SOUTHERN ASSOCIATION OF AGRICULTURAL SCIENTISTS

2009 Program Book

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

For the Reception:

Southern Farm Bureau Life Insurance Company
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1401 Livingston Lane - 39213-8098
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Conference participants are encouraged to thank the sponsors for their support of the SAAS.
2009

Southern Association of Agricultural Scientists
Annual Meeting and Conference

Atlanta, Georgia

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!

Visit the SAAS website: www.saasinc.org

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SAAS PROGRAMS

SAAS Registration

Sunday  8:00 am - 4:00 pm
Monday  8:00 am - 4:00 pm
Tuesday  8:00 am – Noon
       Vinings Balcony (6th Floor)

Sunday, February 1
OPENING PROGRAM & BUSINESS MEETING
       Vinings Rooms (6th Floor)

3:30pm – 5:00 pm
Alternative Energy & Agriculture: Spotlight or Stoplight? (Agricultural Economics)

Immediately following Business Meeting:

“Super Bowl Party” & SAAS Reception
Sponsored by: Southern Farm Bureau Life Insurance Co., Jackson, Mississippi and Affiliates

Social begins at 5:00 pm; Kickoff 6:28 pm
(Raymond James Stadium, Tampa Bay, FL)
Come watch Super Bowl 43 on big screen TV.
Peachtree Ballroom (6th Floor)

Monday, February 2
CONCURRENT SESSIONS
       Vinings Rooms (6th Floor)

10:00 am – Noon
Ag Renewable Energy Papers: Where Has All the Money Gone? (Agricultural Economics)

1:00 pm – 2:30 pm
Biofuels: Prospects & Challenges in Development & Policy (Rural Sociology)

3:00 pm – 5:00 pm
Alternative Fuels: Taking Your Stories to Market(s) (Ag Communications)

EXECUTIVE COMMITTEE MEETINGS

Saturday, January 31, 2009

“Meet & Greet”
(by invitation only)
7:00 pm - till
Durango Steakhouse (half block from hotel)
230 Peachtree Street
Meal provided - Cash Bar

Sunday, February 1
SAAS Board Meeting
2:30 pm – 3:00 pm
       Tower Room 1401 (14th Floor)

Tuesday, February 3
SAAS Board Breakfast Meeting
7:30 am – 9:30 am
       Vinings Rooms I & II (6th Floor)
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### 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 professional fee or $5 student fee).

<table>
<thead>
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<th>Sunday &amp; Monday - 8am-4pm Vinings Rooms Balcony (6th floor)</th>
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<td>Ag Educ</td>
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<td>Agron</td>
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<td>Animal Sci</td>
<td>Sunday - 11am-4pm Monday – 7:30am-4pm Tuesday - 8am-Noon Atlanta Ballroom Balcony (7th floor)</td>
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<td>Biochem</td>
<td>Sunday &amp; Monday – 8am-4 pm Vinings Rooms Balcony (6th floor)</td>
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<td>Horticulture</td>
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<td>Plant Path</td>
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<td>Res Ctr Admin</td>
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<td>Rural Soc</td>
<td>Sunday - 8am-3:30pm Monday – 7:45am-3pm Tuesday – 8:30am-10:15am Augusta Balcony (7th floor)</td>
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Good graduate students are the back bone of a strong research program. However, recruiting highly qualified students in a sustained, systematic way seems to be a growing challenge.

For this year's SAAS Academic Department Heads Dr. Maureen Grasso, Dean of the Graduate School at the University of Georgia, will join us to share her wisdom about recruiting today's student for graduate study. The extraordinary growth in graduate student enrollment at UGA under Dr. Grasso's leadership is a convincing testimony that she has some insights from which we can all benefit.
Sunday, February 1
9:00 a.m. Research Session I, International Room A, Westin Peachtree Hotel

Welcome and Overview

Employers’ Perceptions of Recent Agricultural Communications Graduates’ Workplace Habits and Communications Skills
Erica Gross Irlbeck and Cindy Akers, Texas Tech University

How Well do We Relate: Media Professionals’ Awareness and Perceptions of a Land Grant Institution
Lauri M. Baker, Katie Abrams and Tracy Irani, University of Florida

Critiquing the Contest: Assessing the Benefits of a Collegiate Academic Competition
Angelina C. Toomey and Ricky Telg, University of Florida

10:30 a.m. Break

10:45 a.m. Research Session II, International Room A, Westin Peachtree Hotel

Citation Structure: An Analysis of the Literature Cited in the Journal of Applied Communications from 1997 to 2006
Leslie D. Edgar, University of Arkansas and Tracy Rutherford, Texas A&M University

Ohio Grain Farmers’ Attitudes toward Organic and Non-Organic Farming Methods
Kelsey Hall, Texas Tech University and Emily Rhoades, The Ohio State University

Noon Lunch on your own

1:30 p.m. Professional Development Session I, International Room A, Westin Peachtree Hotel

Sharing Resources and Expertise for Regional Communications Projects
Emily E. Eubanks, University of Florida and J. Faith Peppers, University of Georgia

2:30 p.m. Poster Session, Westin Peachtree Hotel, Peachtree Balcony (L8)

Monday, February 2
8:30 a.m. Research Session III, International Room A, Westin Peachtree Hotel

Sources and Framing in Print News Coverage of a Water Quality Dispute
Jefferson D. Miller, University of Arkansas and Macey A. Panach, Jones Public Relations Inc.

Competencies Needed by Agricultural Communication Undergraduates: An Industry Perspective
A. Christian Morgan, University of Georgia

9:45 a.m. Break (Sponsored by ACE Southern Region)

10:00 a.m. Research Session IV, International Room A, Westin Peachtree Hotel

Kansas Beef Feedlot Managers’ Trusted Source of Information Concerning Agroterrorism Event: A Descriptive Study
Kendra Riley, D. Dwayne Cartmell II and Traci L. Naile, Oklahoma State University

The Effect of an Agricultural Communications Workshop on Urban High School Student Career-related Self-Efficacy Levels
Quisto Settle, David L. Doerfert, Cindy Akers, Scott Burris, Texas Tech University

10:40 a.m. Professional Development, International Room A, Westin Peachtree Hotel

Future of Social Media
Mark Chernesky, CNN

Noon Lunch on your own

1:30 p.m. General Discussion and Business Meeting, International Room A, Westin Peachtree Hotel

3-4:30 p.m. Alternative Fuels General Session, Vinings Rooms, Westin Hotel
Southern Agricultural Economics Association
41st Annual Meetings Program
January 31 - February 3, 2009
The Westin Peachtree Plaza
Atlanta, Georgia

SAEA OFFICERS:
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Editors . . . . . . . . . . . . . . . . JEFFREY M. GILLESPIE
AND ASHOK MISHRA

Meeting room location: The Westin Peachtree Plaza, Atlanta, Georgia

Saturday 6 p.m. - 8 p.m.
Quiz Bowl
Dallas Ballroom A1 - CC
International Room H
**************

Sunday 8 a.m. - 5 p.m.
Quiz Bowl / Recruitment Fair
International Room H / International Room H
Foyer

Sunday 9:30 a.m. - 2:30 p.m.
SAEA Executive Committee Meeting
Tower Room 1201

Sunday Noon - 5 p.m.
Registration
International Balcony (L6)

Sunday 2 p.m. - 5 p.m.
Department Heads’ Meeting
Tower Room 1203

Sunday 2 p.m.-4 p.m.
SERA39
Public Policy Education
Tower Room 1205

Sunday 3:30 p.m. - 5 p.m.
SAAS General Session
Vinings I & II

Sunday 5:00 p.m. - till 10:00 p.m.
SAAS Reception
Peachtree Ballroom

AGRICULTURAL ECONOMICS

Sunday 2 p.m. - Tuesday 5 p.m.
Selected Posters
Peachtree Balcony (L8)
Poster Presentations will be
Tuesday 10:15 - 12:00 noon

Liliane K. Zoungrana and P. Lynn Kennedy, Louisiana State University

2. Increasing Agribusiness Student Engagement and Career Interests Among First Year College Students
Joey E. Mehlhorn, Scott Parrott, and James Butler, University of Tennessee at Martin

3. Biodiesel Industry in Arkansas: Re-Assessing the Statewide Economic Impact
Ranjitsinh U. Mane, Daniel V. Rainey, and Biswa R. Das, University of Arkansas

4. The Impact of Agriculture on the Arkansas Economy
Jennie Popp, Nathan Kemper, and Wayne Miller, University of Arkansas

5. Will Biomass Markets affect Arkansas Crop and Livestock Agriculture? Some Preliminary Numbers
Michael Popp, Lanier Nalley, and Gina Vickery, University of Arkansas

6. Preventative Animal Healthcare: Micropolitan vs. Metropolitan Areas
Scott Parrott, Janet Bailey, Kathryn Bray, and Joey Mehlhorn, University of Tennessee

7. Understanding Direct Markets: Characteristics of the Farmers’ Market Consumer
Allison L. Vetter, Henderson State University and Ronald L. Rainey, University of Arkansas

Mac Young, Steven Klose, Greg Kaase, Shad Nelson, Texas A&M University, and Juan Enciso, Texas AgriLife Research and Extension Center

9. Wind Energy as an Alternate to Natural Gas Driven Irrigation
Colin Rawls and Tatiana Borisova, University of Florida and Burcin Unel, University of Florida/Bogazici University, Turkey

Kenesha Reynolds and Ellene Kebede, Tuskegee University

12. Kentucky Consumers’ Acceptance of Sweet Potato Products
Emine Bayar, Timothy A. Woods, Wuyang Hu, and Leigh J. Maynard, University of Kentucky

Arun Adhikari and J. Matthew Fannin, Louisiana State University

Donna Mitchell and John Robinson, Texas A&M University

15. Estimating GDP at the County Level – An Evaluation of Alternative Approaches
John D. Barreca and J. Matthew Fannin, Louisiana State University

16. How Big Is the Number and Why Should We Care? An Evaluation of Methods Used to Measure the Economic Impacts to the Food and Fiber Sector from the 2008 Hurricane Season
Kurt M. Guidry, Rex Caffey, and J. Matthew Fannin, Louisiana State University

Latika Bharadwaj and David Lavergne, Louisiana Department of Wildlife and Fisheries

18. Effect of Biofuel Expansion on Commodity and Food Prices
Tomas Hasing, Samuel Zapata, and Carlos Carpio, Clemson University

19. Understanding the Need for a Farmers Market on a College Campus
Benjamin M. Clark, Tyler Mark, and Joshua Detre, Louisiana State University
9:50 **Sweet Sorghum Juice to Ethanol in Texas: An Economic Feasibility Analysis**

Brian J. Frosch, James W. Richardson, Brittany D. Morris, and Joe L. Outlaw, Texas A&M University

**Monday 8:30 a.m. - 10:10 a.m.**
*Selected Papers 2*
*Tower Room 1202*

Title: **Food Consumption, Safety, and Policy**
Moderator: Michael Best, Tennessee Tech University

8:30 **Do Consumers Really Care about Biotech Food Label? What Do We Know? What Else Should We Know?**
Xi Chen and Bin Zhou, Cornell University, and Funing Zhong, Nanjing Agricultural University

8:50 **Potential Impacts of Food Borne Illness Incidence on Market Movements and Prices of Fresh Produce in the U.S.**
Marco A. Palma, Luis Ribera, and David Bessler, Texas A&M University, Mechel Paggi, California State University, and Ronald Knutson, Texas A&M University

9:10 **How Much Are Consumers Paying for Organic Baby Food?**
Travis A. Smith and Biing-Hwan Lin, USDA-ERS
Chung L. Huang and Victoria LeBeaux, University of Georgia

9:30 **Modeling Reference-Dependent and Labeling Effects in Consumers’ Functional Food Choices**
Ningning (Helen) Zou and Jill E. Hobbs, University of Saskatchewan

Andrew Muhammad, Mississippi State University, and Keithly G. Jones, USDA-ERS

**Monday 8:30 a.m. - 10:10 a.m.**
*Selected Papers 3*
*Tower Room 1203*

Title: **Research Methods and Quantitative**
Moderator: Scott Parrott, University of Tennessee

8:30 **Forecasting Demand for Rural Electric Cooperative Call Center**
Philip Kenkel and Taeyoon Kim, Oklahoma State Univ.

8:50 **The Effects of USDA Acreage Planted, Production, and Grain Stocks Announcements on Commodity Spot Prices and USDA Monthly Price Forecasts**
Sung Chul No, Southern University and A&M

9:10 **Complementarities in Language and Economics Argue for a Multidisciplinary Approach to the Study of Economic Phenomena**
Wayne M. Gauthier, Louisiana State University

9:30 **Aggregation Issues in Non-parametric Productivity Estimation**
Saleem Shaik, North Dakota State University

9:50 **Time-series, Panel and Hierarchical Analysis of U.S. Crop Yield Normality**
Saleem Shaik, North Dakota State University
Sanjoy Bhattacharjee, Mississippi State University

**Monday 8:30 a.m. - 10:10 a.m.**
*Selected Papers 4*
*Tower Room 1204*

Title: **International Agriculture and Trade**
Moderator: Lanier Nally, University of Arkansas

8:30 **From Coffee Beans to Microchips: Export Diversification and Economic Growth in Costa Rica**
Gustavo Ferreira, Louisiana State University

8:50 **Impact of an Expanded United States Sugar Imports from CAFTA Countries on the Ethanol Market**
Osei-Agyeman Yeboah and S. Janine Parker, North Carolina A&T State University

9:10 **Remittances and Economic Growth in Latin America: The Impact of Human Capital Development**
P. Lynn Kennedy and Pablo A. Garcia-Fuentes, Louisiana State University

9:30 **Is the Bolivarian Alternative for the Americas (ALBA) a Real Alternative to the Neoliberal Free Trade Agreement CAFTA?**
Porfirio A Fuentes and Albert J. Allen, Mississippi State University, and Saleem Shaik, North Dakota State University
9:50 Analysis of U.S. Demand for Tropical Fresh Fruit and Vegetable Imports
Kilungu Nzaku and Jack E. Houston, University of Georgia

Monday 8:30 a.m. - 10:10 a.m.
Selected Papers 5
Tower Room 1206

Title: Production Economics
Moderator: Lal Almas, West Texas A&M University

8:30 Adoption of Technology and Its Impact on Profitability of Young and Beginning Farmers: A Quantile Regression Approach
Arun Adhikari, Ashok K. Mishra, and Sachin Chintawar, Louisiana State University

8:50 The Impact of Adoption of Genetically Modified Corn on the Off-farm Labor Supply in the United States
Sachin Chintawar, Ashok K. Mishra, and Jeffrey M. Gillespie, Louisiana State University

9:10 The Competition for Corn Stocks and Its Impact on Hog Production: A Locational Analysis
Joshua D. Detre, Tyler Mark, and Sachin Chintawar, Louisiana State University

9:30 Crop Producer Perceptions of Corn, Soybean and Cotton Price Risk
John Michael Riley and John D. Anderson, Mississippi State University

9:50 Supply Response of Crops in the Southeast
Rachel Smith, Patricia Duffy, Henry Kinnucan, James Novak, and Norbert Wilson, Auburn University

Monday 8:30 a.m. - 10:10 a.m.
Selected Papers 6
Tower Room 1207

Title: Marketing and Industrial Organization
Moderator: Whitney Peake, Murray State University

8:30 Forecasting the Texas Triangle Corn Basis: How Useful Are Economic Fundamentals?
Vardan Mkrtchyan, J. Mark Welch, and Gabriel J. Power, Texas A&M University

8:50 On The Extent of the Market: A Monte Carlo Study and an Application to the U.S. Egg Market
Aklesso Egbendewe-Mondzozo, Texas A&M University

9:10 Consumer Preferences in Purchasing Beef and the Values They Attribute to Branded Beef Products
Roger D. Hanagriff Ryan D. Rhoades, and Doug Wilmeth, Texas A&M University

9:30 Attributes Preferred and Premiums Offered for Naturally Produced Beef Cattle
Job D. Springer, Jon T. Biermacher, Dan Childs, and Deke O. Alkire, The Samuel Roberts Noble Foundation, and Brandon Grooms, Ag Texas Farm Credit

9:50 Carcass Quality Volume and Grid Pricing: An Investigation of Cause and Effect
Scott W. Fausti, Bashir Q. Qasmi, and Jing Li, South Dakota State University

Monday 8:30 - 10:10
Organized Symposium 1
Tower Room 1205

Title: 2008 Farm Bill Implications for Specialty Crop Agriculture
Organizer: Deacue Fields, Auburn University
Moderator: Deacue Fields, Auburn University
Presenters:
1. Ron Rainey, University of Arkansas
2. Kennnett Jefferson-Moore, North Carolina A&T University
3. Jennifer Dennis, Purdue University

10:10 - 10:30 Break: Refreshments served near Tower Rooms 1201/1206

Monday 10:30 a.m. - 11:50 a.m.
Selected Papers 7
Tower Room 1201

Title: Teaching
Moderator: Kim Jensen, University of Tennessee

10:30 Factors Influencing Salaries of Agricultural Economics professionals in Land Grants
Arby Abdula and Jennie Popp, University of Arkansas, Doris Newton, USDA-ERS, Dianne Pittman and Diana Danforth, University of Arkansas

10:50 The Professor's Dilemma: Teaching Game Theory in Principles of Agricultural Economics
Justin Gardner, Middle Tennessee State University
AGRICULTURAL ECONOMICS

