-Year Growth of Acer 'Autumn Blaze'.** Matthew Chappell. Department of Horticulture, University of Georgia, 211 Hoke Smith Building, Athens, GA 30602. (hortprod@uga.edu)
- 8:30 Plant Age and Cultivar Affect Western Flower Thrips Damage on Impatiens.** Yan Chen<sup>1\*</sup>, Richard N. Story<sup>2</sup>, Roger Hinson<sup>3</sup> and Allen D. Owings<sup>1</sup>, <sup>1</sup>LSU AgCenter Hammond Research Station, 21549 Old Covington Highway, Hammond, LA 70403; <sup>2</sup>LSU AgCenter Department of Entomology, 404 Life Sciences Bldg., LSU, Baton Rouge, LA 70803 and <sup>3</sup>Department of Agricultural Economics and Agribusiness, 221 Ag. Admin. Bldg., LSU, Baton Rouge, LA 70803 (yachen@agcenter.lsu.edu)
- 8:45 Partial Rootzone Stresses and Flower Yield and Quality in Roses.** Raul I. Cabrera\*. Texas A&M AgriLife Research and Extension Center, 17360 Coit Road, Dallas, TX 75252 (r-cabrera@tamu.edu)
- 9:00 Break**
- 9:15 Salt Tolerance of Selected Bedding Plants.** Genhua Niu\* and Denise Rodriguez, Texas AgriLife Research and Extension at El Paso, 1380 A&M Circle, El Paso, TX 79927 (gniu@ag.tamu.edu)
- 9:30 Salt Tolerance of Five Wildflowers.** Genhua Niu<sup>1\*</sup>, Denise Rodriguez<sup>1</sup>, and Cynthia McKenney<sup>2</sup>, <sup>1</sup>Texas AgriLife Research and Extension at El Paso, 1380 A&M Circle, El Paso, TX 79927; <sup>2</sup>Department of Plant and Soil Science, Texas Tech University, Lubbock, TX 79409 (gniu@ag.tamu.edu)
- 9:45 Influence of Induced Polyploidy on Fertility and Morphology of *Rudbeckia* Species and Hybrids.** Kelly Oates, Thomas G. Ranney, Darren H. Touchell, Department of Horticulture Science, North Carolina State University, Mills River, NC 28759 (kmoates@ncsu.edu)
- 10:00 Lotus (*Nelumbo nucifera*) Leaf Plasticity in Response to Metalachlor Concentration.** W. Orozco-Obando<sup>1\*</sup>, F.M. Woods<sup>1</sup>, K.M. Tilt<sup>1</sup>, J.R. Kessler<sup>1</sup>, F.K. Dane<sup>1</sup>, W. Foshee<sup>1</sup>, J. Sibley<sup>1</sup>, J. Chappell<sup>2</sup>, D. Cline<sup>2</sup>, and J. Pickens<sup>1</sup>. <sup>1</sup>101 Funchess Hall, Department of Horticulture, Auburn University, AL 36849, <sup>2</sup>125 Swingle Hall, Fisheries & Allied Aquaculture, Auburn University, AL 36849 (woodsfm@auburn.edu).

## HORTICULTURAL SCIENCE

- 10:15 China: A Study in Contrasts.** James Robbins<sup>1\*</sup>, Mengmeng Gu<sup>2</sup>, and Curt Rom<sup>3</sup>. <sup>1</sup>University of Arkansas CES, 2301 S. University Ave., Little Rock, AR 72204, <sup>2</sup>Plant & Soil Sciences, Mississippi State University, Box 9555, Mississippi State, MS 39762, <sup>3</sup>University of Arkansas, 316 Plant Science, Fayetteville, AR 72701 (jrobbins@uaex.edu)

**11:00 – 12:30 Business meeting and awards program**

### POST HARVEST/PLANT BIOTECHNOLOGY SECTION

**Room: AmBank 104**

**Presiding: Amnon Levi**

**Abstracts:** To publish abstract in *HortScience*, see instructions at end of program. Submit on disk at meeting or email to Chair: (amnon.levi@ars.usda.gov)

### Morning Session

**8:00**

**Results of five years of studying the effect of curing on individual *Vidalia* sweet onions.** Ben G. Mullinix<sup>1\*</sup> and Bryan W. Maw<sup>2</sup>. <sup>1</sup>Texas A&M Univ-Lubbock, 1103 East FM 1294 Road, Lubbock TX 79403 and <sup>2</sup>University of Georgia-Tifton, P.O. Box 748, Tifton GA 31793. (bgmullinix@ag.tamu.edu)

**8:15 Phytophthora fruit rot: an emerging problem on watermelon.** Chandrasekar S. Kousik<sup>1\*</sup>, Judy A. Thies<sup>1</sup>, Howard F. Harrison<sup>1</sup>, Mike Adams<sup>2</sup>, Wilfred R. Jester<sup>2</sup> and Gerald J. Holmes<sup>2</sup>. <sup>1</sup>USDA, ARS, U.S. Vegetable Laboratory, 2700 Savannah Highway, Charleston, SC 29414 and <sup>2</sup>Plant Pathology Extension, NC State University, Raleigh, NC 27695-7609. (shaker.kousik@ars.usda.gov)

**8:30 Food Quality and Safety of Fresh-Cut Sweet Potatoes (*Ipomoea batatas*).** Katriel Alexander\*, Jaheon Koo, and James Garner, Department of Agriculture, University of Arkansas at Pine Bluff, Pine Bluff, AR 71601. (kooj@uapb.edu)

## HORTICULTURAL SCIENCE

- 8:45 Citrulline content in diverse watermelon varieties.** Angela Davis<sup>1</sup>, Todd Wehner<sup>2</sup>, Amnon Levi<sup>3</sup>, Steve King<sup>4</sup>. 1USDA, ARS 911 East highway 3, Lane, Ok 74555-0159; 2Department of Horticultural Science, 222 Kilgore Hall, Box 7609, North Carolina State University, Raleigh, NC 27695-7609; 3USDA, ARS, U.S. Vegetable Laboratory, 2700 Savannah Highway, Charleston, SC 29414 and 4Department of Horticultural Sciences, Vegetable & Fruit Improvement Center, Texas A&M University, College Station, TX 77843-2133 (angela.davis@lane-ag.org)
- 9:00 Potential of cucurbit rootstocks for managing root-knot nematodes in watermelon and melon.** Judy A. Thies<sup>1\*</sup>, Jennifer Ariss<sup>1</sup>, Richard Hassell<sup>2</sup>, Chandrasekar S. Kousik<sup>1</sup> and Amnon Levi<sup>1</sup>. 1USDA, ARS, U.S. Vegetable Laboratory, 2700 Savannah Highway, Charleston, SC 29414 and 2Coastal Research and Education Center, 2700 Savannah Highway, Charleston, SC 29414 (judy.thies@ars.usda.gov)
- 9:15 Replacing the cytoplasm of watermelon cultivar with that of the desert watermelon Citrullus colocythis.** Amnon Levi<sup>1\*</sup>, Judy Thies<sup>1</sup>, Richard Hassell<sup>2</sup>, Anthony Keinath<sup>2</sup>, Howard Harrison<sup>1</sup> and Angela Davis<sup>3</sup>. 1USDA, ARS, U.S. Vegetable Laboratory, 2700 Savannah Highway, Charleston, SC 29414 and 2Coastal Research and Education Center, 2700 Savannah Highway, Charleston, SC 29414 and 3USDA, ARS 911 East highway 3, Lane, Ok 74555-0159 (amnon.levi@ars.usda.gov)

## WORKING GROUPS

### Certified Horticulturist Workshop

**Presiding:** Mike Neff, Chair  
(mwneff@ashs.org)

**Saturday:** 8:00 am – 5:00 pm

**Room:** Bayfront Laguna Madre

### Pecan Research and Extension Forum

**Presiding:** Monty Nesbitt, Chair  
(mlnesbitt@ag.tamu.edu)

**Saturday:** 8:00 am – 5:00 pm

**Room:** Bayfront Copano

## HORTICULTURAL SCIENCE

### S. Blueberry/Small Fruit Workers

**Presiding:** Elena Garcia, Chair  
(megarcoa@uark.edu)

**Saturday:** 8:00 am – 5:00 pm

**Room:** Bayfront Matagorda

### Horticulture Administrators

**Presiding:** Doug Bailey, Chair  
(dabailey@uga.edu)

**Saturday:** 1:00 am – 5:00 pm

**Room:** Bayfront Partnership Boardroom

### Watermelon Research Group

**Presiding:** Richard Hassel, Chair  
(rhassel@clemson.edu)

**Sunday:** 8:00 am – 12:00 pm

**Room:** AmBank room 107

### Vigna Crop Germplasm Committee

**Presiding:** Richard Fery (rffery@saa.ars.usda.gov)

**Sunday:** 9:00 am – 12:00 pm

**Room:** AmBank room 106

### National Cowpea Improvement Assoc.

**Presiding:** John Trachta, Chair  
(john@ctsmithco.com)

**Sunday:** 1:00 am – 5:00 pm

**Room:** Oleander B

### Associate of Collegiate Branch

#### **Saturday**

**Room:** Bayfront Nueces Ballroom A or TBA

10:00-12:00 ACB Club Share

12:00-5:00 Lunch and tours

5:00 ACB President attends SRASHS

Executive Committee Meeting, Bayfront

Partnership Boardroom

Evening Reception

#### **Sunday**

**Room:** AmBank Room 225A/B

8:00-12:00 ACB Judging Contest Set-Up

12:00 -5:00 ACB Judging Contest

#### **Monday**

**Room:** AmBank Bayview C

9:00-10:30 ACB Business Meeting

11:00-12:30 Attend SRASHS Business Meeting and Awards Program

## PLANT PATHOLOGY

Southern Division of the American  
Phytopathological Society  
88<sup>th</sup> Annual Meeting Program  
February 6-7, 2011

Omni Hotel Bayfront Tower, Corpus Christi, TX

### Sunday, February 6

- 8:00-3:30 Registration (Bayfront Preassembly Area)
- 8:15-8:25 Welcome – Boyd Padgett, SDAPS President (Bayfront Corpus Christi Ballroom A)
- STUDENT PRESENTATIONS** – Robert Kemerait, SDAPS Past-President, presiding (Bayfront Corpus Christi Ballroom A)
- 8:25-8:40 Validation of a pecan scab prediction model using repeated measures logistic regression analysis. **A. F. Payne** and D. L. Smith, Oklahoma State University,
- 8:40-8:55 Expression profiling and evolution of pathogenesis related genes in maize and teosinte in response to *Ustilago maydis*. **S. A. Chavan** and S. M. Smith, University of Georgia.
- 8:55-9:10 Effects of irrigation and inoculation with *Macrophomina phaseolina* on soybean canopy reflectance and stomatal conductance. **M. D. Doubledee**, J. Rupe, C. Rothrock, S. Bajwa, A. Steger, and R. Holland, University of Arkansas.
- 9:10-9:25 Role of melanin-like brown pigments in the virulence of *Burkholderia glumae*. **H. S. Karki**, I. K. Barphagha and J. H. Ham, Louisiana State University Agricultural Center.
- 9:25-9:40 Epidemiological studies on Blackberry yellow vein associated virus. **B. Poudel** and I. Tzanetakis, University of Arkansas.
- 9:40-9:55 A new virus disease in the U.S.: Soybean vein necrosis. **J. Zhou** and I. E. Tzanetakis, University of Arkansas.
- 9:55- 10:10 **Break**