11:10 Factors Influencing Salaries of Agricultural Economics Professionals in Federal Employment
Jennie Popp, University of Arkansas, Doris Newton, USDA-ERS, and Dianne Pittman and Diana Danforth, University of Arkansas

11:30 Case Studies of Successful Small Scale Farming in North Carolina
Anthony K. Yeboah, John Paul Owens, Jarvetta S. Bynum, and Daniel Boisson, North Carolina State University

Monday 10:30 a.m. - 11:50 a.m.
Selected Papers 8
Tower Room 1202

Title: Resource Economics
Moderator: Olga Murova, Texas Tech University

10:30 Effects of Hog Production on Air Pollution: Using North Carolina's Policy Changes to Measure Effects
Stacy Sneeringer, Wellesley College

10:50 Demand for Recreational Fishing in Alabama Using Travel Cost Model
Oluwagbemiga Ojumu, Deacue Fields, and Diane Hite, Auburn University

11:10 An Analysis of the EQIP Program for Lesser Prairie Chickens in the Northern Texas Panhandle
DeDe Jones, Nicole Gueck, and Patrick Warminski, Texas A&M University

11:30 Predicting Angler Participation in Louisiana
E. O. Ogunyinka, Louisiana Department of Wildlife and Fisheries

Monday 10:30 a.m. - 11:50 a.m.
Selected Papers 9
Tower Room 1203

Title: Extension
Moderator: John Michael Riley, Mississippi State University

10:30 Role of Extension in a Research University
Cole Gustafson, North Dakota State University

10:50 Potential Uses For Seasonal Climate Forecasts For Water Management in South Florida: Extension Service Perspective
N. E. Breuer, University of Miami, and T. Borisova and P.E. Hildebrand, University of Florida

11:10 Price Variability and the Marketing of Classifications of Goat
Mack C. Nelson, Xuanli Liu, and Erika Styles, Fort Valley State University

11:30 Estimating Cotton Harvest Cost per Acre When Harvest Days Are Stochastic
Gregory Ibendahl, John Anderson, and Matthew Farrell, Mississippi State University

Monday 10:30 a.m. - 11:50 a.m.
Selected Papers 10
Tower Room 1204

Title: Farm Management
Moderator: Scott Fausti, North Dakota State University

10:30 Management Production Systems and Timing Strategies for Cull Cows
Zakou Amadou, Clement E. Ward, and Kellie Curry Raper, Oklahoma State University, and Billy Cook, The Samuel Roberts Noble Foundation

11:10 The Effects of Sex-sorted Semen on Southern Dairy Farms
Brian K. Herbst, David P. Anderson, Joe L. Outlaw, James W. Richardson, and Todd R. Bilby, Texas A&M University

11:30 Effect of Corn Price on Profitability of Control vs. Phytase Enhanced Diet of Hogs
Ajita Atreya, Jeffrey D. Vitale, Arthur Stoecker, and S.D. Carter, Oklahoma State University

11:30 A Long-Term Analysis of Changes in Economies of Size
Lindsey K. Snider and Michael Langemeier, Kansas State University

Monday 10:30 a.m. - 11:50 a.m.
Selected Papers 11
Tower Room 1206
**Agricultural Economics**

**Title:** Production Economics  
**Moderator:** Fritz Roka, University of Florida

10:30  Farm level Nonparametric Analysis of Profit Maximization Behavior with Measurement Error  
Yacob A. Zereyesus and Allen M. Featherstone, Kansas State University

10:50  The Impact of Labor Constraints on the Farm Performance: A Comparison of Organic and Conventional Farms  
Florence Ivy M. Santos, Timothy A. Park, and Cesar L. Escalante, University of Georgia

11:10  Simulation of Golden Kiwifruit Yield and Size Distributions under Historical Temperature Regimes in Alabama  
D. Alan Burnie, Robert G. Nelson, and William A. Dozier, Auburn University

11:30  Economics of Tillage, Row Pattern and Cultivar for Peanut  
Amanda R. Smith, Nathan B. Smith, R. Scott Tubbs, John P. Beasley, Jr., and John E. Paulk, III, University of Georgia

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**Title:** Rural and Community Development  
**Moderator:** Ken Hood, Mississippi State University

10:30  Energy Consumption and Economic Growth: Evidence from COMESA Countries  
Chali Nondo and Mulugeta S. Kahsai, West Virginia University

10:50  Can a State Funded Rural Economic Development Program Positively Impact the State’s Economy? A Case Study Application Using Texas Department of Agriculture’s Rural Tourism Economic Development Program  
Roger D. Hanagriff, Texas A&M University and Michael H. Lau, Sam Houston State University

11:10  Input-Output Analysis, Linear Programming and Modified Multipliers  
Erqian Zhu, Man-Keun Kim, and Thomas R. Harris, University of Nevada

11:30  Location Patterns of U.S. Firms: From Birth to Death

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**Monday 10:30 a.m. - 11:50 a.m.**  
**Organized Symposium 2**  
**Tower Room 1205**

**Title:** Agricultural Labor Use and Trends in Southern Agriculture  
**Organizer:** Marco Palma, Texas A&M University and H.L. Goodwin, University of Arkansas  
**Moderator:** Marco Palma, Texas A&M University  
**Presenters:**  
1. Luis Ribera, Texas A&M University  
2. C. Parr Rosson, Texas A&M University  
3. Flynn Adcock, Texas A&M University  
4. H.L. Goodwin, University of Arkansas

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**Monday 1:15 p.m. - 3:00 p.m.**  
**Invited Papers 1**  
**Tower Room 1202**

**Title:** Volatile Commodity Markets and Their Impact on the U.S. Grain Industry  
**Organizers:** Andrew McKenzie, University of Arkansas and Gail L. Cramer, Louisiana State University  
**Moderator:** Gail L. Cramer, Louisiana State University  
**Discussant:** T. Randall Fortenbery, University of Wisconsin
AGRICULTURAL ECONOMICS

Presenters:
   Andrew McKenzie, University of Arkansas and
   Eugene Kunda, University of Illinois

2. Grain Contracting Strategies to Induce Delivery and Performance in Volatile Markets
   William W Wilson, North Dakota State University

3. Ethanol and Corn Price Volatility
   Hikaru Peterson, Kansas State University, Philip Garcia, and Scott H. Irwin, University of Illinois

Monday 1:15 p.m. - 3:00 p.m.
*Invited Papers 2*
Tower Room 1201

Title: Human Capital and Rural Economic Development
Organizers: Elton Mykerezi, University of Minnesota
Moderator: Thomas G. Johnson, University of Missouri
Discussant: Thomas G. Johnson, University of Missouri

Presenters:
1. The Importance of Preschool Enrollment for Rural Schools in the South
   Judy A. Temple, University of Minnesota

2. Do Rural Community Colleges Supply Unique Educational Benefits?
   Elton Mykerezi, University of Minnesota, Bradford Mills, Virginia Tech, and Gentian Kostandini, University of Georgia

3. Race, Gender, School Discipline, and Human Capital Effects
   Jeffrey L. Jordan, University of Georgia and Bulent Anil, University of Minnesotas

3:00 - 3:20 Break: Refreshments served near Tower Rooms 1201/1206

Monday 3:20 p.m. - 5:00 p.m.
*Selected Papers 13*
Tower Room 1202

Title: Farm Management
Moderator: Bob Stark, University of Arkansas

AGRICULTURAL ECONOMICS

3:20 A Risk Analysis of Converting CRP Acres to a Wheat-Sorghum-Fallow Rotation
Jeffery R. Williams and Richard Llewelyn, Kansas State University, Dustin L. Pendell, Colorado State University, and Alan Schlegel and Troy Dumler, Kansas State University

3:40 Optimal Cash Purchase Strategies to Reduce Fertilizer Price Risk
Phil Kenkel and Taeyoon Kim, Oklahoma State University

4:00 An Analysis of Geographical Diversification in Commercial Agriculture
Ryan Larsen, Jared L. Wolffey, James W. Mjelde, and David Leatham, Texas A&M University

4:20 Evaluating Dryland Crop/Livestock System Alternatives for Risk Management under Declining Irrigation in the Texas Panhandle
David Lust, Lal K. Almas, W. Arden Colette, and Bob A. Stewart, West Texas A&M University

4:40 Evaluation of Risk Management Methods for Satsuma Mandarin
Jeanne K. Lindsey, Patricia A. Duffy, and Robert G. Nelson, Auburn University, Robert C. Ebel, University of Florida, and William A. Dozier, Auburn University

Monday 3:20 p.m. - 5:00 p.m.
*Selected Papers 14*
Tower Room 1201

Title: International Agriculture and Trade
Moderator: Jose Lopez, Texas Tech University

3:20 A Foot and Mouth Disease Induced Model of the U.S. Excess Supply of Beef
Osei-Agyeman Yeboah, Victor Ofori-Boadu, and Samaila Salifou, North Carolina A&T State University

3:40 Analysis of the Economic Impact of U.S. Dollar Depreciation and Transportation Costs on the U.S. Agricultural Trade
Youngjae Lee, P. Lynn Kennedy, and Brian Hilbun, Louisiana State University

4:00 International Grain Sorghum Trade: United States Beyond the Mexican Dependency?
Teresa Duch-Carvallo and Jaime Malaga, Texas Tech University
Monday 3:20 p.m. - 5:00 p.m.
Selected Papers 15
Tower Room 1203

Title: Agricultural Policy
Moderator: John Westra, Louisiana State University

3:20 Measuring the Potential Economic Impact of a Regional Agricultural Promotion Campaign: The Case of South Carolina
Carlos E. Carpio and Olga Isengildina-Massa, Clemson University

3:40 The Potential Economic Impacts of the Managed Haying and Grazing of CRP
Amanda Dickson and Mike Dicks, Oklahoma State University

4:00 The Impact of the Average Crop Revenue Election (ACRE) Program on the Effectiveness of Crop Insurance
Sung Wook Hong, Gabriel J. Power, and Dmitry V. Vedenov, Texas A&M University

4:20 Impacts of Federal Government Programs and Specific Farm Variables on Technical Efficiency of Dairy Farms
Olga Murova and Benaissa Chidmi, Texas Tech University

4:40 Government Decision Model for Invasive Species: Choose the Most Efficient Measure from Alternative Government Programs
Yichen Zhang, Andrew Muhammad, and Keith Coble, Mississippi State University

Monday 3:20 p.m. - 5:00 p.m.
Selected Papers 16
Tower Room 1204

Title: Rural and Community Development
Moderator: Albert Myles, Mississippi State University

James O. Bukenya, Alabama A&M University

3:40 Exploring the Impact of Psychological Factors on Small Business Expansion or Growth: The Case of West Virginia
Semoa De Sousa-Brown and Tesfa G. Gebremedhin, West Virginia University

4:00 Relieving Poverty in the Southern United States
Suhyun Jung and Seong-Hoon Cho, University of Tennessee

4:20 Understanding the Interaction between Cotton Ginning and Rural Economies of the Mid-South under a Changing Cotton Environment
J. Matthew Fannin and Kenneth W. Paxton, Louisiana State University, and Tommy Valco, USDA-ARS
Evaluating the Economic Impact of Changing Mississippi’s Tobacco Tax Policy
Albert Myles and Albert Allen, Mississippi State University

Monday 3:20 p.m. - 5:00 p.m.
Selected Papers 18
Tower Room 1206

How Much Did Speculation Contribute to Recent Food Price Inflation?
Vincent Amanor-Boadu and Amber Tyler, Kansas State University

State Funded Marketing and Promotional Activities to Support a State’s Winery Business: Are There Economic Returns?
A Case Study Using Texas Senate Bill 1370’s Support of the Texas Wine Industry
Roger D. Hanagriff, Texas A&M University and Michael Lau, Sam Houston State University

Off-farm Work Among U.S. Farm Women: Joint Decision Making and Health Insurance
Latika Bharadwaj, Louisiana Department of Wildlife and Fisheries and Jill Findeis, Pennsylvania State University

Impacts of the Fair and Equitable Tobacco Reform Act of 2004 on Shareholders’ Wealth in the Tobacco Industry
Kelly J. Tiller and Shiferaw Feleke, University of Tennessee

Farmer Operators Attitude Toward Farm Policy: A National Perspective
Tyler Mark, Ashok K. Mishra, and Joshua D. Detre, Louisiana State University

Title: Budgets for Free!
Organizer: Ken Hood, Mississippi State University
Moderator: Greg Ibendahl, Mississippi State University
Presenters:
1. David Laughlin, Mississippi State University
2. Damona Doye, Oklahoma State University
3. Ken Paxton, Louisiana State University
4. Steve Turner, Mississippi State University

Monday 5:15 p.m. - 7:00 p.m.
SAEA Business Meeting and Awards Program
Peachtree Ballroom C/D

Monday 7:00 p.m. - 9:00 p.m.
Student Reception
Peachtree Ballroom A/E

Tuesday 8 a.m. - 5 p.m.
Registration
International Balcony (L6)

Tuesday 8:00 a.m. - 10:00 a.m.
Keynote Speaker Breakfast
Plaza Ballroom

10:00 - 10:15 Break

Tuesday 10:15 a.m. - 12 noon
Poster Session
Peachtree Balcony (L8)

Tuesday 10:15 a.m. - 12 noon
Invited Papers 3
Tower Room 1201

Title: Biofuels: Potential Production Capacity, Effects on Grain and Livestock Sectors, and Implications for Food Prices and Consumers
Organizers: R. Wes Harrison, Louisiana State University and Michael Dicks, Oklahoma State University
Moderator: Rodney Holcomb, Oklahoma State University
Presenters:

1. **Land Use Implications of Expanding Biofuel Demand**
   Daniel De La Torre Ugarte, University of Tennessee, Michael R. Dicks, Oklahoma State University, and Jody Campiche, Texas A&M University

2. **Conditions Necessary for Private Investment in the Ethanol Industry**
   Phil Kenkel and Rodney B. Holcomb, Oklahoma State University

3. **Biofuels: Potential Production Capacity, Effects on Grain and Livestock Sectors, and Implications for Food Prices and Consumers**
   Dermot Hayes, Bruce Babcock, Jacinto Fabiosa, Simla Tokgoz, Amani El-Obeid, Tun-Hsang Yu, Fengxia Dong, Wyatt Thompson, Seth Meyer, Edward Chavez, Suwen Pan, Iowa State University

4. **The Food vs. Fuel Debate: Implications for Consumers**
   R. Wes Harrison, Louisiana State University

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

*Invited Papers 4*

**Tower Room 1205**

**Title:** Exchange Rates, Energy Policy, and Outcomes in Agricultural Markets

*Organizers:* Darren Hudson, Mississippi State University

*Moderator:* Darren Hudson, Mississippi State University

*Discussant:* C. Parr Rosson, Texas A&M University

*Presenters:*

1. **The Relationship between Exchange Rates, Oil Prices, and Corn Price Over Time**
   Ardian Harri, Mississippi State University, Lanier Nalley, University of Arkansas, and Darren Hudson Mississippi State University

2. **The Impacts of Exchange Rates on Farm Input Prices**
   Osei Yeboah, North Carolina A&T University, Saleem Shaik, North Dakota State University, Albert Allen, Mississippi State University and Shawn Wozniak, North Carolina A&T University

3. **Exchange Rates and Farm Income**
   Won W. Koo and Dae-Heum Kwon, North Dakota State University

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

*Lifetime Achievement Symposium*

**Tower Room 1206**

**2008 and 2009 Award Winners**

James E. Richardson, Texas A&M University, 2008 winner

TBA - 2009 winner(s)

**Tuesday 12 noon - 1:20 p.m.**

*Lunch Break*

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**Tuesday 1:20 p.m. - 3:00 p.m.**

*Selected Papers 19*

**Tower Room 1201**

**Title:** Farm Management

*Organizers:* Darren Hudson, Mississippi State University

*Moderator:* Ban Banerjee, Alabama A&M University

1:20 **Examining Share Lease Arrangements for Grain Operations in the Texas Panhandle under Changing Market Conditions**
   Nicole Gueck, DeDe Jones, Steven Klose, and Jay Yates, Texas A&M University System

1:40 **The Influences of Land Tenancy and Rotation Selection on Crawfish Farmers' Adoption of Best Management Practices**
   Narayan Nyaupane and Jeffrey Gillespie, Louisiana State University

2:00 **Agricultural Drainage Management: How Economical Is It in Southern Agricultural Systems?**
   Augustus Matekole and John Westra, Louisiana State University, and Timothy Appelboom USDA-ARS

2:20 **Conventional Tillage vs. No-till: Characteristics of Producers and Farms**
   Abdoulaye Ibrahim Djido, Jeffrey D. Vitale, and Francis M. Epplin, Oklahoma State University

2:40 **Canola-Wheat Rotation vs. Continuous Wheat for the Southern Plains**
   Jason Duke, Francis M. Epplin, and Thomas F. Peeper, Oklahoma State University
Title: International Agriculture and Trade  
Moderator: Daniel Mooney, University of Tennessee

1:20 Analysis of Substitutability between U.S. Domestic Catfish and Imported Fish Using Cointegration and Structural Demand System Analyses  
Youngjae Lee, P. Lynn Kennedy, and Brian Hilbun, Louisiana State University

1:40 Evaluating the Economic Impact of Crawfish Imports and Bio-energy Expansion Policy on a Rice/crawfish Crop Rotation System in Louisiana  
Youngjae Lee, P. Lynn Kennedy, and Michael Deliberto, Louisiana State University

2:00 South Korean Import Demand for Wheat, Corn and Soybean  
Jae Hong Park, unaffiliated, and Shida Henneberry, Oklahoma State University

2:20 Impacts of China's Food Consumption on U.S. Soybean Exports  
Wei Chen, and Mary Marchant, Virginia Tech University and Baohui Song, California State University

2:40 The Trade Effects of Mercosur and Other Regional Trade Agreements on U.S. Cotton Exports to CBI Countries  
Osei-Agyeman Yeboah, NC A&T State University, Saleem Shaik, North Dakota State University, and Seon Batson, NC A&T State University

Title: Production Economics  
Moderator: Mohammed Ibrahim, Fort Valley State University

Tuesday 1:20 p.m. - 3:00 p.m.  
Selected Papers 21  
Tower Room 1205
2:00 An Evaluation of Nutrient Trading Options in Virginia: A Role for Agriculture?
Kurt Stephenson, Virginia Tech, Stephen Aultman, University of Minnesota, and Todd Metcalfe and Alex Miller, Virginia Tech

2:20 Amenity Benefits and Public Policy: An Application to the Georgia Pecan Industry
Doris Sande, Nzaku Kilungu, and Jeff Mullen, University of Georgia

2:40 Land Use Change, Benefit Transfer and Ecosystem Valuation in North Georgia
Daniel Ngugi, University of Georgia

Tuesday 1:20 p.m. - 3:00 p.m.
Selected Papers 23
Tower Room 1207

Title: Rural and Community Development
Moderator: James Bukenya, Alabama A&M University

1:20 Measuring the Economic Impact of Tourism and Special Events: Lessons from Mississippi
Albert E. Myles and Rachael Carter, Mississippi State University

1:40 Income Convergence and Growth in Alabama: Evidence from Sub-county Level Data
Buddhi Gyawali, Rory Fraser, Swagata “Ban” Banerjee, and James O. Bukenya, Alabama A&M University

2:00 An Analysis of the Role of Entrepreneurship in Economic Development in West Virginia
Maribel N. Mojica, Tesfa G. Gebremedhin, and Peter V. Schaeffer, West Virginia University

2:20 Is Income Inequality Endogenous in Regional Growth?
Yohannes G. Hailu, Michigan State University and Mulugeta S. Kahsai, Tesfa G. Gebremedhin, and Radall W. Jackson, West Virginia University

Tuesday 1:20 p.m. - 3:00 p.m.
Selected Papers 24
Tower Room 1208

Title: Food Consumption, Safety, and Policy
Moderator: Carlos Carpio, Clemson University

1:20 The Role of Media in Shaping the Consumers' Food Risk Profile: A Case Study of Spinach Recall
Arbindra P. Rimal and Benjamin Onyango, Missouri State University, Dragan Miljkovic, North Dakota State University, and William Hallman, Rutgers University

1:40 Self-efficacy as a Mediator of the Relationship Between Dietary Knowledge and Behavior
Arbindra P. Rimal, Missouri State University, Wanki Moon, Korea University, Siva K. Balasubramanian, Southern Illinois University

2:00 Factors Affecting U.S. Yogurt Consumption
Christopher G. Davis and Donald Blayney, USDA-ERS

Senarath Dharmasena and Oral Capps, Jr., Texas A&M University, and Annette Clauson, USDA-ERS

2:40 Effects of Self Perception and Behavior on Adolescents' Sugar-Sweetened Beverage Intake
Fengxia Dong and Tun-Hsiang (Edward) Yu Iowa State University

Tuesday 1:20 p.m. - 3:00 p.m.
Selected Papers 25
International Room H

Title: Resource Economics
Moderator: Kurt Stephenson, Virginia Tech University

1:20 Going, Going, Almost Gone: How the Depletion of the Alluvial Aquifer Will Affect Cropping Decisions in the Arkansas Delta
Michael P. Popp, Lanier L Nalley, and Gina B. Vickery, University of Arkansas
1:40 **Optimal Allocation of Reservoir Water**  
Deepayan Debnath, Art Stoecker, Tracy Boyer, and Larry Sanders, Oklahoma State University

2:00 **Water Conservation Policy Alternatives for the Ogallala Aquifer in the Texas Panhandle**  
Robert H. Taylor and Lal Almas, West Texas A&M University

2:20 **The Economic Value of Basin Protection to Improve the Quality and Reliability of Potable Water Supply: Some Evidence from Ecuador**  
Samuel D. Zapata, Holger M. Benavides, Carlos E. Carpio, and David B. Willis, Clemson University

2:40 **An Integrated Spatial Optimization Approach for Water Quality Management for Opequon Creek Watershed**  
Wilbert Karigomba, West Virginia University, T. Borisova, University of Florida, A. Collins and G. D'Souza, West Virginia University, C. O. Masilela, Indiana University of Pennsylvania, and M. Strager, West Virginia University

**Tuesday 1:20 p.m. - 3:00 p.m.**  
**Organized Symposium 4**  
**Tower Room 1202**

**Title:** Serving the Needs of the Next Generation of Agricultural and Resource Economics Leaders  
Organizer: Henry Bahn, USDA-CSREES  
Moderator: John Lee, Mississippi State University  
Presenters:  
1. Janie Simms Hipp, USDA-CSREES  
2. Henry Bahn, USDA-CSREES  
3. Molly Espey, Clemson University

3:00 - 3:20 Break - Refreshments served near Tower Rooms 1201/1208

**Tuesday 3:20 p.m. - 5:00 p.m.**  
**Selected Papers 26**  
**Tower Room 1201**

**Title:** Farm Management  
Moderator: Dwi Susanto, Texas A&M University  

3:20 **Immigration Policy and Agricultural Labor: A Study of the Dairy Farmers’ Perception on the Hiring of Agricultural Labor**  
Dwi Susanto, C. Parr Roson, Flynn J. Adcock and David Anderson, Texas A&M University

3:40 **Energy Cane Usage for Cellulosic Ethanol: Estimation of Feedstock Costs**  
Michael E. Salassi and Tyler Mark, Louisiana State University

4:00 **Evaluating Broiler Producers’ Willingness to Pay (WTP) Value for Water Quality Improvement**  
Krishna Paudel and Nirmala Devkota, Louisiana State University

4:20 **Marginal Propensity to Consume for a Sample of Farms**  
Michael Langemeier and Lindsey K. Snider, Kansas State University

4:40 **Economics of the Variable Rate Technology Investment Decision for Agricultural Sprayers**  
Daniel F. Mooney, James A. Larson, Roland K. Roberts, and Burton C. English, The University of Tennessee

**Tuesday 3:20 p.m. - 5:00 p.m.**  
**Selected Papers 27**  
**Tower Room 1203**

**Title:** International Agriculture and Trade  
Moderator: Wei Chen, Virginia Tech University
An Empirical Examination of the Import Demand Model and Welfare Effects for Rice Importing Countries
Hyunsoo Kang, P. Lynn Kennedy, and Brian Hilbun, Louisiana State University

Partial Factor Productivity, Agronomic Efficiency and Economic Analyses of Maize in Wheat-Maize Cropping System in Pakistan
Amanullah, NWFP Agricultural University, and Lal K. Almas, West Texas A&M University

Determining the Feasibility of Yellow Corn Production in Mexico
Maria Mejia and Derrell S. Peel, Oklahoma State University

A Nonparametric Efficiency Analysis of Bean Producers from North and South Kivu
Kara Ross, Timothy J. Dalton, and Allen M. Featherstone, Kansas State University

Impact of Biofuel Production on Land Prices: An International Comparison between the United States and Brazil
Alexandre Vialou, University of Maryland, Richard Nehring, USDA-ERS, and Jeffrey Gillespie, Louisiana State University

Managing Catastrophic Risks in Agriculture in Developing Countries
Oscar Vergara, Jack Seaquist, Gerhard Zuba, and Victor Cardenas, AIR Worldwide Corporation, and Carlos Omar Trejo Pech, Universidad Panamericana

The Impact of Ethanol on the U.S. Catfish Farm Sector
Hualu Zheng, Andrew Muhammad, and Cary "Bill" Herndon, Mississippi State University

Deforestation in Sub-Sahara Africa
Malick Diarrassouba, Auburn University, and Inoussa Boubacar, University of Nebraska

The Compensative Effects of Tobacco Leaf Price Changes on Tax Revenue in China
Hailong Cai and Henry W. Kinnucan, Auburn University

Has the "Farm Problem" Disappeared? A Comparison of Household and Self-Employment Income Levels of the Farm and Nonfarm Self-Employed
Whitney O. Peake, Murray State University and Maria I. Marshall, Purdue University

Analysis of Health Expenditures Trends among OECD Countries
Kang-Sun Lee, Baifu Xu, and Bhaskar Toodi, LA Dept. Health & Hospitals
Willingness to Pay Estimation with Multiple Bid Response
Nirmala Devkota, Krishna P. Paule, and Shanta Parajuli, Louisiana State University

The Cost of Coexistence between Bt Maize and Open Pollinated Maize Varieties in Lowland Coastal Kenya
Emmanuel Tumusiime, Oklahoma State University

Assessing Willingness to Accept Values by Broiler Producers to Terminate Broiler Production
Nirmala Devkota and Krishna Paudel, Louisiana State University

The Economics of Small Ownership and Logging by Small Woodlot Owners
Godfrey Ejmakor, John Owens, Raphael Okafor, and Harry Sutton, North Carolina A&T State University

Tuesday 3:20 p.m. - 5:00 p.m.
Selected Papers 31
Tower Room 1208

Title: Rural and Community Development
Moderator: Roger Hanagriff, Texas A&M -Kingsville

School Improvement after Disaster: A Comparative Look at School Finance, Policy, and Student Performance in Louisiana’s Urban and Rural School Districts after the 2005 Hurricanes
Mark Schafer, Ashley Barras, and J. Matthew Fannin, Louisiana State University

Scope Economies of Lending and Collecting Savings: Evidence from Rated MFIs
Valentina Hartarska, Auburn University, Christopher Parmeter, Virginia Tech, and Roy Mersland, Agder University, Norway

Income Inequality, Growth and Health Outcomes: U.S. Counties Evidence
Ahadu T. Tekle and Cheryl Brown, West Virginia University

Distribution of Local Government Revenue Sources and Citizen Well-Being
Vincent Amanor-Boadu, Yacob Zereyesus, and Kara Ross, Kansas State University

A Cost Analysis of Rapid Land-Building Technologies for Coastal Restoration in Louisiana
Daniel Petrolia and Tae-goun Kim, Mississippi State University and Rex Caffey, Louisiana State University

Tuesday 3:20 p.m. - 5:00 p.m.
Selected Papers 32
International Room H

Title: Agribusiness and Finance
Moderator: Nicole Gueck, Texas A&M University

Enterprise-level Risk Assessment of Geographically Diversified Commercial Farms: A Copula Approach
Ryan Larsen, Dmitry Vedenov, David Leatham, and James W. Mjelde, Texas A&M University

Cotton Price Risk Management across Different Countries
Qizhi Wang and Benaissa Chidmi, Texas Tech University

Predicting Financial Stress in Young and Beginning Farmers in the United States
Jeremy D’Antoni, Ashok K. Mishra, and Sachin Chintawar, Louisiana State University

Precautionary Wealth among U.S. Farm Households
Cheikhna Dedah and Ashok K. Mishra, Louisiana State University

Climate Effects on Rainfall Index Insurance Purchasing Decisions
James Novak and Denis Nadolnyak, Auburn University
Title: Food Consumption, Safety, and Policy
Moderator: Justin Gardner, Middle Tennessee State University

3:20 An Examination of the Relationship between Food Prices and Government Monetary Policies in Iran
Naser Shahnoushi, Ferdowsi University of Mashhad, Iran, Shida Henneberry, Oklahoma State University, and Hooman Manssori, Ferdowsi University of Mashhad, Iran

3:40 Food Safety Risk Perceptions as a Tool for Market Segmentation: The USA Poultry Meat Market
Benjamin Onyango and Arbindra Rimal, Missouri State University, Dragan Miljkovic, North Dakota State University, and William Hallman, Rutgers University

4:00 Estimation of a Censored Demand System in Stratified Sampling: An Analysis of Mexican Meat Demand at the Table Cut Level
Jose A. Lopez and Jaime E. Malaga, Texas Tech University

4:20 Obesity, BMI, and Diet Quality: How Does the South Measure Up?
Patricia Duffy, Claire Zizza, and Henry Kinnucan, Auburn University
AGRICULTURAL EDUCATION

2009 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:
The University of Georgia Department of Agricultural Leadership, Education, and Communication

January 31 – February 3, 2009 – Atlanta, Georgia
The Westin Peachtree Plaza

Mr. Paul Wood, President & CEO
Georgia Electric Membership Corporation
2100 East Exchange Place, Tucker, GA 30084

Mr. Gary W. Black, President
Georgia Agribusiness Council, Inc.
1655 S Elm Street, Commerce, Georgia 30529

Southern Region Conference
American Association for Agricultural Education

2009 Host State: Georgia

January 31 – February 3, 2009
Westin Peachtree Plaza – Atlanta, Georgia

Southern Association of Agricultural Scientists (SAAS) Agricultural Education Division Officers

President and Conference Chair: Dennis Duncan, North Carolina A & T State University
Research Meeting Chair: John Ricketts & Jason Peake, University of Georgia
Vice-President: Craig Edwards, Oklahoma State University

American Association for Agricultural Education (AAAE) Southern Region Officers
Vice-President: Elizabeth Wilson, NC State University
Alternate Vice-President: Todd Brashears, Texas A&M University
Secretary: John Ricketts, University of Georgia

AGRICULTURAL EDUCATION

Sunday, February 1

8:00 - 10:00 a.m.
Registration
Vinings Balcony

8:00 - 9:00 a.m.
Graduate Student Breakfast (must have reregistered to attend) - Vinings II
Presiding: Dennis Duncan, University of Georgia
Speaker: Tracy Irani, University of Florida

9:15 - 9:45 a.m.
Vespers Service
Tower Room 1406
Presiding: James Flowers, University of Georgia
Facilitator: Buzz Amason, Christian Faculty Forum, UGA

10:00 - 10:20 a.m.
Opening Session
Atlanta Ballroom E
Presiding: Dennis Duncan, University of Georgia
Call To Order: Elizabeth Wilson, NC State University
Welcome: Dennis Duncan, University of Georgia
Remarks:
Outstanding Paper Selection: Craig Edwards, Oklahoma State University
Research Meeting: John Ricketts, University of Georgia
Poster Sessions: David Jones, NC State University

10:30 - 12:00 p.m.
Concurrent Research Session I

Session A: Extension Education
Tower Room 1407

Teaching Strategies Used by Extension Agents for a Beef Producer Course – Robert Strong, University of Florida; Amy Harder, University of Florida & Hannah Carter, University of Florida

Challenges and Threats Facing County Extension Offices – Amy Harder, University of Florida; Alexa Lamm, University of Florida & Robert Strong, University of Florida

Is Extension Still Reaching Stakeholders? An Assessment of Minor Crop Producers’ Education Needs – Tanya C. Franke, Oklahoma State University; Kathleen D. Kelsey, Oklahoma State University & Tom A. Royer, Oklahoma State University

Saturday, January 31

3:00 – 6:00 p.m.
Registration
Vinings Balcony

8:00 – 9:00 p.m.
Icebreaker Reception
Vinings I
Facilitator: Dennis Duncan
Session B: Teacher Preparation
Tower Room 1408

The Application of Supervisory Options for Instructional Leaders Framework Within the Fields of Agriculture, Science, Math and English Education – David Little, University of Tennessee & Carrie Ann Stephens, University of Tennessee

Content Preparation of Pre-Service Agricultural Education Teachers and Its Influence on Their Content Knowledge – Amber Houck, Nelson County High School & Tracy Kitchel, University of Kentucky

Developing a Model of Career Decision-Making for Students of Agricultural Education: A Synthesis of Research – Kerry Priest, Virginia Tech; & John C. Ricketts, University of Georgia

Session C: Teacher Induction
Tower Room 1406

A Qualitative Inquiry Into the Effectiveness of a Formal Mentor Program, As Administered by Practicing Agricultural Educators, To Retain Early Career Teachers – Nina Crutchfield, Texas Tech/Texas A&M University; Renee Miller, Thorntown, Indiana & Scott Burris, Texas Tech University

Reflections of Alternatively Certified Agricultural Education Teachers on Their First Year in the Teaching Profession – J. Shane Robinson, University of Oklahoma

12:00 - 1:30 p.m
Brown Bag Luncheon & Committee Meetings
(Lunch will be delivered to Tower Room 1405)

AAAE Regional Committee Meetings
(all members are welcome and encouraged to attend committee meetings)

Professional Development Committee*
Tower Room 1403
Rob Horstmeier - Chair
Grady Roberts - Secretary
Tracey Irani
Mark Kistler
Grady Roberts
Elizabeth Wilson

Program Improvement Committee*
Tower Room 1404
David Jones – Chair
Dennis Duncan - Secretary
Jennifer Williams
Tracy Rutherford
Amy Harder
Barry Croom

Research Committee*
Tower Room 1406
Tracy Kitchel – Chair
Scott Burris - Secretary
John Rayfield
Anna Ball
Nicole Stedman
Shane Robinson

Member Services Committee*
Tower Room 1407
Kirk Swortzel – Chair
Curt Friedel - Secretary
Jason Peake
Jeff Miller
Carrie Fritz
John Ricketts

Department/Program Heads
Tower Room 1408
TBA, Presiding
*Function and Duties of the Standing Committees are found at the end of this program*