## PLANT PATHOLOGY

- 10:10-10:25 Expression of NAC-like transcription factor is involved in bacterial panicle blight resistance in rice. **B. K. Shrestha**, R. Nandakumar, M.C. Rush and J. H. Ham, Louisiana State University Agricultural Center.
- 10:25-10:40 Infestation of ovules by *Acidovorax citrulli* during pistil and pericarp invasion in developing watermelon fruit. **B. Dutta** and R. Wolcott, University of Georgia.
- 10:40-10:55 Potyvirus and insect vector movement in Louisiana sweetpotato fields. **E. Wosula**, C. A. Clark, and J. A. Davis, Louisiana State University Agricultural Center.
- 10:55-11:10 A genomics study of *Burkholderia glumae* genes regulated by quorum sensing. **R.Chen**, I. K. Barphagha and J. H. Ham, Louisiana State University Agricultural Center.
- 11:10-11:25 Sequencing and comparative genomic analyses of the rice pathogen *Burkholderia glumae*, strain 336gr-1. **F. Francis**, J. Kim and J. H. Ham, Louisiana State University Agricultural Center.
- 11:25-11:40 Classification of strains of *Xylella fastidiosa* isolated from pecan in Louisiana as *Xylella fastidiosa* subspecies *multiplex*. **R. Melanson**, J. H. Ham and R. S. Sanderlin, Louisiana State University Agricultural Center.
- 11:40-11:55 Role of soybean seed exudates in cultivar resistance to *Pythium aphanidermatum*. **M. V. Avanzato**, J. C. Rupe and C. Rothrock, University of Arkansas.
- 11:55-1:00 **Lunch** (on your own)
- STUDENT PRESENTATIONS** – Robert Kemerait, SDAPS Past-President, presiding (Bayfront Corpus Christi Ballroom A)
- 1:00-1:15 Response of *Meloidogyne incognita* to silicon. **J. G. Miller** and T. R. Faske, Tarleton State University.

## PLANT PATHOLOGY

- 1:15-1:30 Morphological characterization and fungicide sensitivity of *Phytophthora* species in Texas. **N. D. Rech** (1), R. D. French (2) and J. Heitholt (1), Texas A&M University (1) and Texas Agrilife Research (2).
- 1:30-1:45 A new selective medium for isolation of *Rhizoctonia* spp. from soil. **T. N. Spurlock**, C. S. Rothrock and W. S. Monfort, University of Arkansas.
- 1:45-2:00 Effects of mineral nutrients on *Cercospora kikuchii* and *Cercospora* leaf blight in soybean. **N. A. Ward**, C. L. Robertson, R. W. Schneider and M. Warr, Louisiana State University Agricultural Center.

**CONTRIBUTED PAPERS** – David B. Langston, SDPAS President-Elect, presiding (Bayfront Corpus Christi Ballroom A)

- 2:00-2:15 Chemical control of *Cercospora* leaf blight of soybean: Evaluation of fungicide efficacy and time of application. **C. L. Robertson**, N. A. Ward and R. W. Schneider, Louisiana State University.
- 2:15-2:30 Implications of strobilurin fungicide-resistant *Cercospora sojina* in Tennessee. **M. A. Newman**. Univ. of Tennessee Extension, Entomology and Plant Pathology, 605 Airways Blvd, Jackson, TN 38301-3201
- 2:30-2:45 **Break**
- 2:45-3:00 Impact and management of root knot nematode on soybean in Arkansas. **W. S. Monfort**, T. L. Kirkpatrick, M. Emerson and J. D. Barnham, University of Arkansas.
- 3:00-3:15 Site specific management of nematodes in multiple soil types with Telone® II in Louisiana. **R. A. Haygood**, Dow AgroSciences.
- 3:15-3:30 Disease severity and yield potential of rice cultivars in organic production systems. **X.G. Zhou** (1) and A.M. McClung (2), Texas A&M Research and Extension Center (1) and USDA ARS (2).

## PLANT PATHOLOGY

- 3:30-3:45 Management of bacterial panicle blight of rice with beneficial *Bacillus* strains. **X.G. Zhou** (1), J.W. Kloepper (2), M.S. Reddy (2), and S. Zhang (3), Texas A&M Research and Extension Center (1), Auburn University (2), and University of Florida (3).
- 3:45-4:00 Relationship between frequency of fungicide resistance and efficacy in the management of Gummy stem blight of watermelon. **A. Thomas**, University of Georgia.
- 4:00-6:00 **SAAS Opening and General Session** (Bayfront Nueces Ballroom A)
- 6:00–10:00 **SAAS Reception** (Brewster Street Icehouse - offsite)
- 6:00-7:00 **SDAPS Executive Committee Meeting** (Bayfront Copano)

### Monday, February 7

- 8:00-11:30 Registration (Bayfront Preassembly Area)
- 8:00-8:05 Announcements – Boyd Padgett, SDAPS President (Bayfront Corpus Christi Ballroom A)
- SYMPOSIUM: “The Fat and Skinny on Nematodes and Their Control”** – David B. Langston, SDAPS President-Elect, presiding (Bayfront Corpus Christi Ballroom A)
- 8:05-8:30 “The “Fat and Skinny on Nematodes Eating Plants”. **J. Eisenback**, Virginia Polytechnic Institute and State University.
- 8:30-8:55 New chemistry and *Mi* gene for root-knot nematode management in vegetables. **D. W. Dickson** and M. Mendes, University of Florida.
- 8:55-9:20 Utilizing nematode resistance in cotton production. **R. F. Davis**. USDA-ARS, Tifton, GA.

## PLANT PATHOLOGY

- 9:20-9:45 Precision agriculture strategies for managing southern root-knot nematodes in cotton fields. **B. Ortiz** (1) C. Perry (2), D. Sullivan (2), R.C. Kemerait (2), P. Lu (2), R.F. Davis (3), A. Ziehl (2), G. Vellidis (2), K. Rucker (2), Auburn University (1), University of Georgia (2), USDA-ARS, Tifton (3).
- 9:45- 10:00 **Break**
- 10:00-10:25 Anticipated management tools for nematodes affecting agronomic crops through 2015. **R.C. Kemerait** (1), F.H. Sanders, R.F. Davis (2), P. Timper (2), J.P. Noe, and J. Woodward (3). University of Georgia (1), USDA-ARS, Tifton (2), and Texas A&M and Texas Tech. (3).
- 10:25-10:55 Discussion
- ONTRIBUTED PAPERS** – Bobby Haygood, Dow AgroSciences, presiding (Bayfront Corpus Christi Ballroom A)
- 10:55-11:10 Molecular genetic and genomic studies on bacterial panicle blight of rice and its causative agent *Burkholderia glumae*. **J. H. Ham**, H. S. Karki, B. Shrestha, I. K. Barphagha, R. A. Melanson, R. Chen, D. E. Groth, X. Sha, H. Utomo, P. Subudhi, and M. C. Rush, Louisiana State University Agricultural Center.
- 11:10-11:25 Documentation of an extended latent infection period with *Phakopsora pachyrhizi* in soybean. **N. Ward** and R. W. Schneider, Louisiana State University Agricultural Center.
- 11:25-11:40 Seed treatment using plasma technology in control of seedborne diseases. **J. Cho** (1), T.-C. Tsai (1), D. Staack (1), J. Roh, (2), D. Shin (2) and Y.-K Jo (1), Texas A&M University (1) and Rural Development Administration (2).

## PLANT PATHOLOGY

- 11:40-11:55 Histochemical analysis of wheat resistance to leaf blast mediated by silicon. **W. L. Da Silva** (1) and F. A. Rodrigues (2), Louisiana State University Agricultural Center (1) and Universidade Federal de Vicosa (2).
- 11:55-1:15 **Lunch** (on your own)
- 11:55-1:15 **Graduate Student Luncheon** by invitation only (AmBank Bayview Ballroom D)
- CONTRIBUTED PAPERS** – Bobby Haygood, Dow AgroSciences, presiding (Bayfront Corpus Christi Ballroom A)
- 1:15-1:30 Management strategies for Pythium pod rot of peanut in Oklahoma. **J. P. Damicone** and C. B. Godsey, Oklahoma State University.
- 1:30-1:45 Development of a rapid laboratory screening method for stem rot resistance in peanut. **J. Augusto** and T. Breneman, University of Georgia.
- 1:45-2:00 Effects of storage environment on seed quality tests and field emergence of soybean seed. **K. Cochran** (1), J. Rupe (1) and J. Robinson (2), University of Arkansas (1) and Ohio State University (2).
- 2:00-2:15 Field validation and *in vitro* confirmation of temperature and relative humidity variables used to predict fungicide application for the control of dollar spot of creeping bentgrass. **D. L. Smith** (1), J. L. Lyles (1) C. Wilson (2) and J. P. Kerns (2), Oklahoma State University (1) and University of Wisconsin (2).
- 2:15-2:30 The duration of DMI exposure affects the expression of *shCYP51* differently in sensitive and insensitive isolates of *Sclerotinia homeocarpa*. **B. Ma** and L. P. Treadway, North Carolina State University.
- 2:30-2:45 **Break**

## PLANT PATHOLOGY

- 2:45-3:00 Response of pepper (*Capsicum annuum*) genotypes to *Phytophthora capsici* and *Meloidogyne incognita*. **J. A. Thies**, J. J. Ariss and C. Kousik, U.S. Vegetable Laboratory.
- 3:00-3:15 **APS Update.** Dr. John Sherwood, APS President,
- 3:15-4:30 **SDAPS Business Meeting**, Boyd Padgett, SDAPS President, presiding (Bayfront Corpus Christi Ballroom A)
- 6:00-9:00 **SDAPS Social (cash bar), Banquet, and Southern Division deBary Bowl** (Bayfront Bayview)

## RESEARCH CENTER ADMINISTRATORS

### RESEARCH CENTER ADMINISTRATORS SOCIETY 2011 WINTER MEETING AGENDA

**Sunday, February 6, 2011**  
**Omni Marina Tower, Marina View**

3:00 RCAS Executive Board Meeting

**Monday, February 7, 2011**  
**Omni Marina Tower, Marina View**

Presiding: Ray Cartee, Director of Research Farms, Utah Agricultural Experiment Station, Utah State University

8:00 Welcome and Announcements  
Jim Beaty, President RCAS, Purdue University

8:15 Welcome to Texas Agriculture

8:45 "Tennessee BioFuels Production – An Integrated Approach"  
Walt Hitch, Director, Plateau Research & Education Center, University of Tennessee

9:15 "Working with Private Industry to Turn Food Waste into Methane"  
Gerald Reid, Manager Farm Operations, Ohio Agricultural Research & Development Center-Wooster, The Ohio State University

9:45 "Utah's On-Farm Mobile Oil Seed Press and Biodiesel Processor"  
David Drake, Texas AgriLife Extension Service, Texas A&M University System

10:15 Break

Presiding: Lyle Lomas, Head, Southeast Agricultural Research Center, Kansas State University

10:30 "Managing Research Facility Budgets with Donations and Other Revenue Sources"  
Chuck Reid, Director, Land Management Office, Michigan State University

11:00 "Can Creative Marketing Work for AgResearch and Education Centers?"  
Barry Sims, Director, Highland Rim Research & Education Center, University of Tennessee

## RESEARCH CENTER ADMINISTRATORS

- 11:30 “Maintaining Quality Research with Reduced Funding”  
Merritt Taylor, Director, Wes Watkins  
Agricultural Research & Education Center-  
Lane, Oklahoma State University
- 12:00 Lunch
- Presiding: Randall Rawls, Superintendent,  
Upper Coastal Plain Substation, Auburn  
University
- 1:00 “Planning, Coordination and Implementation  
of the UT Milian No-Till Field Day  
Blake Brown Director, Milan Research &  
Education Center, University of Tennessee
- 1:30 “Utilization of GPS Based Technology in Row  
Crop Research and Bulk Production at the  
Davis Purdue Ag Center”  
Jeff Boyer, Superintendent, Davis-Purdue  
Agricultural Center, Purdue University
- 2:00 “Role of Research Center Administrators in  
Global Engagement”  
Bob Dunker, Superintendent, Crop Sciences  
Research & Education Center, University of  
Illinois at Urbana-Champaign
- 2:30 “Research Program Development and  
Relationship with Project Leaders”  
Denny Thompson, Research Operations  
Manager, Mountain Horticultural Crops  
Research Station, North Carolina Department  
of Agriculture & Consumer Services
- 3:00 Break
- Presiding: Stan Jones, Superintendent,  
Southwest Research & Education Center,  
University of Georgia
- 3:15 “When Disaster Strikes, Who’s In Control?”  
Ken Scaife, Assistant to the Director, Field  
Operations, Ohio Agricultural Research &  
Development Center – Wooster, The Ohio  
State University
- 3:45 “The Agricultural Research Service  
Bioproducts Research Program”  
Paul Sebesta, Center Director, National  
Center for Agricultural Utilization Research,  
USDA-ARS
- 4:15 RCAS General Business Meeting