1:30 - 2:30 p.m.
SIGS
Vinings II
Facilitator: Elizabeth Wilson
Ag Communication
Ag Leadership
Ag Education in Domestic and International Settings: Extension & Outreach
Ag Education in University and Postsecondary Settings
Ag Education in Schools

2:00 – 2:30 p.m.
Innovative and Research Poster Set-Up
Peachtree Balcony
Chair: David Jones, NC State University

Break Refreshments will be delivered to Peachtree F at 2:00 in preparation for the Poster Session. You are to pick up refreshments there and then go to the Peachtree Balcony and view the Posters.
2:30 – 4:00 p.m.
Innovative and Research Poster Session
Peachtree Balcony

Research Posters

A Comparison of Research Themes in the Journal of Agricultural Education to the National Research Agenda: Agricultural Education and Communication, 2007-2010 – Leslie Edgar, University of Arkansas

A Profile of an Urban AgriScience program and FFA Inactivity – Rudy Ritz, Texas Tech University

Accountability in Extension Program Evaluation – Sarah Baughman, Virginia Tech University

Are We Making the Grade? Identifying Strategies and Confidence Levels of Teachers When Working with Students with Special Needs – Kristin Stair, & Gary Moore, North Carolina State University

Citation Analysis of the Journal of Southern Agricultural Education Research – Marshall Swafford, Louisiana State University, & Ryan Anderson, Murray State University

Cooperating – Teacher Perceptions of Cognitive Skills Required by Student – Teachers Natalie A. Knackstedt, Texas A&M University, & T. Grady Roberts, University of Florida

Differentiating Instruction in High School Agricultural Education Courses – Kathy Murray, Barry Croom, John Rayfield, & David Jones, North Carolina State University

Factors Affecting Teen Involvement in Pennsylvania 4-H Programming – Bart Gill, Texas A&M University


Measuring Up: A Comparison of Agricultural Freshmen to the National Norms for College Freshmen – Landi Woolley, & Todd Brashears, Texas Tech University

Networks of Communication and Knowledge Transfer Among Students in a College of Agriculture Introductory Course – Don Edgar, University of Arkansas

Parents Perceptions of Life Skills Gained at State 4-H Horse School – Kari Turner, Dennis Duncan, Jenna Brown, & Carmen Benson, University of Georgia

Predictors and Program Outcomes of Empowering Practices of FFA Chapter Advisors – Kimberly Anderson, & Lorilee Sandman, University of Georgia

Principals’ Perceptions Regarding Agricultural Safety Education Programs – Robert Williams, Texas A&M University-Commerce

Readability of State Agricultural Education Exams – Mary Brister, Mississippi State University

SCANS Competencies within National & Florida 4-H Curricula – Diane Mashburn, University of Florida

Science, Math, Social Studies, and Language Arts Achievement of High School Students in Complete Programs of AgriScience Education – Todd Schultz, Dennis Duncan, John Ricketts, & Ray Herren, University of Georgia

Secondary Agriculture Teachers and 4-H Youth Development Personnel – Billy McKim, Amy Smith, & Robert Torres, Texas A&M University

Teacher Attitudes toward Math Integration in Agricultural Education – Abigail McCulloch, Texas Tech University

Teacher’s College: Learning to Teach, Teaching to Learn – Mary Rodriguez, University of Florida

The Impact of Communications Skills Development on College Students’ Communication Apprehension – Richard Rateau, Virginia Tech University

The Preparation of Future Agriculture Teachers to Teach Students with Learning Disabilities: Reports from Pre-Service Teachers – Paula E Faulkner, North Carolina A&T University

The Teachers’ Search for Reliable Supplemental Material – Lisa Hightower, University of Florida

Using Reflective Practices to Enhance Higher Order Questioning Frequency of Pre-Service Teachers – Cory Epler, & Thomas Broyles, Virginia Tech University

Innovative Posters

A Model for Agriculture Teacher Retention – Shane A. Conger, Jason B. Peake, & Diana L. King, University of Georgia

A Proposed Model for Developing a Well-Prepared Agricultural Workforce in an International Setting – Kirby Barrick, Mohamed Samy, Michael Gunderson, & Andrew Thoron, University of Florida
Agricultural Biotechnology in Today's Society: An Interdisciplinary Course – Elizabeth Wilson, & Kevin Curry, North Carolina State University

An ASABE-Recognized Agricultural Systems Management Program in a Department of Agricultural and Extension Education – Donald Johnson, George Wardlow, & Don Edgar, University of Arkansas

Analysis & Application: Next Generation Energy Solutions on the Road – Don Edgar, University of Arkansas

Can Mobile Learning Enhance Leadership Programming? – Hannah Carter, & Lisa Hightower, University of Florida

Chesapeake Bay Restoration Fund Project – Jessica Waknine, Virginia Tech University

Cultural Experiences of the West: A Student Centered Course Design – Bryan Hains, & Brittany Wilkinson, University of Kentucky

Developing a County Program Assessment Model for Cooperative Extension – Matt Benge, & Amy Harder, University of Florida

Effective and Efficient Technology in 2008 for Pre-Service Teacher Reflection – Sheyenne Krysher, Oklahoma State University

Incorporating Technology, YouTube®, and Learning in the AgriScience Classroom – Anna Warner & Andrew Thoron, University of Florida

Leadership Development for Unit Leaders in Colleges of Agriculture – Edward Osborne, University of Florida

Learning on the Go: Travel Time as an Anticipatory Set – Katherine E. McKee, Donna M. Moore, Virginia Tech University, & Rachel E Lyons, Rutgers University

The Best of Both Worlds: Integrating Authentic and Service Learning – Elizabeth Wilson, North Carolina State University

The Evolution of a “Value-Added” Plumbing Pony Exercise: An Approach to Modeling Performance-Based Assessment to Pre-Service Agricultural Education Teachers – Jon Ramsey, Chris Haynes, Oklahoma State University, & Brent Young, North Dakota State University

Using Team-Based Learning to Engage Students – Holly Kasperbauer, & Eric Kaufman, Virginia Tech University

Values Based Leadership as a Basis for Service-Learning: A Case Study with Chick-fil-A – Marcus Jones, & Jennifer Williams, University of Georgia

2:30 - 3:30 p.m
SAAS Board of Directors Meeting
Tower Room 1401
(Dennis Duncan/Craig Edwards/John Ricketts)

3:30 p.m.
SAAS General Session
Vinings I & II

5:00 p.m.
SAAS Reception - Super Bowl Party
Peachtree Ballroom

MONDAY, FEBRUARY 2

7:30 a.m.
Registration
Vinings Balcony

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

Session D: Adult Leadership Education
Tower Room 1407

A Leadership Development Needs Assessment for Virginia Farm Bureau Young Farmers – Rose Bradshaw, Agriculture and Natural Resource Agent – Virginia & Rick Rudd, Virginia Tech

The Conceptualization and Investment of Leadership Development by Department Heads in Colleges of Agriculture at Land Grant Universities – Jennifer Williams, University of Georgia & Cindy Blackwell, Oklahoma State University

Leadership Style and Emotional Intelligence of Alumni in Adult Leadership Program – Lara R. Strickland, University of Florida; Brian Myers, University of Florida & Hannah Carter, University of Florida
Session E: Secondary Student Pedagogy
Tower Room 1408

The Effect of Set Induction In a Lesson on Knowledge and Attitude of High School Agricultural Science Students – Tiffany L. Johnston, Waller Independent School District & T. Grady Roberts, University of Florida

The Use of Vee Maps and Standard Laboratory Reports Effect on Content Knowledge Achievement – Andrew C. Thoron, University of Florida & Brian E. Myers, University of Florida


Session F: Career Preparation
Tower Room 1406

Career Decision Self-Efficacy and Learning Activity Participation of [State] Agricultural Education Students in the North Region: A Descriptive Study – Kerry Priest, Virginia Tech; John C. Ricketts, University of Georgia & Dennis W. Duncan, University of Georgia

Changes in Career Interest Level for Urban Participants as a Result of an Agricultural Communications Workshop – Quisto Settle, Texas Tech University; David L. Doerfert, Texas Tech University; Scott Burris, Texas Tech University & Cindy Akers, Texas Tech University


Session G: Critical Thinking
Tower Room 1405

Cognitive Effect Indicators: The Impact of Student and Teacher Styles on the Impact of Student and Teachers Styles on Course Grades – Edward W. McCann, Virginia Tech & Thomas W. Broyles, Virginia Tech

The Effects of Experiential Learning With an Emphasis on Reflective Writing on Agricultural Leadership Students – Copie Moore, Southern Arkansas University, Barry L. Boyd, Texas A&M University & Kim E. Dooley, Texas A&M University

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TUESDAY, FEBRUARY 3

7:00 a.m.
SAAS Board of Directors Meeting
Vinings Room 1
(Dennis Duncan/Craig Edwards/John Ricketts)

8:00 - 9:30 a.m.
Concurrent Research Session III

Session H: AgriScience
Tower Room 1204

Perceptions of Pre-Service Teachers Toward Integrating Science Into School-Based Agricultural Education Curriculum – Andrew C. Thoron, University of Florida & Brian E. Myers, University of Florida

Attitudes and Perceptions of AgriScience Teachers, Counselors, Administrators and Students Toward Science Integration and Selected AgriScience Programs – Mary H. Brister, Mississippi State University & Kirk Swortzel, Mississippi State University

Qualitative Analysis of Teaching Efficacy Belief of Pre-Service AgriScience Teachers – Brent Jackson, University of Georgia; Maria Navarro, University of Georgia & John C. Ricketts, University of Georgia

Session I: Academic Engagement
Tower Room 1208

Communication Apprehension, Information Technology Fluency, and Internet Access as Factors Affecting College Students’ Participation in In-Class and Online Discussion – Ed Damman, University of North Carolina – Pembroke & W. Wade Miller, Iowa State University

Agricultural Science and Technology Teachers’ Perception of iPod™ and mp3 Technology Integration Into Curricular and Co-Curricular Activities – Theresa P. Murphrey, Texas A&M University; Kimberly A. Miller, Texas A&M University/Texas Tech; & T. Grady Roberts, University of Florida

Academic Engagement and Satisfaction of Undergraduate Agricultural, food and Life Sciences Students – Donald M. Johnson, University of Arkansas; George W. Wardlow, University of Arkansas & Donna L. Graham, University of Arkansas

9:30 - 10:00 a.m.
Break

Augusta I

10:00 - 11:15 a.m.
Professional Development Seminar
August II

Session J: Emerging Issues and Trend
Tower Room 1203

Emerging Themes in Integrating Mathematics Into Agricultural Education: A Qualitative Study of Star Teachers in Virginia – Ryan Anderson, Murray State University & Shawn Anderson, Oregon State University

Attitudes Toward Mathematics Integration and Related Professional Development Needs of Outstanding Agricultural Education Instructors – Ryan Anderson, Murray State University; Robert (Bob) Williams, Texas A&M University – Commerce & John Hillison, Virginia Tech

Citation Structure: An Analysis of the Literature Cited In the Journal of Agricultural Education From 1997 to 2006 – Leslie D. Edgar, University of Arkansas & Don W. Edgar, University of Arkansas

Session K: Secondary Agriculture Education Programs
Tower Room 1202

Economic Impact of Supervised Agricultural Experience in Texas: 2007 Returns from SAE Investment Cost – Roger D. Hanagriff, Texas A&M University – Kingsville; Tim H. Murphy, Texas A&M University; T. Grady Roberts, University of Florida & Gary Briers, Texas A&M University

Learning Activity Contributions to Career Decision Self-Efficacy Among Students in the North Region of [State] Agricultural Education – Kerry Priest, University of Georgia; Maria Navarro, University of Georgia & John C. Ricketts, University of Georgia

Laboratory Management In-Service Needs of [State] Agricultural Educators – P. Ryan Saucier, University of Missouri; Robert Terry, Jr., University of Missouri & Leon Schumacher, University of Missouri
Awards Luncheon

Augusta I
Presiding: Dennis Duncan

Presenters:
Outstanding Research Paper Presentation:
  John Ricketts
Outstanding Research Posters:
  David Jones
JSAER Award: Tim Murphy
AAAE Southern Region Awards: Todd Brashears

S-AAAE Conference Adjourns after Lunch

AAAE Standing Committees and Their Duties

Member Services

*Purpose:* The purpose of the Member Services Committee is to collect, summarize, and distribute appropriate information/data to the AAAE membership.

*Committee Activities:* To accomplish its purpose, the Member Services Committee carries out the following activities:
1. Revise and publish annually the Directory of University Agricultural Educators.
2. Conduct an annual salary survey and a periodic supply and demand study, summarize the data and distribute to the membership.
3. Collect and post on the AAAE website the positions available in agricultural education.
4. Provide information and establish policies for posting information on the AAE website and determine policy for release of directory information.
5. Carry out other activities agreed upon by the membership and/or Executive Committee.
6. Review and update the AAAE Constitution and Bylaws as they pertain to the Member Services Committee.
7. Develop opportunities to increase communication in the organization through the use of chat rooms, bulletin boards, and listservs.

Professional Development

*Purpose:* The purpose of the Professional Development Committee is to plan, develop and coordinate activities that enhance membership in AAAE, provide for the growth and development of members, recognize members for exemplary contributions, and secure competent leaders for the organization to ensure effective and efficient operation of the organization.

Committee Activities: To accomplish its purpose, the Professional Development Committee carries out the following activities:
1. Select a representative from each region to secure nominations for AAAE officers, under the direction of the Past-President.
2. Review the awards program and nominate individuals for appropriate awards.
3. Provide leadership for determining, planning and implementing professional meetings. (i.e. research pre-sessions)
4. Develop and request annually from AAAE a budget for the committee’s activities.
5. Carry out other activities related to professional development agreed upon by the membership and/or Executive Committee of AAAE.

Program Improvement

*Purpose:* The purpose of the Program Improvement Committee is to enhance existing programs, encourage and support new program initiatives, and provide agricultural leadership that will positively impact agricultural education.

*Committee Activities:* To accomplish its purpose, the Program Improvement Committee carries out the following activities:
1. The committee will identify special interest groups and facilitate collegial working relationships.
2. Provide opportunities for collaboration within and outside of agricultural education.
3. Serve as an advocate for improvement of teaching and learning in agriculture.
4. Provided leadership and representation on organizations of the profession.
5. Coordinate the AAAE Poster Session to facilitate the exchange of ideas and activities among members.
6. Carry out other activities related to program improvement agreed upon by the membership and/or Executive Committee of AAAE.
7. Review and update AAAE Constitution and Bylaws as they pertain to the committee.

Research

*Purpose:* The purpose of the Research Committee is to promote scholarly research and development activities among the membership that leads to advancing the profession of agricultural education.
AGRICULTURAL EDUCATION

Committee Activities: To accomplish its purpose, the Research Committee is charged with the following:
1. Promote dissemination of research through professional research meetings such as the National Agricultural Education Research Conference and regional research conferences.
2. Identify individuals and/or departments to chair the National Agricultural Education Research Conference.
3. Recommend policies related to research conferences to facilitate the dissemination of research.
4. Recommend policies related to dissemination of research through journals and other appropriate media.
5. Coordinate with the Communication Committee and other appropriate AAAE committees the dissemination or research on the AAAE website.
6. Promote recognition of research and development activities of members through programs including: but not limited to:
   • Outstanding research papers at the National Agricultural Education Research Conference
   • Journal of Agricultural Education Author of the Year Awards Program
7. Carry out other activities related to research agreed upon by the membership and/or Executive Committee of AAAE.
8. Foster collaboration with other regions and communicate funding opportunities available for agricultural education research.
9. Maintain a connection with the goals and activities of other related societies and agencies.