## RESEARCH CENTER ADMINISTRATORS

**Tuesday, February 8**

**Omni Marina Tower, Marina View**

- Presiding: Rob Ellis, Director, Director,  
Greenville Research & Education Center,  
University of Tennessee
- 8:00 “Keeping the Trailer Hooked to the Truck”  
Steve Hawkins, Assistant Director, Purdue  
Agricultural Center, Purdue University
- 8:30 “Tracking Employee Safety Training with a  
Centralized Program”  
Chuck Reid, Director, Land Management  
Office, Michigan State University
- 9:00 “Can My ‘Safety Blog’ Help You? Yes.  
Twice.”  
Jim Beaty, Superintendent, Agromomy  
Center for Research & Education, Purdue  
University
- 9:15 “Opportunities in International Development –  
an Afghanistan Experience”  
Rex Kirksey, Superintendent, Agricultural  
Science Centers at Tucumcari & Clovis, New  
Mexico State University
- 9:30 “Controlling Vertebrate Pests in Research  
Plots at Research Centers”  
Pete Schultz, Director, Hampton Roads  
Agricultural Research & Extension Center,  
Virginia Tech
- 10:30 Tour of Texas AgriLife Research and  
Extension Center at Corpus Christi and Flour  
Bluff Mariculture Laboratory

## RURAL SOCIOLOGY

### SOUTHERN RURAL SOCIOLOGICAL ASSOCIATION ANNUAL MEETING

*"From Vulnerability to Resilience:  
Achieving Sustainable Communities  
through Social Science"*

February 6- February 8, 2011  
Corpus Christi, Texas

Southern Rural Sociological  
Association Meeting  
February 6-8, 2011

Marina Tower Omni Hotel  
Corpus Christi, Texas

#### Executive Officers

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## RURAL SOCIOLOGY

SUNDAY, FEBRUARY 6

8:00 A.M. – 3:30 P.M.

**REGISTRATION**

Marina Ballrooms Lobby

8:15 A.M. – 9:30 A.M.

**SRSA EXECUTIVE  
COUNCIL MEETING**

Marina Riviera 4

9:45 A.M. – 10:45 A.M.

**PANEL DISCUSSION**

Marina Riviera 4

**Gas Drilling and  
Water Resources**

**Organizer:**

Gene Theodori, Sam Houston State University

**Participants:**

**This is All New to Us: Rural Residents' Views on  
Gas Drilling and Water Resources in an Emerging  
Energy Hotspot**

Gene L. Theodori, Sam Houston State University  
Abby J. Kinchy, Rensselaer Polytechnic Institute  
Leanne M. Avery, State University of New York –  
Oneonta

**PAPER SESSION**

Marina Riviera 5

**Rural Development in  
Developing Countries**

**Moderator:**

Tom Gray, USDA Rural Development

**Poverty and Agricultural Child Labor in the Niger  
Delta: Dilemma of Economic Growth and  
Development in Nigeria**

Chioma Joseph-Obi, University of Port Harcourt,  
Nigeria

**Large Scale Irrigation Projects and the Nigerian  
Small Farmers**

Zacchaeus O Ogunniko, State University, Petersburg,  
Virginia

**The Adoption of Orange Flesh Sweetpotatoes  
(OFS) by Ghanaian Small Farmers for Nutritional  
and Economic Well-Being**

Robert. Zabawa, Tuskegee University  
E. Bonsi, Tuskegee University  
C. Bonsi, Tuskegee University  
P. Doamekpor, Tuskegee University  
E. Kebede, Tuskegee University  
D. Mortley, Tuskegee University

## RURAL SOCIOLOGY

### **Rural Development Through Collective Action in the Ecuadorian Highlands: A Case Study**

Marta M. Hartmann, University of Florida

### **Indigenous Women and Access to Land in the Niger Delta Region of Nigeria: A Feminist Intervention.**

Chioma Joseph-Obi, University of Port Harcourt, Nigeria

**11:00 A.M. – 12:30 P.M.**

#### **PAPER SESSION**

#### **Marina Riviera 4**

### **Black Communities and the HIV/AIDS Epidemic**

#### **Moderator:**

James Bukenya, Alabama A & M University

### **Perceived Causes of High HIV Infection Rates in Black Communities among Women Living with HIV/AIDS in the Deep South**

Andrew A. Zekeri, Tuskegee University  
Rueben Warren, Tuskegee University  
Tsegaye Habtemariam, Tuskegee University  
Berhanu Tameru, Tuskegee University  
David Nganwa, Tuskegee University  
Gemechu B. Gerbi, Tuskegee University  
Vinaida Robnett, Tuskegee University

### **The influence of religious affiliation and frequency of attendance at religious services on HIV/AIDS risky behaviors among People Living with HIV/AIDS**

Gemechu B. Gerbi, Tuskegee University  
Tsegaye Habtemariam, Tuskegee University  
Berhanu Tameru, Tuskegee University  
David Nganwa, Tuskegee University  
Vinaida Robnett, Tuskegee University

### **Depressive Symptoms, Low-Income, and Participating in Food Stamp Program Are Associated with Food Insecurity among Women Living with HIV/AIDS in Rural Alabama**

Andrew A. Zekeri, Tuskegee University  
Reuben Warren, Tuskegee University

#### **PAPER SESSION**

#### **Marina Riviera 5**

### **Sustainability and Economic Development Issues**

#### **Moderator:**

Nii Tackie, Tuskegee University

## RURAL SOCIOLOGY

### **Formative Experiments as a Tool for Sustainability Research**

Brooklynn J. Wynveen, Corpus Christi, TX

### **Achieving Sustainable Communities through Social Science: Bioethical Considerations**

Stephen Olufemi Sodeke, Tuskegee University

### **The Mississippi Blues: Exploring Psycho-Social Stress in the Delta and Gulf Coast Regions of Mississippi**

John Green, Delta State University  
Anna M. Kleiner, Southeastern Louisiana University  
JoLynn P. Montgomery, University of Michigan  
Dana Thomas, University of Michigan  
Donald R. Vereen, University of Michigan

### **Leadership Conceptual Ambiguities: A Sociological Critique and Resolution**

Billy Brocato, Sam Houston State University

### **The Miss-Lou – Using Regionalism and Resource Utilization to Create Sustainable Economies**

Rachael Carter, Mississippi State University  
Cynthia Pilcher, Louisiana State University