Thank you to our Sponsors:

Mr. John Shuman, Vidalia Onion Committee
100 Vidalia Sweet Onion Drive, Vidalia, GA 30474

Mr. Don Koehler, Georgia Peanut Commission
110 East 4th Street, Tifton, Georgia 31794

Ms. Shirley Bowen, Southern States
6606 West Broad Street, Richmond, Virginia 23260

AGRONOMY

AGRonomy
Southern Branch
2009 SAAS Program

Sunday, February 1, 2009

Registration: 10:00 AM – 5:00 PM
Westin Peachtree Plaza
International Room C Foyer

Poster Session
Westin Peachtree Plaza
The Overlook Room
1:00 PM to 5:00 PM

Session No. 1 Graduate Student Poster Competition – Crops
Westin Peachtree Plaza, The Overlook Room

Authors Present 1:00 PM–5:00 PM

1 Determination of Optimal Cropping Systems for White-tailed Deer in the Southeast. Alex Johnson*, Charles Wood, David Weaver, Edzard van Santen, Don Ball and Stephen Ditchkoff, Auburn University

2 Five Warm-Season Legumes as Supplemental Summer Forage for Meat Goats. Susan E. Henderson*, Robert Lane, and Craig Henderson, Sam Houston State University

3 Evaluation of Double-cropped Cotton (Gossypium hirsutum L.) and Soybean [Glycine max (L.) Merr.] after Autumn or Winter Treatments of Pyroxasulam to Winter Wheat (Triticum aestivum L). Rebekah D. Wallace* and Timothy Grey, University of Georgia

4 Growth Response of Cotton (Gossypium hirsutum L.) to Pendimethalin Formulation, Timing, and Method of Application. George S. Cutts* III, University of Georgia and Timothy L. Grey, University of Georgia

5 Assimilation of Organic Phosphorus in Lolium multiflorum. Shivendra V. Sahi*1, Pradyut Paul1 and Kenneth Sajwan2, (1)Western Kentucky University, (2)Savannah State University

6 Comparison of Phytophthora Tolerance between Rps1c and Rps1k Isolines in Soybean. Kevin A. Dillon* and J. M. Phillips, Morehead State University

7 Sodium Azide as a Possible Nitrification Inhibitor in a Bentgrass Putting Green. Sheryl Wells*, R.H. Walker and E.A. Guertal, Auburn University
Growth, Yield, Fruit Size, and Flowering Dates of Inter and Intra-Specific Crosses of Chile Pepper (Capsicum spp). Keremy Noble*, Reddy Chinthakuntla¹, Rao Mentreddy¹, Bill Evans³ and Tahir Rashid¹, (1)Alcorn State University, (2)Alabama A&M University, (3)Mississippi State University

Session No. 2 Graduate Student Poster Competition – Soils
Westin Peachtree Plaza, The Overlook Room
Authors Present 1:00 PM–5:00 PM

Development of N-P-K Fertilization Recommendations for Switchgrass and Big Bluestem as Native Biofuels. Richard Z. Brown*, Auburn University

Soil Taxonomic Comparison between Selected Soils in the Big South Fork National River and Recreation Area with Geology, Landforms, and Site Position. Ryan Blair*, University of Tennessee Plant, Soil & Env. Club

Carbon Sequestration in a Forest Soil in the Citronelle Oil Field of South Alabama. Latasha Lyte*, Alabama A&M University and Ermson Nyakatawa, Alabama A&M University

Nitrogen Sources for Cotton and Corn and Ammonia Volatilization. Cody Smith¹, Charles Mitchell¹, Katy Smith¹ and Fernando Ducamp³, (1)Auburn University, (2)National Soil Dynamics Laboratory, (3)USDA Soil Dynamics Laboratory

Transformation of Natural and Synthetic Estrogens Mediated by a Soil Enzyme-Lignin Peroxidase. Liang Mao*, University of Georgia and Qingguo Huang, University of Georgia, Griffin

N2O, CO2, and CH4 Fluxes from Deep Row Applied Biosolids for Production of Hybrid Poplar in Virginia Coastal Plain Mineland Reclamation Sites. Kirill Kostyanovskiy*, Gregory Evanylo, Chao Shang, Beshr Sukkariyah and Katrina Lasley, Virginia Tech

Effects of Livestock Antibiotics on Nitrification and Denitrification in Soils Along a Topographic Gradient. Sagarika Banerjee* and Elisa D'Angelo, University of Kentucky

Tillage Systems Influence on Soil Microbial Community Structure. Reji P. Mathew¹, Yucheng Feng¹ and Kipling S. Balkcom², (1)Auburn University, (2)USDA-ARS

Session No. 3 Professional Poster Presentation – Crops/Soils
Westin Peachtree Plaza, The Overlook Room
Authors Present 1:00 PM–5:00 PM

Glyphosate Control of Orange and Brown Rusts in Glyphosate-Sensitive Sugarcane Cultivars. Isabel A. del Blanco*, Moaiad Kanaan, Barry Glaz, Sushma Sood and Jack Comstock, USDA-ARS

Fitting Winter Annual Legumes into a Corn/Soybean Rotation. Carl Crozier¹, Alan Meijer¹, Samuel C. Reberg-Horton* and George T. Place², (1)North Carolina State University-Soil Science Dept., (2)North Carolina State University

Nutrient Uptake and Removal from Various Cropping Systems in the Mississippi Delta. Davis R. Clark* and M. Wayne Ebelhar, Mississippi State University

Effects of Delayed-Harvest on Seed Quality and Final Yield of Maturity Group IV Soybean in the Mississippi Delta. Lingxiao Zhang*, Mississippi State Delta Research Center and Nacer Bellaloui, USDA-ARS

Tolerance of Clearfield Sunflowers to Imazapic. Eric P. Prostko*, Timothy L. Grey and Jerry W. Davis, University of Georgia

Variety Effects on Growth and Yield Distribution of Cotton in Irrigated and Non-Irrigated Conditions. Glen L. Ritchie*, Wheelus Davis, Lola Sexton and Dudley Cook, University of Georgia

Weed Control Using Imazamox in Imidazolinone-Resistant Wheat (Triticum aestivum L.). Timothy L. Grey*, University of Georgia and Jerry Johnson, University of Georgia Experiment Station

Breeding for Reduced Post-Harvest Seed Dormancy in Switchgrass. Byron L. Burson*, Charles R. Tischler¹ and William R. Ocumpaugh², (1)USDA-ARS, (2)Texas AgriLife Research

Control of Weed Biomass with Use of Herbicide and Inter-row Cultivation in Canola. Lekhanath Paudel and Udai R. Bishnoi*, Alabama A&M University


29 The Closed-Loop Biodiesel Production Model. Ernst Cebert*, Alabama A&M University and LaMar Hauck, TECHNICORP LLC

30 Yield Response of Tall Fescue/White Clover Mixtures With and Without N Fertilizer When Managed for Stockpiled Winter Pasture. John Jennings, Danny Griffin*, Michelle Mobley, Kenny Simon, John Boyd and Shane Gadberry, University of Arkansas Cooperative Extension Service

31 Effect of Herbicide Suppression of Tall Fescue Sod in Winter with Metsulfuron or Glyphosate on White Clover Establishment. John Jennings, Michelle Mobley*, Kenny Simon, Danny Griffin, John Boyd and Shane Gadberry, University of Arkansas Cooperative Extension Service

32 Effect of Seeding Date and N Rate on Sunflower Yields, Oil Content and Composition. Valtcho D. Zheljazkov*, Brady Vick, Brian Baldwin, Normie Buehring, M. Wayne Ebelhar, Tess Astatkie, Thomas Horgan and Billy Johnson, (1)Mississippi State University, (2)USDA-ARS, (3)Mississippi State University, (4)Nova Scotia Agricultural College

33 Imported Fire Ant-Mediated Effects on Mound Surfaces and Soil Chemical Properties in a Warm-Season Turfgrass. Sherri L. DeFauw*, James T. Vogt, Patrick J. English, Jeffrey L. Willers and Debbie L. Boykin, (1)USDA-ARS Biological Control of Pests Research Unit, (2)Mississippi State University, (3)USDA-ARS, (4)USDA-ARS Mid South Area


35 Tillage and Poultry Litter Application Influence on Nutrient Accumulation in Corn Soil. R.A. Giffen*, W.T. Willian and N.S. Rowland, Western Kentucky University


37 The Effect of Enhanced-Efficiency Nitrogen Fertilizer Formulations on the Yield of Bermudagrass. Dennis Hancock* and Glen Harris, University of Georgia

38 Assessing Nutrients in Two Creeks at the Collins River Sub Watershed in Middle Tennessee. Samuel Dennis*, Debbie Eskandamir* and Teferi Tsegaye, (1)Tennessee State University, (2)Alabama A&M University


SAAS Opening Session/Business Meeting
Discuss on Alternative Fuels
Westin Peachtree Plaza, Vinings Room
3:30 – 5:00 p.m.

SAAS Reception/Super Bowl Party/Reception
Westin Peachtree Plaza, Peachtree Ballroom
5:00 pm – till

Monday, February 2, 2009

Registration: 7:00 AM – 12:00 PM
Westin Peachtree Plaza
International Room C Foyer

Session No. 4 Graduate Student Oral Competition – Crops
7:20 AM to 10:00 AM
Westin Peachtree Plaza, International Room C
Presiding: Kipling S. Balkcom, USDA-ARS

7:20 AM Introductory Remarks - M. Wayne Ebelhar, Program Chairman, Mississippi State University

7:30 AM Fall-raised Beds for Reduced Digging Losses in Strip-till Peanut. J. L. Jackson*, J. P. Beasley Jr., R. S. Tubbs, R. D. Lee and T. L. Grey, University of Georgia

7:45 AM Herbicide and Cover Crop Residue Integration Affect Weed Control and Yield in Conservation Tillage Peanut. Monika Saini*, Andrew Price, Wilson Faircloth, Glenn Wehtje and Edzard van Santen, (1)Auburn University, (2)USDA-ARS Invasive Weed Management Research Unit, (3)USDA-ARS-NPRL

8:00 AM Potassium Fertilization Influences Rice Growth, Yield, and Stem Rot Index. Elliot T. Maschmann*, Nathan A. Slaton, Rick Cartwright, Rick Norman, Russ Delong and Bobby Golden, University of Arkansas

8:15 AM Sunn Hemp Biomass and Nitrogen Production for Different Planting Dates and Seeding Rates. Jessica M. Massey*, Kipling S. Balkcom, Jorge A. Mosjidis, Andrew J. Price* and Stephen F. Enloe, (1)Auburn University, (2)USDA-ARS
8:30 AM  **Hessian Fly Resistance of Triticum Durum-derived Soft Winter Wheat.** Kathryn Harman*1, Jerry Johnson2, Lilian Miranda2 and David Buntin3, (1)University of Georgia, (2)University of Georgia Experiment Station, (3)University of Georgia

8:45 AM  **Multivariate Repeated Measures Analysis of Sugarcane Breeding Data.** Marvellous Zhou* and Collins Kimbeng, Louisiana State University

9:00 AM  **Effect of N, Location, and Harvesting Stage on Peppermint Productivity, Oil Content, and Composition.** Vasile Cerven1*, Valtcho D. Zheljazkov2, Charles Cantrell1, M. Wayne Ebelhar1 and Dennis E. Rowe1, (1)Mississippi State University, (2)Mississippi State, (3)USDA-ARS

9:15 AM  **Selection for Increased Winter Production in Annual Ryegrass (Lolium multiflorum Lam).** Amandeep Dhaliwal*, Kamal Chugh and Edzard van Santen, Auburn University

9:30 AM  **Defoliation Management of Tifton 85 Bermudagrass Used as Greenchop in North Florida Dairies.** Joseph Clavijo1, Yoana C. Newman2, Lynn Sollenberger1, Charles Staples1 and Leonardo E. Ortega3, (1)University of Florida, (2)University of Florida - Agronomy Department, (3)NMB

10:00 AM  Discussion

10:10 AM  **Persistence and Nutrient Release from Organic Mulches and Cover Crops.** Michael J. Mulvaney*, C. Wesley Wood and Brenda H. Wood, Auburn University


11:00 AM  **Nitrogen Content in Floodwater of Drill-Seeded, Delayed Flood Rice Following Urea Fertilization.** Alice J. Enochs*, Trenton L. Roberts, Nathan A. Slaton, Richard J. Norman, Charles E. Wilson Jr., Donna Frizzell and James Branson, University of Arkansas

11:15 AM  **Assessment of Rice Yield and Nitrogen Nutrition Using Canopy Spectral Reflectance.** Jason M. Satterfield*, Timothy W. Walker1, Jac Varco1, Richard J. Norman2 and Dustin Harrell3, (1)Mississippi State University, (2)University of Arkansas, (3)Louisiana State University Agricultural Center

11:30 AM  **Assessment of Urea Stabilizers Applied Preflood to Delayed-Flood Rice.** Trenton L. Roberts*, Alice Enochs3, Richard Norman1, Timothy Walker2, Nathan Slaton1 and Charles Wilson Jr.1, (1)University of Arkansas, (2)Mississippi State University

11:45 AM  **Assessment of the Potassium Buffering Capacity of Selected Arkansas Soils.** Jose Pantoja*, Leonel Espinoza and David M. Miller, University of Arkansas

12:00 PM  **Bermudagrass Response to Saline Water Delivered by a Subsurface Drip Irrigation System.** Kelsey Gorman*, Lambert McCarty1, Haibo Liu1, Joseph E. Toler1 and Kenneth Stone2, (1)Clemson University, (2)USDA-ARS

12:15 PM  **Leaching Potential of Nitrogen and Phosphorus in Deep Row Biosolids Incorporation Technology in Coastal Plain Mine Reclamation Sites in Virginia.** Kirill Kostyanovskiy*, Gregory Evanylo, Katrina Lasley, Beshr Sukkariyah and Chao Shang, Virginia Tech

12:30 PM  Discussion

12:40 PM  Lunch

**Session No. 6 Professional Oral Presentations – Row Crops**

12:00 PM  **Nitrogen Content in Floodwater of Drill-Seeded, Delayed Flood Rice Following Urea Fertilization.** Alice J. Enochs*, Trenton L. Roberts, Nathan A. Slaton, Richard J. Norman, Charles E. Wilson Jr., Donna Frizzell and James Branson, University of Arkansas

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12:30 PM  Discussion

12:40 PM  Lunch

Session No. 6 Professional Oral Presentations – Row Crops

2:00 PM to 3:00 PM  **Nitrogen Content in Floodwater of Drill-Seeded, Delayed Flood Rice Following Urea Fertilization.** Alice J. Enochs*, Trenton L. Roberts, Nathan A. Slaton, Richard J. Norman, Charles E. Wilson Jr., Donna Frizzell and James Branson, University of Arkansas

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12:30 PM  Discussion

12:40 PM  Lunch

Session No. 6 Professional Oral Presentations – Row Crops

2:00 PM to 3:00 PM  **Nitrogen Content in Floodwater of Drill-Seeded, Delayed Flood Rice Following Urea Fertilization.** Alice J. Enochs*, Trenton L. Roberts, Nathan A. Slaton, Richard J. Norman, Charles E. Wilson Jr., Donna Frizzell and James Branson, University of Arkansas

11:15 AM  **Assessment of Rice Yield and Nitrogen Nutrition Using Canopy Spectral Reflectance.** Jason M. Satterfield*, Timothy W. Walker1, Jac Varco1, Richard J. Norman2 and Dustin Harrell3, (1)Mississippi State University, (2)University of Arkansas, (3)Louisiana State University Agricultural Center

11:30 AM  **Assessment of Urea Stabilizers Applied Preflood to Delayed-Flood Rice.** Trenton L. Roberts*, Alice Enochs3, Richard Norman1, Timothy Walker2, Nathan Slaton1 and Charles Wilson Jr.1, (1)University of Arkansas, (2)Mississippi State University

11:45 AM  **Assessment of the Potassium Buffering Capacity of Selected Arkansas Soils.** Jose Pantoja*, Leonel Espinoza and David M. Miller, University of Arkansas

12:00 PM  **Bermudagrass Response to Saline Water Delivered by a Subsurface Drip Irrigation System.** Kelsey Gorman*, Lambert McCarty1, Haibo Liu1, Joseph E. Toler1 and Kenneth Stone2, (1)Clemson University, (2)USDA-ARS

12:15 PM  **Leaching Potential of Nitrogen and Phosphorus in Deep Row Biosolids Incorporation Technology in Coastal Plain Mine Reclamation Sites in Virginia.** Kirill Kostyanovskiy*, Gregory Evanylo, Katrina Lasley, Beshr Sukkariyah and Chao Shang, Virginia Tech

12:30 PM  Discussion

12:40 PM  Lunch
2:00 PM **Incidence and Causes of Soybean Plant Attrition.** Eric Walker*, Richard Joost*, Alemu Mengistu1, and Mark Potter2, (1)USDA-ARS, (2)University of Tennessee - Martin

2:15 PM **How Late Can We Plant Peanut?**. John P. Beasley* Jr., R.S. Tubbs*, J.E. Paulk III*, R.C. Kemerait*, Albert K. Culbreath* and T.B. Brenneman*, (1)University of Georgia, (2)University of Georgia Tifton Campus

2:30 PM **Breeding for Drought Tolerant Cotton.** Steve Hague*, C. Wayne Smith and Jane Dever, Texas A&M University

2:45 PM **Effects of Seeding Rates and Nitrogen Rates on Corn Production in Twin-row Planting Systems for the Mississippi Delta.** M. Wayne Ebelhar* and Davis R. Clark, Mississippi State University

3:00 PM **Discussion**

3:10 AM **Break**

3:30 PM **Southern Branch – American Society of Agronomy Business Meeting**
Westin Peachtree Plaza, International Room C
*Presiding: Nathan A. Slaton, University of Arkansas, President*

4:15 PM **Southern Branch – American Society of Agronomy Awards and Recognition Program**
Westin Peachtree Plaza, International Room C
*Presiding: Nathan A. Slaton, University of Arkansas, President*

5:00 PM **Adjourn**

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**Tuesday, February 3, 2009**

**Session No. 7 Professional Oral Presentations – Crops/Soils I**

7:20 AM to 10:00 AM
*Westin Peachtree Plaza, International Room C*
*Presiding: Timothy W. Walker, Mississippi State University*

8:20 AM **Introductory Remarks**
M. Wayne Ebelhar, Program Chairman, Mississippi State University

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**Session No. 8 Professional Oral Presentations – Crops/Soils II**

10:30 AM to 11:30 AM
*Westin Peachtree Plaza, International Room C*
*Presiding: M. Wayne Ebelhar, Mississippi State University*

10:30 AM **Temporal Stability of Rice Grain and Whole Kernel Milling Yield is Affected by Cultivar and Date of Planting.** Sterling Brooks Blanche* and Steve Linscombe, Louisiana State University Agricultural Center
10:45 AM **Nanoparticle Synthesis in Alfalfa.**
Shivendra V. Sahi* and Daniel Starnes,
Western Kentucky University

11:00 AM **An Alternative Planting Strategy for Establishing White Clover in Tall Fescue Pastures.** John Jennings*, Kenny Simon, Danny Griffin, Michelle Mobley, John Boyd and Shane Gadberry, University of Arkansas Cooperative Extension Service


11:30 PM Discussion

11:40 AM Adjourn
ANIMAL SCIENCE

Dr. Matthew H. Poore, Secretary-Treasurer
North Carolina State University
Raleigh, NC

Dr. Thomas H. Welsh, Jr., Secretary-Treasurer-Elect
Texas A&M University
College Station, TX

Dr. Chadwick C. Chase, Jr., Past President
USDA, ARS, STARS
Brooksville, FL

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Greenfield, IN

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Boehringer Ingelheim, Vetmedica Division
St. Joseph, MO

Young Animal Scientist – Education

Undergraduate Paper Competition

Graduate Student Awards Competition

PROGRAM EVENTS

Friday, January 30
Academic Quadrathlon (AQ)
9:00 PM Advisor’s Mtg. — Athens, GA

Saturday, January 31
AQ Lab Practicum & Written Exam
Athens, GA

Westin Peachtree Plaza
Atlanta, Georgia

Sunday, February 1
AQ Oral Preparation
6:30 am — noon — Atlanta Ballroom A

AQ Oral Presentation
6:30 am — noon — Atlanta Ballroom H

ANIMAL SCIENCE

AQ Oral Presentation
8:00 am — noon — Atlanta Ballroom G

AQ Quiz Bowl
8:00 am — 1:00 pm — Atlanta Ballroom F

AQ Quiz Bowl Championship/Awards & Awards Program
8:00 am — 2:00 pm — Atlanta Ballroom B

SCC-81 Sustainable Small Ruminant Production
10:00 am — 4:00 pm — Atlanta Ballroom D

Registration
11:00 am — 4:00 pm — Atlanta Ballroom Balcony

Beef-Cattle/Forage Production and management Information Exchange Group (formerly SERA-36)
1:00 pm — 4:00 pm — Atlanta Ballroom F

SCC-72 – Enhancing Reproductive Efficiency
1:00 pm — 4:00 pm — Atlanta Ballroom A

SAAS Board Meeting
2:30 pm – 3:00 pm — Tower Room 1401

SAAS Ag Renewable Energy Opening Session and General Business Meeting
3:30 pm – 5:00 pm — Vinings Rooms

SS-ASAS Advisory Committee and Executive Committee
5:00 pm — 6:00 pm — Atlanta Ballroom D

“Super Bowl Party”/SAAS Reception
Sponsored by Southern Farm Bureau Life Insurance Co., Jackson, Mississippi and Affiliates. Social begins at 5:00 pm Kickoff 6 pm. Come watch the game! — Peachtree Ballroom

Monday, February 2

Interested in taking an ARPAS exam at the ASAS Southern Section Meeting? If so contact ARPAS at arpas@assochq.org for information or to schedule an exam.