**12:30 P.M. – 1:30 P.M.**

#### **Lunch (on your own)**

**1:30 P.M. – 3:00 P.M.**

#### **PAPER SESSION**

#### **Marina Riviera 4**

### **Rural Development and Educational Issues**

#### **Moderator:**

Gemechu B. Gerbi, Tuskegee University

### **Effective Strategies for Engaging Rural Volunteers**

Jenna Fehr, Appalachian Coal Country Team (ACCT)

### **The Effects of Computer Ownership, Internet Accessibility and Broadband Access on Educational Assessments**

Danny Jackel and D. Clayton Smith  
Western Kentucky University

### **Returns to Education in the Appalachian States, 1990 – 2000**

Edward B. Reeves, Professor of Sociology  
Timothy Hare, Morehead State University  
Steven Parkansky, Morehead State University

## RURAL SOCIOLOGY

### **Collaboration: Investigating the Extent of Convergence Between Theory and Practice**

Terrence Thomas North Carolina A&T State University  
Cihat Gunden, North Carolina A&T State University  
Benjamin Gray, North Carolina A&T State University  
Paula Faulkner, North Carolina A&T State University

### **PAPER SESSION Marina Riviera 5**

#### **Rural Land Food Issues**

#### **Moderator:**

Ntam, Baharanyi, Tuskegee University

#### **Social and Economic Impacts of Timberland Sales by Alabama's Forest Products Industry**

Dr. Conner Bailey, Auburn University  
Dr. Larry Teeter, Auburn University

#### **Perplexity of Connection between People and Land in Greene County, Alabama**

Buddhi Raj Gyawali, Alabama A&M University  
Swagata "Ban" Banerjee, Alabama A&M University  
James Bukenya Alabama A&M University

#### **Exploring Income Growth in Southeastern United States**

Anquinet Hill, Alabama A&M University  
Buddhi Gyawali, Alabama A&M University  
Swagata "Ban" Banerjee, Alabama A&M University  
James Bukenya Alabama A&M University

#### **Food Environment: Availability and Affordability of Fruits and Vegetables in Guilford County, North Carolina**

Ismail Mintah, School: North Carolina Agricultural and Technical State University

**3:00 PM – 3:30 P.M.**

### **Southern Rural Sociology Editorial Board Marina Riviera 4**

**4:00 – 6:00 P.M**

### **SAAS Opening Session Bayfront Tower Ballroom**

**6:00 P.M. —Onward**

### **SAAS Annual Super Bowl Party/Reception Brewster Street Icehouse**

## RURAL SOCIOLOGY

**MONDAY, FEBRUARY 7**

**7:45 A.M. – 3:00 P.M.**

### **REGISTRATION Marina Ballrooms Lobby**

**8:00 A.M. – 9:15 A.M.**

### **PAPER SESSION Marina Riviera 4**

#### **Community Development Issues in Rural Areas**

#### **Moderator:**

Robert Zabawa, Tuskegee University

#### **Exploring Local Knowledge and Community in Rural Science Education**

Leanne M. Avery, Ph.D., State University of New York

#### **Community Contributions by Immigrant Latin American Entrepreneurs in a "New Destination" State**

Frank L Farmer, University of Arkansas  
Zola K Moon, University of Arkansas  
Cristina Abreo, Wayne P. Miller, University of Arkansas  
Stacey McCullough, University of Arkansas

#### **Socioeconomic and Environmental Impacts of Irrigation Water Shortage**

Babatunde A. Obembe, Swagata "Ban" Banerjee, Buddhi R. Gyawali, and James O. Bukenya  
Alabama A & M University

#### **The Impact of Socioeconomic Factors on Amount of Earned Income Tax Credit**

#### **Received Among Low-Income Rural Residents**

Nii O. Tackie, Alabama A&M University  
Deborah Yeboah, Alabama A&M University  
Ntam Baharanyi, Alabama A&M University  
Robert Zabawa, Alabama A&M University  
Mudiayi Ngandu, Alabama A&M University  
Henry J. Findlay, Alabama A&M University  
Eunice Bonsi, Alabama A&M University  
Oluwagbemiga Ojumu, Tuskegee University  
Tuskegee

## RURAL SOCIOLOGY

### PAPER SESSION

Marina Riviera 5

#### **Sustainable Agriculture and Small Farmers**

**Moderator:**

Tom Gray, USDA, Rural Development

#### **The Predictors of Organic Adoption by Agricultural Commodity: The Case of Texas**

Jin Young Choi, Sam Houston State University

Douglas H. Constance, Sam Houston State  
University

Michael Lau, Sam Houston State University

Roger Hanagriff, Texas A&M University - Kingsville

#### **Governance and Sustainable Agriculture: The Case of the Leonardo Academy Initiative**

Douglas H. Constance, Sam Houston State  
University

Jason Konefal, Sam Houston State University

Maki Hatanaka, Sam Houston State University

#### **Tennessee Small farmers 'perception of the importance of bioenergy crops and their willingness to produce them**

Fisseha Tegegne, Tennessee State University

Surendra Singh, Tennessee State University

Enefiok Ekanem, Tennessee State University

#### **Achieving more Civility in the Agriculture Sector**

George Floro, Sul Ross State University

**9:15 A.M. – 9:30 A.M.**

### **BREAK**

**Hallway by Marina  
Riviera 4 and 5**

**9:30 A.M. – 10:45 A.M.**

### PAPER SESSION

Marina Riviera 4

#### **Disaster Experiences and Community Social Capital**

**Moderator:**

Anna, Kleiner, Southeastern Louisiana University

#### **Coping with Hurricane Katrina: Psychological Resilience among Africa American Families in Rural Alabama**

Andrew A. Zekeri, Tuskegee University

Rueben C. Warren, Tuskegee University

## RURAL SOCIOLOGY

#### **The shake felt round the world: an examination of framing of social inequality in local media in the wake of the earthquake in Haiti**

Colleen Wynn, Western Kentucky University

#### **Involuntariness in Development-Induced Uproot Resettlement**

Fayin Xu, University of Kentucky

#### **The Influence of Community Capital toward a Community's Capacity to Respond to Food Insecurity**

Dr. Jessica Crowe, University of North Texas at  
Dallas

#### **Cowboy Churches: A Blast from the Past or Gallop into the Future**

Katy F. Williams, Texas A&M University

### PAPER SESSION

Marina Riviera 5

#### **The Global Commodity Chain Analysis**

**Moderator:**

Douglas Constance, Sam Houston State University

**11:15 A.M. – 12:45 P.M.**

#### **SRSA LUNCHEON AND PRESIDENTIAL ADDRESS Bayfront Bayview**

#### **From Vulnerability to Resiliency: Achieving Sustainable Communities Through Social Science**

**SRSA President:**

Anna M. Kleiner, Southeastern Louisiana University

**1:00 P.M. – 2:30 P.M.**

### PAPER SESSION

Marina Riviera 4

#### **Family Farm and Community Education**

**Moderator:**

Andrew Zekeri, Tuskegee University

#### **From Family Farm to Urban Table**

Brislen, Lily, University of Kentucky

Alicia Fisher, University of Kentucky

Justin Mullikin, University of Kentucky

Keiko Tanaka, University of Kentucky

## RURAL SOCIOLOGY

### **Going Out by Going In: Achieving Sustainability through Education in Rural Communities**

Professor Kimora, John Jay College of Criminal Justice, NYC

### **The global regulation and changing - or not changing - economic prospects for local mango growers: A case of a fruit fly eradication program in the state of Sinaloa, Mexico**

Kiyohiko Sakamoto, University of Kentucky

### **Kentucky's Part in Developing the Animal Health Network: the CASHN Project**

Marion Simon, Kentucky State University  
Kenneth Andries, Kentucky State University  
Louie Rivers, Jr., Kentucky State University

**2:30 P.M. — 2:45 P.M.**

#### **Break**

**Hallway by Marina  
Riviera 4 and 5**

**2:45 P.M. — 4:00 P.M.**

#### **PANEL DISCUSSION**

**Marina Riviera 4**

#### **Organizing for Asset Building**

#### **Moderator:**

Ntam Baharanyi, Tuskegee University;

#### **A Preliminary Assessment of Organizing for Asset Building**

#### **Panelists:**

Ntam Baharanyi, Tuskegee University;  
Alice Paris, Tuskegee University;  
Robert Zabawa, Tuskegee University;  
Jerry Pennick, Federation of Southern Cooperatives;  
Dreamal Worthen, Florida A&M University

#### **PANEL DISCUSSION**

**Marina Riviera 5**

#### **Innovations in Community Development**

#### **Organizers:**

Rachael Carter, Mississippi State University  
Cheryl Hudec, Sam Houston State University  
Gene L. Theodori, Sam Houston State University

#### **Cowboy Churches: A Blast from the Past or Gallop into the Future**

Katy F. Williams, Texas A&M University

## SAAS EXECUTIVE OFFICERS

### **2010-2011 SAAS EXECUTIVE COMMITTEE OFFICERS**

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### 2010-2011 SAAS SECTION OFFICERS

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## LIST OF MEETING ROOMS BY HOTEL

OMNI MARINA	
Lobby Level	<b>Texas Riviera Ballroom</b>
	Riveria Rooms 1 -5
	<b>Padre Island Ballroom</b>
	Padre Island Rooms A - D
	<b>Ballrooms Lobby</b>
	<b>Marina View</b>
	<b>Monty's Boardroom</b>
3 <sup>rd</sup> Floor	<b>Duval</b>
	<b>Kleberg</b>
OMNI BAYFRONT	
3 <sup>rd</sup> Floor	<b>Corpus Christi Ballroom</b>
	Ballrooms A - C
	<b>Nueces Ballroom</b>
	Ballrooms A and B
	<b>Aransas</b>
	<b>Copano</b>
	<b>Laguna Madre</b>
	<b>Matagorda</b>
	<b>Partnership Boardroom</b>
	<b>Preassembly Area</b>
Lobby Level	<b>Bayview</b>
	<b>Hotel Lobby</b>
AMERICANBANK CENTER	
Level 1	<b>Bayview Foyer</b>
	<b>Rooms 101 - 107</b>
Level 2	<b>Bayview Ballroom</b>
	Bayview Rooms A - D
	<b>Watergarden</b>
	Watergarden A and B
	<b>225 Rooms</b>
	225A - 225E
	<b>Room 226</b>
	<b>Room 227</b>