Registration
7:30 am — 4:00 pm
Atlanta Ballroom Balcony

Extension/Ruminant Animal Production Symposium:
Beef Management Strategies to Adjust to High Input Costs
8:00 am — noon — Atlanta Ballroom G
ANIMAL SCIENCE

Graduate Student Competition
8:00 am — 11:15 am — Atlanta Ballroom H

Teaching and Undergraduate Education
Enhancing Teaching and Learning
9:00 am — 11:00 am — Atlanta Ballroom F

Continuation of SAAS Opening Session
A separate/concurrent multi-disciplinary track
Ag Renewable Energy
10:00 am – 4:30 pm — Vinings Rooms

Breeding and Genetics
1:00 pm — 4:15 pm — Atlanta Ballroom G

Ruminant Animal Production I
1:00 pm — 3:00 pm — Atlanta Ballroom F

Undergraduate Student Research Competition I
1:00 pm — 2:15 pm — Atlanta Ballroom H

Physiology I
Growth and Development in Ruminants
1:30 pm — 3:30 pm — Atlanta Ballroom C

Extension Discussion Session on Programs to
Help Beef Producers Deal With High Input Costs
1:30 pm — 2:45 pm — Atlanta Ballroom A

Undergraduate Student Research Competition II
2:30 pm — 4:00 pm — Atlanta Ballroom H

Pasture and Forages I
3:00 pm — 5:00 pm — Atlanta Ballroom A

Small Ruminant Production I
General Production and Management
3:15 pm — 5:00 pm — Atlanta Ballroom F

SS-ASAS Business Meeting and Awards Ceremony
5:10 pm — 7:10 pm — Atlanta Ballroom H

Extension Reception/Dinner
By Invitation Only
6:30 pm — 9:30 pm — Atlanta Ballroom B

Small Ruminant Subcommittee of the NAGP
7:15 pm — 9:15 pm — Atlanta Ballroom A

Dr. Gary Hill Retirement Reception
9:00 pm — 11:00 pm — Atlanta Ballroom G

ANIMAL SCIENCE

Tuesday, February 3

SAAS Board Breakfast Meeting
7:30 am – 9:30 am — Vinings Room I

Registration
8:00 am — noon
Atlanta Ballroom Balcony

Extension I
8:15 am — 11:30 am — International Room D

Physiology II
Stress and Immunity
8:30 am — 11:30 am — International Room H

Ruminant Animal Production II
8:00 am — 9:45 am — International Room E

Small Ruminant Production II - Internal Parasite
Control
8:30 am — 11:30 am — International Room B

Pastures and Forages II
10:00 am — noon — International Room E

Extension Luncheon
12:00 pm — 2:00 pm — Vinings II

Meat Science
1:30 pm — 3:30 pm — International Room F/G

Physiology III - Reproduction
1:30 pm — 3:00 pm — International Room B

Extension II
2:30 pm — 3:30 pm — International Room D
SYMPOSIA AND ORAL SESSIONS

Extension/Ruminant Animal Production Symposium: Beef Management Strategies to Adjust to High Input Costs
Chair: Les Anderson
University of Kentucky, Lexington
Atlanta Ballroom G

8:00 AM    Invited
Introduction.
Les Anderson, University of Kentucky, Lexington.

8:05 AM    Invited
Strategic Planning for Profitability in the High Input Era.
Barry Dunn, King Ranch Institute for Ranch Management, Texas A & M University, Kingsville.

8:55 AM    Invited
Forage Systems to Reduce Nitrogen Application.
John Andrae, Clemson University, Clemson, SC.

9:45 AM    — Break.

10:00 AM    Invited
RFI and Cow Herd Efficiency.
Gordon Carstens, Texas A & M University, College Station.

10:50 AM    Invited
Selection Programs to Enhance Cow Herd Efficiency.
Joe Cassady, North Carolina State University, Raleigh.

11:40 AM    Discussion with Panel of Speakers.
**ANIMAL SCIENCE**

10:30 AM  34

Effects of PGF<sub>2</sub> and 15-keto-PGF<sub>2</sub> in the presence of E<sub>2</sub> or P<sub>4</sub> on leptin and PGF<sub>2</sub> receptor gene expression in adipose tissue in cycling heifers.

M. D. Mahan*<sup>1</sup>, E. Gonzales<sup>1</sup>, C. W. Q. Gorman<sup>1</sup>, E. A. Aguirre<sup>1</sup>, E. J. Tilly<sup>1</sup>, R. A. Katchko<sup>1</sup>, J. R. Wiles<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 A&M University AgriLife Research Station, Beeville.

10:45 AM  35

Influence of forage characteristics on grazing behavior of weaned calves.

S. Arriola*<sup>1</sup>, G. Scaglia<sup>2</sup>, B. F. Tracy<sup>1</sup>, and A. O. Abaye<sup>1</sup>, <sup>1</sup>Virginia Polytechnic Institute and State University, Blacksburg, <sup>2</sup>LSU AgCenter Iberia Research Station, Jeanerette.

11:00 AM  36

Supplementation of dried distiller’s grains with solubles to beef cows consuming low-quality forage during late gestation and early lactation.

S. J. Winterholler*<sup>1</sup>, C. P. McMurphy, G. L. Mourer, and D. L. Lalman, <sup>1</sup>Oklahoma State University, Stillwater.

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**Teaching and Undergraduate Education**

**Enhancing Teaching and Learning**

**Chair: Charles Rosenkrans**

University of Arkansas, Fayetteville

Atlanta Ballroom F

9:00 AM  Invited

**Innovations and approaches in teaching that make a difference.**

D. Mulvaney*<sup>1</sup>, C. Rosenkrans<sup>2</sup>, B. Rude<sup>3</sup>, J. Blanton<sup>4</sup>, R. Miller<sup>5</sup>, <sup>1</sup>Auburn University, <sup>2</sup>University of Arkansas, <sup>3</sup>Mississippi State University, <sup>4</sup>Nobel Foundation, <sup>5</sup>Texas A&M University.

9:40 AM  Invited

**Showcasing Second Life for virtual instruction applications in animal and poultry sciences.**

M. Kloepfer, Auburn University.

10:10 AM  112

**Capstone experiences in undergraduate agriculture.**

B. D. Whitaker*, D. A. Bowman, M. A. Gazdik, B. R. Pohlad, and C. L. Thomas, <sup>1</sup>Ferrum College, Ferrum, VA.

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**ANIMAL SCIENCE**

10:25 AM  113

Evolution of an animal science learning community: Design, experiences and progress.

S. Shaw*, D. A. Coleman, and D. R. Mulvaney, <sup>1</sup>Auburn University, Auburn, AL.

10:40 AM  Invited

**Teaching and scholarship in animal sciences curricula: challenges for adaptive leadership.**

J. Groccia* and D. Mulvaney, Biggio Center for the Enhancement of Teaching and Learning, Auburn University.

**Breeding and Genetics**

**Chair: Michael A. Brown**

USDA-ARS, Grazinglands Research Laboratory

Atlanta Ballroom G

1:00 PM  1

Breed effects and heterosis for rectal temperature and coat score in Brahman, Angus, and Romosinuano pure and crossbred cows and calves.

D. G. Riley*<sup>1</sup>, C. C. Chase<sup>1</sup>, S. W. Coleman<sup>1</sup>, and T. A. Olson<sup>1</sup>, <sup>1</sup>USDA, ARS, Brooksville, FL, <sup>2</sup>University of Florida, Gainesville.

1:15 PM  2

Effect of shade on summer body temperature and respiration rate of Angus, Brahman, and Romosinuano heifers.

C. C. Chase, Jr.*<sup>1</sup>, L. J. Waters<sup>1</sup>, J. R. Davis<sup>1</sup>, D. G. Riley<sup>1</sup>, S. W. Coleman<sup>1</sup>, J. A. Carroll<sup>2</sup>, and T. A. Olson<sup>3</sup>, <sup>1</sup>USDA, ARS, STARS, Brooksville, FL, <sup>2</sup>USDA, ARS, LIRU, Lubbock, TX, <sup>3</sup>University of Florida, Gainesville.

1:30 PM  3

Post-weaning growth of tropically adapted purebred and crossbred calves when finished in a temperate climate.

S. W. Coleman*<sup>1</sup>, W. A. Phillips<sup>2</sup>, D. G. Riley<sup>1</sup>, and C. C. Chase<sup>1</sup>, <sup>1</sup>USDA ARS Subtropical Agricultural Research Station, Brooksville, FL, <sup>2</sup>USDA ARS Grazinglands Research Laboratory, El Reno, OK.

1:45 PM  4

Evaluation of birth weight, weaning weight, and gestation length in <i>Bos indicus/Bos taurus</i> cross calves.

A. J. Cooper*, J. O. Sanders, A. D. Herring, C. A. Gill, D. K. Lunt, and J. E. Sawyer, Texas A&M University, College Station.
ANIMAL SCIENCE

2:00 PM  5
Genetic effects on liveweight gain, hair coat score, temperament, and parasite resistance traits in Angus and Brahman-influenced replacement heifers.
W. E. Wyatt*1, D. E. Franke2, J. E. Miller2, and D. C. Blouin2, 1Louisiana State University Agricultural Center, Jeanerette, 2Louisiana State University Agricultural Center, Baton Rouge.

2:15 PM  6
Relationships between prolactin promoter polymorphisms and Angus calf temperament scores and fecal egg counts.
A. B. Rayfield*1, A. H. Brown, Jr.1, Z. B. Johnson1, J. G. Powell1, J. L. Reynolds1, S. T. Reiter1, M. L. Looper2, and C. F. Rosenkranz, Jr.1, 1University of Arkansas, Fayetteville, 2ARS/USDA, Booneville, AR.

2:30 PM —  Break.

2:45 PM  7
Evaluation of calf size and growth, udder and teat characteristics, and reproduction in young Bos indicus-Bos taurus cows.
C. J. Gladney, A. D. Herring*, J. O. Sanders, D. K. Lunt, and C. A. Gill, Texas A&M University, College Station.

3:00 PM  8
Calf growth as a characteristic of cow from two lines of Angus cows separated by frame size.
D. L. Kuhlers*1, K. Nadarajah1, G. L. Thompson1,2, B. E. Norris3, H. D. Harkins3, and L. Kriese-Anderson1,2, 1Auburn University, Auburn, AL, 2Alabama Cooperative Extension System, Auburn, AL, 3Tennessee Valley Research and Extension Center, Belle Mina, AL.

3:15 PM  9
A comparison of milk production and milk composition traits for three breed types of dairy cattle.

3:30 PM  10
Milk yield and quality in cows sired by different beef breeds.
M. A. Brown*1, J. W. Holloway2, and D. L. Lalman3, 1USDA-ARS, Grazinglands Research Laboratory, El Reno, OK, 2Texas AgriLife Research, Uvalde, TX, 3Oklahoma State University, Stillwater.

Ruminant Animal Production I
Chair: Adegbola T. Adesogan
University of Florida, Gainesville
Atlanta Ballroom F

3:45 PM  11
A case-study: Meta-analyses of performance data on meat goat kids gathered by producers in Alabama using an on-farm electronic record keeping software tool.
K. Nadarajah*1, R. D. Spencer2, D. M. Gimenez1,2, D. L. Kuhlers1, and D. L. Rankins1,2, 1Auburn University, Auburn, AL, 2Alabama Cooperative Extension System, AU and Alabama A&M, AL.

4:00 PM  12
Detection of Alu of repetitive sequences in caprine DNA.
L. Lane*, I. Hammid, and M. Worku, North Carolina Agricultural and Technical State University, Greensboro.

ANIMAL SCIENCE
Effects of Mannheimia haemolytica vaccination (One Shot®) on feed intake, feed efficiency, and the acute-phase protein response of heifers.
J. D. Arthington*1, T. D. Maddock2, and G. C. Lamb2,
1University of Florida, Ona, 2University of Florida, Marianna.

Evaluation of feed efficiency and carcass traits in Bos indicus composite and Angus finishing heifers.

Effect of selection for residual feed intake on postpartum performance of Brahman cows.
A. N. Loyd*1,2, A. W. Lewis1, D. A. Neuendorff1, K. J. Matheney1,2, T. D. A. Forbes3, T. H. Welsh, Jr.2, and R. D. Randal1, 1Texas AgriLife Research, Overton, Texas, 2Texas AgriLife Research, College Station, 3Texas AgriLife Research, Uvalde.

Comparison of poured protein block, liquid supplement, and whole cottonseed fed with hay to beef cows during winter.
G. M. Hill*1, M. H. Poore3, M. E. Pence2, D. J. Renney1, K. C. Halbig1, and B. G. Mullinix, Jr., 1University of Georgia, Tifton, 2University of Georgia Vet. Diagnostic Center, Tifton, 3North Carolina State University, Raleigh.

The growth potential of tropical forage legumes grown in a semi-arid region of Honduras.
K. Gregory2, F. N. Mhlanga1, J. Brown2, and G. Betancourt2, 1Abilene Christian University, Abilene, TX, 2Mission Lazarus, Choluteca, Honduras.

Smallholder livestock production in Zambia: Constraints and opportunities.
J. Ferguson* and F. N. Mhlanga, Abilene Christian University, Abilene, TX.
Evaluation of residual feed intake, insulin-like growth factor-I, and puberty in Brahman bulls.
K. J. Matheney*1,2, A. W. Lewis1, D. A. Neuendorff3, L. C. Caldwell4, A. N. Loyd1,2, T. D. A. Forbes4, T. H. Welsh, Jr.5, and R. D. Randel1, 1Texas AgriLife Research, Overton, TX, 2Texas AgriLife Research, College Station, TX, 3Texas AgriLife Research, Uvalde, TX.

Residual feed intake of beef heifers and ovulation during acute nutritional restriction.
C. A. Lents1, A. M. Stelzleni2, R. D. Randel2, A. W. Lewis2, N. L. Heidorn*1, C. J. Rogers1, and M. W. Overton1, 1University of Georgia, Athens, 2Texas A&M University, Overton.

Utilization of cottonseed products in bull development programs.
R. C. Vann*1, S. T. Willard2, and M. K. Dowd3, 1MAFES-Brown Loam Experiment Station, Raymond, MS, 2Department of Biochemistry & Molecular Biology, Starkville, MS, 3SRRC-ARS-USDA, New Orleans, LA.

The effect of initial market grade on linear measurements and carcass characteristics of feeder goats.
J. Robinette*, R. Miculinich, B. Galbreath, T. Platt, and T. Wistuba, Morehead State University, Morehead, KY.

Effects of corn processing method and wet distiller’s grains plus solubles inclusion and source on ruminal pH and in situ digestibility of crossbred steers.
J. B. Lewis*1,2, K. J. Jenkins2, J. M. Patterson2, N. A. Cole3, J. B. Osterstock2,4, L. O. Tedeschi4, and J. C. MacDonald1,2, 1West Texas A&M University, Canyon, TX, 2Texas AgriLife Research, Amarillo, TX, 3USDA-ARS, Bushland, TX, 4Texas A&M University, College Station.
3:15 PM 46
Productivity and nutritive quality of tall fescue spring growth as influenced by interseeded ladino clover and fertilization with commercial fertilizer or broiler litter.