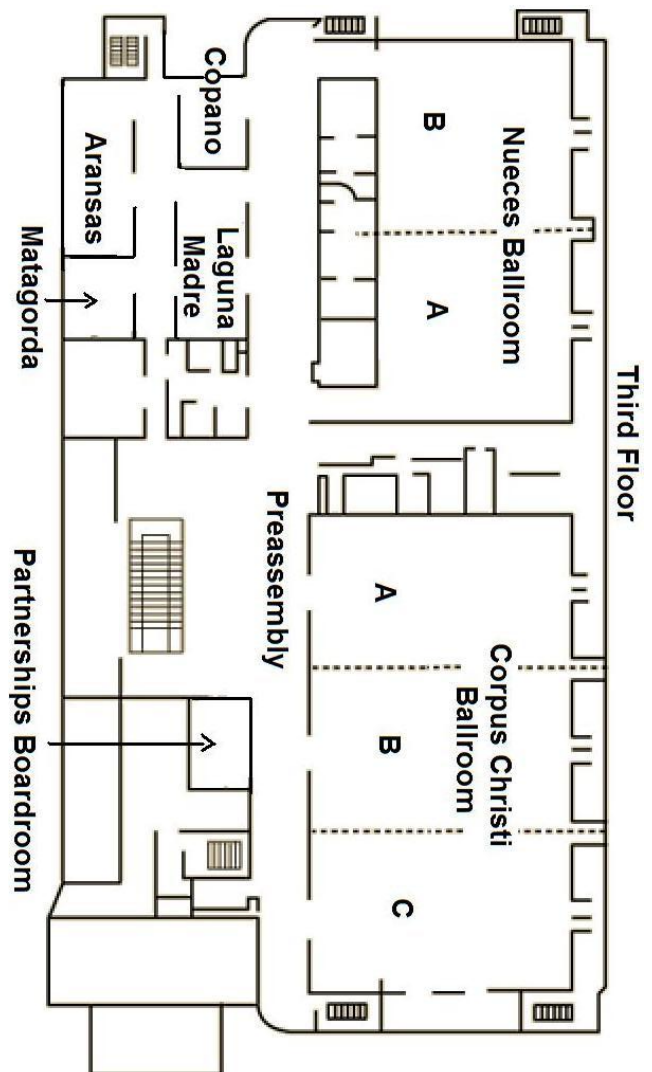
## ALPHABETICAL LIST OF MEETING ROOMS

Aransas (Omni Bayfront – 3rd floor)  
 Ballrooms Lobby (Omni Marina – Lobby)  
 Bayview (Omni Bayfront – 1st floor)  
 Bayview A - D (AmBank – Level 2)  
 Bayview Foyer (AmBank – Level 2)  
 Copano (Omni Bayfront – 3rd floor)  
 Corpus Christi Ballrooms A-C  
 (Omni Bayfront – 3rd floor)  
 Duval (Omni Marina – 3rd floor)  
 Hotel Lobby (Omni Bayfront – Lobby)  
 Kleberg (Omni Marina – 3rd floor)  
 Laguna Madre (Omni Bayfront – 3rd floor)  
 Marina View (Omni Marina – Lobby Level)  
 Matagorda (Omni Bayfront – 3rd floor)  
 Monty's Boardroom (omni Marina – Lobby Level)  
 Nueces Ballrooms A & B (Omni Bayfront – 3rd floor)  
 Padre Island A – D (Omni Marina – Lobby Level)  
 Partnerships Boardroom (Omni Bayfront – 3rd floor)  
 Preassembly Area (Omni Bayfront – 3rd floor)  
 Riviera 1 – 5 (Omni Marina – Lobby Level)  
 Rooms 101 – 107 (AmBank – Level 1)  
 Rooms 225A – 225E (AmBank – Level 2)  
 Room 226 (AmBank – Level 2)  
 Room 227 (AmBank – Level 2)  
 Texas Riviera 1 – 5 (Omni Marina – Lobby Level)  
 Watergarden A & B (Am Bank – Level 2)

## MEETING ROOMS FLOOR DESIGNS

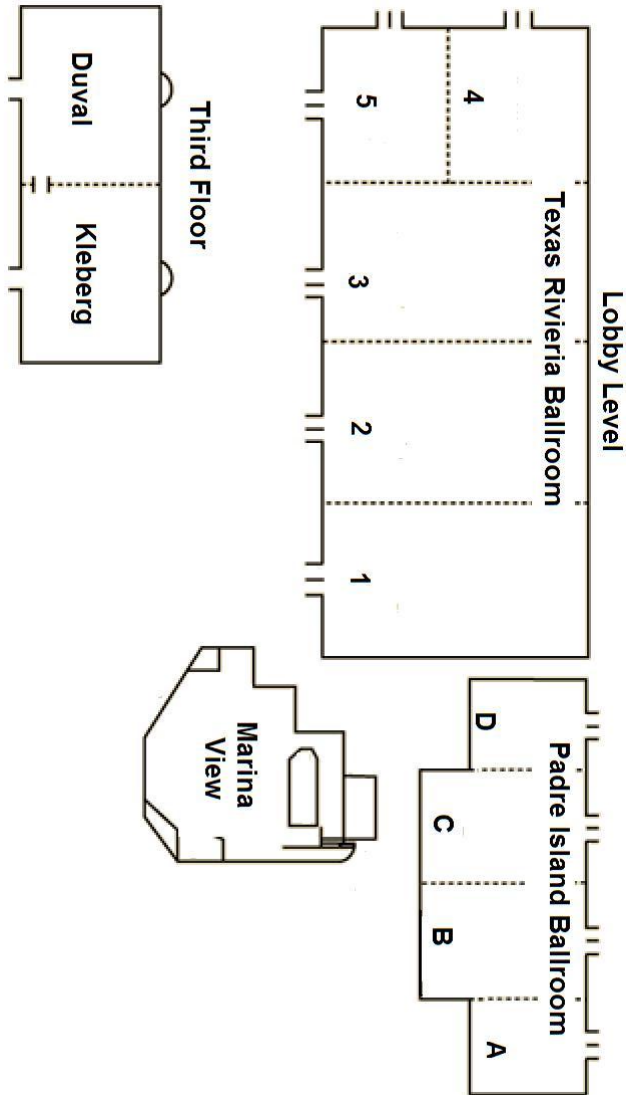
### Omni Bayfront

#### Third Floor



MEETING ROOMS FLOOR DESIGNS

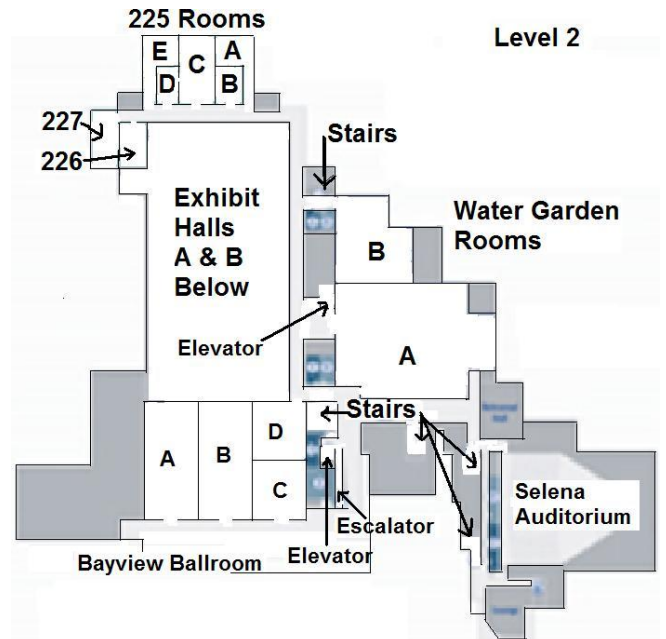
Omni Marina



MEETING ROOMS FLOOR DESIGNS

AmericanBank Center

Level 2



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## **Future Meeting Dates & Locations**

2012 – Birmingham, Alabama (Feb 04-07)

2013 – Orlando, Florida (Feb 02-05)

2014 – Dallas, Texas (Feb 01-04)

2015 – Atlanta, Georgia (Jan 31-Feb 03)

2016 – Jacksonville, Florida (Feb 06-09)

***Conference participants are encouraged to write  
and thank their state Federation for the support of  
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