3:30 PM 47
Productivity and nutritive quality of dallisgrass as influenced by rate of fertilization with broiler litter or commercial fertilizer.
E. J. Bungenstab*, J. C. Lin, J. L. Holliman, A. C. Pereira, and R. B. Muntifering, Auburn University, Auburn, AL.

3:45 PM 48
Soluble carbohydrate concentrations in annual cool-season forages in north Florida.

4:00 PM  Break.

4:15 PM 49
Selection of perennial peanut, annual peanut, and alfalfa hays by horses.

4:30 PM 50
Intake, digestibility and passage of sericea lespedeza hay in wether goats.
V. Wolc*, S. Solaiman, and N. Gurung, Tuskegee University, Tuskegee, AL.

4:45 PM 51
Effect of wheat forage maturity and preservation on the performance of and digestion kinetics in growing beef calves fed 40% roughage diets.
P. Beck*, B. Stewart, and S. A. Gunter, University of Arkansas, Hope, USDA/ARS SPRRS, Woodward, OK.

3:15 PM 93
Performance of suckling kids and their dams control-grazed on three tall fescue cultivars.

3:30 PM 95
The effect of weaning age on lamb growth and ewe productivity in an accelerated lambing system in the tropics.
R. W. Godfrey* and A. J. Weis, University of the Virgin Islands, St Croix, VI.

3:45 PM 96
Intake and growth of hair sheep and goats penned in single and mixed species groups of different sizes.
S. Wildeus, R. A. Stein, and J. R. Collins*, Virginia State University, Petersburg.

4:00 PM 97
The effects of free choice protein supplementation on growth of lambs and meat goat kids grazing warm season grasses.
S. Nusz¹1, M. A. Brown¹, K. R. Weathers², and E. L. Walker¹,¹ Missouri State University, Springfield, MO, USDA Grazinglands Research Center, El Reno, OK,² Redlands Community College, El Reno, OK.

4:15 PM 98
Effects of feeding peanut skins on intake, digestibility and passage rates in meat goats.
A. L. Kendricks¹, N. K. Gurung¹, D. L. Rankins, Jr.², S. G. Solaiman¹, G. M. Abdrahim³, and W. H. McElhenney¹,¹ Tuskegee University, Tuskegee, AL,²Auburn University, Auburn, AL,³Alabama A & M University, Normal.

4:30 PM 99
Sire and dam breed effects on carcass characteristics of meat goat kids from a three-breed diallel.
R. Browning, Jr.*, W. Getz², O. Phelps³, and C. Chisley,¹ Tennessee State University, Nashville,²Fort Valley State University, Fort Valley, GA,³USDA-AMS, Lakewood, CO,⁴Southern University, Baton Rouge, LA.
Influence of cattle grazing alone and with goats on forage biomass, botanical composition and browse species.
A. Abaye1, D. Schluetel1, D. Webb1, J. M. Luginbuhl2, and G. Scaglia3, 1Virginia Polytechnic and State University, Blacksburg, 2North Carolina State University, Raleigh, 3Louisiana State University, Jeanerette.

SS-ASAS Business Meeting
and Awards Ceremony
Atlanta Ballroom H
5:10 PM - 7:10 PM

Extension Reception/Dinner.
By Invitation Only
Atlanta Ballroom B
6:30 PM - 9:30 PM

Small Ruminant Subcommittee
of the NAGP
Atlanta Ballroom A
7:15 PM - 9:15 PM

Dr. Gary Hill Retirement Reception
Atlanta Ballroom G
9:00 PM - 11:00 PM

Tuesday, February 3
Registration
Atlanta Ballroom Balcony
8:00 AM - 12:00 PM

SYMPOSIA AND ORAL SESSIONS

Extension I
Chair: Matt Hersom
University of Florida, Gainesville
International Room D

8:15 AM 13
Integration of an internet-based hay directory into livestock extension programming.
J. A. Parish* and J. D. Rhinehart, Mississippi State University, Mississippi State.

8:30 AM 14
Development of extension programming for feeder cattle marketing: assessment of need, demonstration and education.
J. D. Rhinehart* and J. A. Parish, Mississippi State University, Mississippi State.

8:45 AM 15
Ways for specialists to better serve county extension agents.
T. R. Troxel*, University of Arkansas, Little Rock.

9:00 AM 16
Results of TTAR survey to determine attitudes of Tennessee beef producers on antimicrobial use and recommended animal health practices.
C. D. Lane*, A. Green2, M. Welborn1, R. Carpenter2, and J. Dunn3, 1University of Tennessee, Knoxville, 2Tennessee Department of Health, Nashville, TN.

9:15 AM 17
Effect of age of cow-calf producers on application of nutrition practices.
J. B. Neel1, B. T. Campbell1, C. D. Lane1, F. D. Kirkpatrick1, and W. W. Gill2, 1The University of Tennessee, Knoxville, 2Middle Tennessee State University, Murfreesboro.

9:30 AM 18
Effect of age of beef producers on type of operation and use of computers.
B. T. Campbell1, J. B. Neel1, C. D. Lane1, F. D. Kirkpatrick1, and W. W. Gill2, 1The University of Tennessee, Knoxville, 2Middle Tennessee State University, Murfreesboro.

9:45 AM Break.

10:00 AM 19
Use of an audience response system in extension programs.
B. L. Barham*, University of Arkansas, Little Rock.

10:15 AM 20
Operation No Fences: Extension's response to beef cattle producers impacted by hurricane Ike.
J. J. Cleere*, J. P. Banta1, and M. C. Dozier1, 1Texas AgriLife Extension, Texas A&M University System, College Station, 2Texas AgriLife Extension, Texas A&M University System, Overton.

10:30 AM 21
Use of alternative funding sources to promote nontraditional educational programs for beef producers.
J. Turner*1 and C. Lane2, 1North Carolina State University, Raleigh, 2University of Tennessee, Knoxville.
10:45 AM  22
Efficacy of growth promoting implants during a simulated 45-d preconditioning period.
J. Turner*, M. Poore, and G. Benson, North Carolina State University, Raleigh.

11:00 AM  23
Carcass trait characterization of Alabama feeder calves fed in four regions of the United States.

11:15 AM  24
Attitudinal survey of producers involved in a meat goat artificial insemination clinic.
E. L. Walker*, W. D. Walker, S. R. Nusz, and C. Levesque-Bristol, Missouri State University, Springfield, 2WalkerAgriServices, Dadevill, MO, 3Redlands Community College, El Reno, OK.

Physiology II
Stress and Immunity
Chair: Mike Looper
USDA, ARS, Boonville, AR
International Room H

8:30 AM  63
Sexually dimorphic secretion of cortisol but not catecholamines in response to an endotoxin challenge in beef calves.
N. C. Burdick*1,2, J. A. Carroll5, R. D. Randel3, R. C. Vann4, L. C. Caldwell3, L. H. Hulbert2, J. W. Dailey2, M. A. Ballou5, and T. H. Welsh, Jr.1, 1Texas A&M System, College Station, 2USDA-ARS Livestock Issues Research Unit, Lubbock, TX, 3Texas A&M System, Overton, 4Mississippi State University, Raymond, 5Texas Tech University, Lubbock.

8:45 AM  64
Bovine exhibit a sexually dimorphic innate immune response following an endotoxin challenge.
J. A. Carroll*1, L. H. Hulbert1, N. C. Burdick1,2, L. C. Caldwell2,3, J. W. Dailey1, M. A. Ballou4, R. C. Vann5, T. H. Welsh, Jr.1, and R. D. Randel2, 1Livestock Issues Research Unit, USDA-ARS, Lubbock, TX, 2Texas A&M University System, College Station, 3Texas A&M University System, Overton, 4Texas Tech University, Lubbock, 5Mississippi State University, Raymond.
Using stable isotope analysis of hair samples to differentiate between pre-weaning and post-weaning states in dairy calves.

K. Cooley*, T. Beck, D. Moore, B. Rude, S. Brookes, A. Kouba, R. Hansen, and S. Willard, 1 Mississippi State University, Mississippi State, 2 Iso-Analytical Limited, Sandbach, Cheshire, UK, 3 Memphis Zoo, Memphis, TN.

Pharmacokinetics of steer liver cytochrome P450 3A metabolism of ergot alkaloids.

A. S. Moubarak, S. Nabhan, Z. B. Johnson, M. L. Looper, and C. F. Rosenkrans, Jr., 1 University of Arkansas, Fayetteville, 2 USDA, ARS, Booneville, AR.

Responses of captive elephants to changes in environmental conditions.

S. Dray, C. Johnson, A. Smith, D. Barkle, A. Fisher, A. Kouba, and S. Willard, 1 Mississippi State University, Mississippi State, 2 Memphis Zoo, Memphis, TN.

Supplementation interval effects on development of yearling Bos indicus x Bos taurus (Brangus) and Bos taurus (Angus) beef heifers. I. Performance response and plasma metabolites.

B. R. Austin, M. J. Hersom, and J. V. Yelich, University of Florida, Gainesville, FL.

Supplementation interval effects on development of yearling Bos indicus x Bos taurus (Brangus) and Bos taurus (Angus) beef heifers. II. Puberty and reproductive performance.


Influence of ivermectin and long-acting moxidectin on the growth, reproductive efficiency, and offspring performance in replacement beef heifers.


Utilization of dried distillers grains for developing beef heifers grazing ryegrass-bermudagrass pastures.

R. C. Vann, E. L. Schenck, S. T. Willard, and J. D. Rhinehart, 1 MAFES-Brown Loam Experiment Station, Raymond, MS, 2 Department of Animal & Dairy Science, Starkville, MS, 3 Department of Biochemistry & Molecular Biology, Starkville, MS.

Feedlot performance, carcass merit, and conception rates of Brahman influenced heifer calves wintered on corn silage.

W. A. Storer, F. M. LeMieux, T. H. Shields, and C. E. Ferguson, McNeese State University, Lake Charles, LA.

Effect of time of supplementation on grazing behavior of beef calves grazing annual ryegrass.

G. Scaglia, W. E. Wyatt, and H. T. Boland, 1 Louisiana State University, Jeanerette, 2 Virginia Polytechnic Institute and State University, Blacksburg.

Comparison of four different methods of calf birth weight data collection.

T. Smith, J. A. Parish, J. R. Parish, T. F. Best, and J. T. Best, 1 Mississippi State University, Mississippi State, 2 Mississippi State University, Mississippi State, MS, USA, 3 Prairie Research Unit, Mississippi Agricultural and Forestry Experiment Station, MS, 4 Leveck Animal Research Station, Mississippi Agricultural and Forestry Experiment Station, MS.

Anthemintic resistance in small ruminants in the Delmarva region.

E. K. Crook, D. J. O'Brien, N. C. Whitley, R. Kaplan, and J. L. Eierman, 1 Delaware State University, Dover, 2 North Carolina A&T State University, Greensboro, 3 University of Georgia, Athens.
8:45 AM 102
Use of copper oxide wire particles (COWP) to control gastrointestinal nematodes (GIN) in stressed lambs or kids.
J. M. Burke*1, J. E. Miller2, and T. H. Terrill3, 1USDA, Agricultural Research Service, Booneville, AR, 2Louisiana State University, Baton Rouge, 3Fort Valley State University, Fort Valley, GA.

9:00 AM 103
Administration of copper oxide wire particles as a bolus or in feed for gastrointestinal nematode control in yearling or peri-parturient does.
J. M. Burke*1, J. E. Miller2, S. Wildeus3, and T. H. Terrill3, 1USDA, Agricultural Research Service, Booneville, AR, 2Louisiana State University, Baton Rouge, 3Virginia State University, Petersburg, 4Fort Valley State University, Fort Valley, GA.

9:15 AM 104
Effect of copper oxide wire particles incorporated into feed pellets on the peri-parturient rise in ewe fecal egg count.
S. T. Orlik*1, J. E. Miller1, J. M. Burke2, and T. H. Terrill3, 1Louisiana State University, Baton Rouge, 2USDA-ARS, Booneville, AR, 3Fort Valley State University, Fort Valley, GA.

9:30 AM 105
Effect of copper oxide wire particles as a bolus or in feed on indicators of gastrointestinal parasitism in goat kids of two breeds.
S. Wildeus*1, J. E. Miller3, and J. M. Burke3, 1Virginia State University, Petersburg, 2Louisiana State University, Baton Rouge, 3USDA-ARS, Booneville, AR.

9:45 AM 106
Use of garlic as a potential natural dewormer in small ruminants.
D. J. O’Brien1, M. C. Gooden2, N. C. Whitley3, and S. Schoenian4, 1Delaware State University, Dover, 2University of Maryland Eastern Shore, Princess Anne, 3North Carolina A&T State University, Greensboro, 4University of Maryland, Keedysville.

10:00 AM 107
Break.

10:15 AM 108
Effect of parasite management practices on fecal egg counts and fiber characteristics in alpacas.
S. Wildeus*1, A. M. Zajac2, C. J. Lupton3, and J. R. Collins1, 1Virginia State University, Petersburg, 2VA-MD Regional College of Veterinary Medicine, Blacksburg, VA, 3Texas AgriLife Research, San Angelo, TX.

10:30 AM 109
Factors affecting indicators of Haemonchus contortus infection in Polypay and percentage White Dorper ewes.

11:00 AM 110
Influence of chicory in a rotational grazing system on gastrointestinal nematodes (GIN) in sheep.
J. M. Burke1, P. L. Casey2, A. Wells2, and R. Paddock2, 1USDA, Agricultural Research Service, Booneville, AR, 2Heifer International, Perryville, AR.

11:15 AM 111
Immune status of lambs, born of protein-supplemented periparturient ewes and creep-grazed in spring, against Haemonchus contortus.
O. J. Gekara*1, W. B. Bryan2, and E. A. Basweti2, 1University of Arkansas, Pine Bluff, AR, 2West Virginia University, Morgantown.

Pasture & Forages II
Chair: Paul Beck
University of Arkansas, Hope
International Room E

10:00 AM 52
Management strategies to improve development of replacement heifers on tall fescue-based systems.
M. Miller*, J. Andrae, J. Schmidt, S. Duckett, and S. Pratt, Clemson University, Clemson, SC.

10:15 AM 53
Performance of forage-finished beef cattle grazing ryegrass, rye, or oats pastures.

10:30 AM 54
Evaluation of two warm-season legumes for creep-grazing of beef calves.
Response of summer stockers grazing bermudagrass to distillers grains supplementation.
M. S. Gadberry*, M. Morgan2, P. A. Beck3, D. S. Hubbell4, T. Hess4, J. W. Butterbaugh4, B. C. Rudolph5, and M. Smith5, 1University of Arkansas, Little Rock, 2University of Arkansas, Fayetteville, 3University of Arkansas, Hope, 4University of Arkansas, Batesville, 5Furst-McNess Company, Freeport, IL.

Influence of a single-dose, moderate term implant and supplementation type on performance of stocker cattle grazing summer grass.
C. P. McMurphy*, E. D. Sharman, S. J. Winterholler, D. A. Cox, G. W. Horn, and D. L. Lalman, Oklahoma State University, Stillwater.

Interaction of hay nutritive value and byproduct supplement in growing heifers.
J. K. Evans and R. R. Reuter*, The Noble Foundation, Agricultural Division, Ardmore, OK.

Characterizing grass-fed enhanced steaks using modified atmosphere packaging.
L. M. Sledge1, C. R. Kerth1, K. E. McMurtrie4, K. R. Willian2, M. Singh1, and C. L. Bratcher1, 1Auburn University, Auburn, AL, 2Tuskegee University, Tuskegee, AL.
Pregnancy rates following fixed-time AI in Brahman cows after administration of CIDR-based estrous synchronization protocols.
K. J. Stutts*, D. W. Forrest', and C. R. Looney2,
1Texas AgriLife Research, College Station, TX,
2OvaGenix, Inc., Bryan, TX.

Comparison of timed AI pregnancy rates in south Texas beef heifers following the CO-Synch+CIDR protocol.
S. P. Pothula*, J. Ramirez², S. Moore², R. Silguero², K. D. Arnold¹, and R. L. Stanko¹,², ¹Texas A & M University, Kingsville, ²King Ranch, Inc., Kingsville, TX, ³Texas AgriLife Research, Beeville, TX.

Comparison of a Select Synch/CIDR + timed-AI (TAI) to a modified Co-Synch/CIDR synchronization protocol in suckled Bos indicus Bos taurus cows.

Effects of body condition and forage type on endocrine factors and calving rate of Brahman-influenced cows.
M. L. Looper*, S. T. Reiter², D. M. Halford³, and C. F. Rosenkrans, Jr., ¹USDA, ARS, Booneville, AR, ²University of Arkansas, Fayetteville, ³New Mexico State University, Las Cruces.

Evaluation of two progestogen based estrous synchronization protocols in yearling heifers of Bos indicus Bos taurus breeding.

Growth characteristics and age at puberty in female offspring are affected by the type of accommodations in which gestating sows are kept.
M. J. Estienne* and A. F. Harper, Virginia Polytechnic and State University, Blacksburg.

The efficiency of refrigerators in storing animal health products.
T. R. Troxel* and B. L. Barham, University of Arkansas, Little Rock.

Effect of trenbolone acetate on lot feedlot performance and Certified Angus Beef® acceptance rate of beef steers and heifers.
G. D. Fike* and M. E. King, Certified Angus Beef LLC, Manhattan, KS.

Ingestion of an osmolite included in a free choice mineral and its effect on body condition score, hair retention and temperature of beef cattle grazing fescue pastures.
T. L. Perkins¹, R. K. Dew², A. B. Chestnut², A. M. McCorkill*, S. E. Cantrell², and L. P. Watkins², ¹Missouri State University, Springfield, ²Vigortone Ag Products, Hiawatha, IA.

Value of combustion ash from swine waste as a phosphorus supplement in swine diets.
E. van Heugten*, N. Muley², J. Koger¹, P. Burnette¹, and T. van Kempen¹,³, ¹North Carolina State University, Raleigh, ²Venky's India Limited, Pune, India, ³Provimi RIC, Brussels, Belgium.
8:00 Introductory Remarks – Dr. Jeff Boles, President & Dr. SK Ballal, Program Chair and Journal Editor

8:00 “Molecular Marker-Based Genetic Diversity Assessment of Pearl Millet Population and its Relationship with Striga Resistance” Rippy Singh, Jeffrey P. Wilson and Peng W. Chee, Cotton Molecular Breeding Laboratory, National Environmentally Sound Production Agriculture Laboratory, University of Georgia, P.O. Box 748, 2356 Rainwater Road, Tifton, Ga 31793

8:15 “Genetic Mapping For Root-Knot Nematode Resistant Genes in Pearl Millet” Lemei Liu, Gulia Surinder, Jeff Wilson, Patricia Timper, Andrew Paterson, Peng W. Chee, Cotton Molecular Breeding Laboratory, National Environmentally Sound Production Agriculture Laboratory, University of Georgia, P.O. Box 748, 2356 Rainwater Road, Tifton, Ga 31793

8:30 “Identification of Introgressed Regions in Sealand Cotton Cultivars Using Molecular Markers” Pawan Kumar, Rippy Singh, Andrew H. Paterson and Peng W. Chee, Cotton Molecular Breeding Laboratory, National Environmentally Sound Production Agriculture Laboratory, University of Georgia, P.O. Box 748, 2356 Rainwater Road, Tifton, Ga 31793

8:45 “QTLs for Resistance to Root-Knot Nematodes in Upland Cotton (Gossypium hirsutum L.)” Yajun He, Naem Iqbal, Hussain Khalid, Xinlian Shen, Baohua Wang, Richard Davis, Pawan Kumar and Peng W. Chee, Cotton Molecular Breeding Laboratory, National Environmentally Sound Production Agriculture Laboratory, University of Georgia, P.O. Box 748, 2356 Rainwater Road, Tifton, Ga 31793

9:00 “QTL Mapping of Root Architecture Traits in an Interspecific Gossypium hirsutum x Gossypium barbadense Population” Baohua Wang, Muhammad Babar, Sajid ur Rahman, Xinlian Shen and Peng W. Chee, Cotton Molecular Breeding Laboratory, National Environmentally Sound Production Agriculture Laboratory, University of Georgia, P.O. Box 748, 2356 Rainwater Road, Tifton, Ga 31793

9:15 “Proteomic Analysis of Peanut Tissue Subjected to Water Stress” Ramesh Katam, Hemanth Vasanthaiah, Mehboob B. Sheikh and Naik KSS, Center for Viticulture and Small Fruit Research, Florida A&M University, 6505 Mahan Drive, Tallahassee, FL 32317


10:15 “Biochemical and Molecular Analysis of Pierce’s Disease in Vitis Species” Hemanth Vasanthaiah, Ramesh Katam and Mehboob B. Sheikh, Center for Viticulture and Small Fruit Research, Florida A&M University, 6505 Mahan Drive, Tallahassee, FL 32317.

10:45 “Controlled Environment Facilities for Plant Process Quantification and Modeling” K. Raja Reddy, Department of Plant and Soil Sciences, Box 9555, Mississippi State University, Mississippi State, MS 39762

11:15 “Mechanisms Controlling Iron Transport Across Membranes in Plants.” Erin L. Connolly, Indrani Mukherjee, Jeeyon Jeong, Huijun Yang and Mary Lou Guerinot, Department of Biological Sciences, University of South Carolina, Columbia, SC 29205 and Dartmouth College, Hanover, NH 03775

11:45 – 1:00 Lunch Break

1:00 “Potential Hardwood Tree Species for Biofuels in the Southeast United States” Clifford Louime, Oghenekome Onokpise and Donald Rockwood, Center for Viticulture, Florida A&M University, 6505 Mahan Drive, Tallahassee, FL 32317
1:30 "Physical and Thermal Treatment of Poultry Litter" Kaushlendra Singh, Mark Risse, K. C. Das, John Worley and Sid Thompson, Department of Biological and Agricultural Engineering, Driftmier Engineering Center, The University of Georgia, Agriculture Drive, Athens, GA 30602.

2:00 "Application and Interaction of Ethylene Receptor Antagonists as Volatile Compounds and Salts" Edward C. Sisler and Margrethe Serek, Department of Molecular and Structural Biochemistry, North Carolina State University, Raleigh NC 27695 and Department of Natural Sciences, Institute of Ornamental and Woody Plant Sciences, Leibniz University of Hannover, Hannover, Germany.

2:30 "Induction and Regulation of Cytochrome P450 Genes in Drosophila" Ranjan Ganguly, Biochemistry: Cellular and Molecular Biology, University of Tennessee, Knoxville, TN.

3:00 "The Novel Mechanism of Atrazine Resistance in Amaranthus palmeri" William Vencill, Eric Prostko and Patrick Tranel, Department of Crop & Soil Sciences, 120 Carlton Street, Miller Plant Sciences, Athens, GA 30602.

3:30 "Development of Bt Booster Platform Technology for Pest Insect Control" Michael Adang, Mohd Amir Abdullah, Milton Taylor, Younjin Park and Gang Hua, Department of Entomology, The University of Georgia, 120 Cedar Street, Athens, GA 30602.

4:00 "Heterologous Expression of Plant and Animal 1-Cys Peroxiredoxin Genes" Takashi Ueda, Florida Gulf Coast University, Department of Biological Sciences, Fort Myers, FL 33965.

4:30 "Global Analysis of Gene Expression of Listeria Monocytogenes 10403S and a SigB Mutant Following Exposure to Metabolic Inhibitors" Bwalya Lungu and Joe Frank, Department of Food Science, 100 Cedar Street, University of Georgia, Athens, GA 30602.

5:00 Closing Remarks
SUNDAY, FEBRUARY 1, 2009

7:00 am - 6:00 pm
Registration
Presiding: Dave Reed
Room: International Balcony (L6)

8:00 am – 12:00 pm
Set up Posters
Presiding: Christine Coker
Room: The Overlook Room

8:00 am – 12:00 pm
J. Benton Storey Horticulture Judging Contest Setup
Presiding: Leo Lombardini, ACB Advisor
Room: Augusta I

8:00 am -10:00 am
Extension Section
Presiding: David Lockwood
Room: International Room G

8:00 am - 5:00 pm
National Sweetpotato Collaborators
Presiding: TBA
Room: International Room F

8:00 pm - 5:00 pm
Watermelon Research Group
Presiding: Steve King
Room: International Room D

8:00 am - 9:15 am
J. B. Edmond Undergraduate Student Paper Competition
Presiding: Dustin Blue, ACB President
Doug Bailey, SR-ASHS President
Mike Arnold, Section Chair & Judging Coordinator
Room: International Room E

9:00 am – 12:00 pm
Vigna Crops Germplasm Committee
Presiding: Richard Fery
Room: International Room C

MONDAY, FEBRUARY 2, 2009

7:00 am - 10:00 am
Registration
Presiding: Dave Reed
Room: International Balcony (L6)
8:00 pm - 11:00 pm
Poster Session Viewing
Room: The Overlook Room

8:00 am - 10:45 pm
Vegetable Crops Section
Presiding: Terry Kelley
Room: International Room F

8:00 am - 10:30 pm
Fruit Crops Section
Presiding: Eric Stafne
Room: International Room G

8:00 am - 10:00 am
Floriculture, Ornamentals and Turf Section
Presiding: Ed Bush
Room: International Room E

8:00 am - 10:45 am
Postharvest/Biotechnology/Plant Biology Section
Presiding: Elizabeth Baldwin
Room: Tower Room 1403

9:00 am - 10:45 am
ACB Business Meeting
Presiding: Dustin Blue ACB President
Room: International Room D

11:00 am - 12:30 pm
Annual Business Meeting and Award Program
Presiding: Doug Bailey, President
Room: International Room D

1:00 pm - 3:00 pm
Vegetable Crops Section – Concurrent Session A
Presiding: Terry Kelley
Room: International Room F

1:00 pm - 3:00 pm
Vegetable Crops Section – Concurrent Session B
Presiding: TBA
Room: International Room E

1:00 pm - 2:00 pm
Fruit Crops Section
Presiding: Eric Stafne
Room: International Room G

1:00 pm - 4:00 pm
Poster Session Take Down

SAAS Program
Ag Renewable Energy Opening Session and Symposium (tentative)
10:00 pm Where has all the Money Gone (Ag Econ)
1:00 pm Technical/Academic Papers (Rural Sociology)
3:00 pm Take it to the Market (Ag. Comm)
Room: Vinings Rooms I & II

8:00 am – 9:15am
Order of presentations determined by drawing at beginning of contest.

Amending Pine Bark Supplies with WholeTree and Clean Chip Residual. Murphy, A.M.,* C.H. Gilliam, G.B. Fain, T.V. Gallagher, and H.A. Torbert, Department of Horticulture, Auburn University, Auburn, AL 36849. (murpham@auburn.edu)

Can Honey be used as an auxin substitute for rooting cuttings? Erin E. Melville*, Weiguang Yi, and Hazel Y. Wetzstein. Department of Horticulture, 1111 Miller Plant Science, University of Georgia, Athens, GA 30602-7272. (hywetz@uga.edu)

Interesting Edibles: Designing an Edible Ornamental Garden for the Cliffs Botanical Garden. Tina Musco*, Renee K. Byrd, and Mary Taylor Haque. Department of Horticulture, Clemson University, Clemson, SC 29634. (jkeydos@clemson.edu)

8:00 am - 10:00 am
Floriculture, Ornamentals and Turf Section
Presiding: Ed Bush
Room: International Room E

8:00 am - 10:45 am
Postharvest/Biotechnology/Plant Biology Section
Presiding: Elizabeth Baldwin
Room: Tower Room 1403

9:00 am - 10:45 am
ACB Business Meeting
Presiding: Dustin Blue ACB President
Room: International Room D

11:00 am - 12:30 pm
Annual Business Meeting and Award Program
Presiding: Doug Bailey, President
Room: International Room D

1:00 pm - 3:00 pm
Vegetable Crops Section – Concurrent Session A
Presiding: Terry Kelley
Room: International Room F

1:00 pm - 3:00 pm
Vegetable Crops Section – Concurrent Session B
Presiding: TBA
Room: International Room E

1:00 pm - 2:00 pm
Fruit Crops Section
Presiding: Eric Stafne
Room: International Room G

1:00 pm - 4:00 pm
Poster Session Take Down

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Changes in Edible Quality and Aroma Profile of ‘Arkin’ carambola Fruit During Ripening on the Tree. Oren Warren*, Steven Sargent, Anne Plotto and Elizabeth Baldwin. University of Florida, 1301 Fifield Hall, Gainesville, FL 32611. (owarren@ufl.edu)

Effect of Sowing Depth and Soil Type on Germination and Initial Growth of Three Native Wildflower Species. Lauranne Bond*, Amy N. Wright and E. A. Guertal. Departments of Horticulture and Agronomy and Soils, Auburn University, Auburn, AL 36849. (bondlau@anburn.edu)

Effects of High Tunnels and Cane-Mowing Regimen on the Growing Degree Unit Response and Requirements of Primocane-Fruiting Blackberries. Christopher I. Vincent*, Curt R. Rom and M. Elena Garcia. Department of Horticulture, University of Arkansas, Fayetteville, AR 72701. (civince@uark.edu)

Evaluation of Fertility in Floricane- and Primocane-Fruiting Blackberry (Rubus L. spp) Genotypes. Alisha Ruple*, John R. Clark and M. Elena Garcia. Department of Horticulture, University of Arkansas, Fayetteville, AR, 36849. (wernek@auburn.edu)

Fertilizer Recommendations for Alternative Substrates. Whitney Griffin*, Glen Fain, Charles Gilliam, Donald J. Eakes, Jeff Sibley and Ben Richardson. Department of Horticulture, Auburn University, Auburn, AL, 36849. (phmccord@ncsu.edu)
Determination of the Optimal Ripeness Stage for Processing ‘Kent’ Mango into Fresh-Cut Slices. Sharon Dea*, Jeffery K. Brecht and Cecilia N. Nunes, University of Florida, 1301 Fifield Hall, Gainesville, FL 32611. (shdea@ufl.edu)

Genetic and Quantitative Analysis of Red Raspberry (Rubus idaeus L.): Heat Tolerance and Using Chlorophyll Fluorescence to Assess Heat Stress. Ramon Molina Bravo*, Gina E. Fernandez and Bryon Sosinski, Horticultural Science Department, North Carolina State University, Raleigh, NC 27695. (rmolina2@ncsu.edu)

Spinach Yield, Quality and Nutritional composition Fertilized in a Growth Chamber Environment with Organic and Synthetic Nutrient Solutions. Brian K. Ward* and Robert J. Dufault, Department of Horticulture and Clemson University Coastal Research and Extension Center, Charleston, SC 29414. (bw@clemson.edu)

EXTENSION SECTION

Room: International Room G  
Presiding: David Lockwood

8:00 am  Solving the Puzzle: Dealing With a New Pest, Adrian Hunsberger*1, Catherine Mannion2, Henrique Mayer1, Mary Lamberts1, and Ruben Regalado1, 1University of Florida/IFAS Miami-Dade Extension, 18710 SW 288th Street, Homestead, FL 33030, 2University of Florida/IFAS Tropical Research & Education Center, 18905 SW 280 Street, Homestead, FL 33031. (aghui@ufl.edu)

8:15 am  Responding to Growers' Needs for Worker Protection Standard Training, Mary Lamberts* and Ruben Regalado, UF Miami-Dade County Extension and Sonia Cotto Febo, Florida Department of Agriculture & Consumer Service. (lamberts@ifas.ufl.edu)

8:30 am  Web-based Student Evaluation of the Oklahoma Grape Management Short Course, Eric T. Stafne*, William G. Mc Glynn1, and Phillip G. Mulder, Jr.2, 1Dept of Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK 74078, 2Dept of Entomology and Plant Pathology, Oklahoma State Univ., Stillwater, OK 74078. (eric.t.stafne@okstate.edu)

9:00 am break

9:15 am  Finding the Forest in the Trees: Using GPS Technology to Train Master Gardeners for Urban Tree Inventories, David Berle, Department of Horticulture, University of Georgia, Athens, GA 30602-7273. (dberle@uga.edu)

9:30 am  Landscape Technician Certification for Prison Inmates in Florida. Geoff Denny, Environmental Horticulture Department, University of Florida/IFAS Gulf Coast REC, 14625 C.R. 672, Wimauma, FL 33598. (gcdenny@ufl.edu)

9:45 am  Volunteer Management: Necessary Evil or Blessing in Disguise? Marina D’Abreau, University of Florida/IFAS Hillsborough County Extension, 5339 County Rd. 579, Seffner, FL 33584-3334 (mdabreau@ufl.edu).

EDUCATION SECTION

Room: International Room G  
Presiding: Brian Kahn

3:00 pm  Challenges, Stratagems and Gratification of Teaching a Study Abroad Course in Horticulture to Non-major Students. Leonardo Lombardini*, Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843-2133. (l-lombardini@tamu.edu)

3:15 pm  Studying Abroad in a College of Agricultural and Life Sciences – What do the Students Think? Mark Rieger*, College of Agricultural and Life Sciences, University of Florida, Gainesville, FL 32611-0270. (mrrieg@ufl.edu)
3:30 pm  Transfer Planning Guides to Facilitate Articulation between Junior-college and Baccalaureate-level Horticulture Programs. Brian A. Kahn*, Department of Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK 74078-6027. (brian.kahn@okstate.edu)

3:45 pm  General Education and General Interest Courses as Recruiting Tools for the Horticulture Undergraduate Programs. Bala Rathinasabapathi* and Rebecca Darnell, Horticultural Sciences Department, University of Florida, Gainesville, FL 32611-0690. (brath@ufl.edu)

4:00 pm break

4:15 pm  Turning Over a New Leaf: Creative Tools for Student Engagement and Recruitment in a Large-size Introductory Horticulture Class. David Berle*, Department of Horticulture, University of Georgia, Athens, GA 30602-7273. (dberle@uga.edu)

4:30 pm  A Preliminary Analysis of a Novel Horticulture Bachelor of Arts Degree Program. Jayne M. Zajicek, Sharon A. Duray, R. Daniel Lineberger* and Tim D. Davis, Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843-2133. (dan-lineberger@tamu.edu)

4:45 pm  Impact of a Non-thesis Distance Graduate Program on Horticulture Enrollment: A Three Year Study. C.B. McKenney*, Department of Plant and Soil Science, Texas Tech University, Lubbock, TX 79409-2122. (Cynthia.McKenney@ttu.edu)

POSTERS

Room: The Overlook Room
Presiding: Christine Coker

Set-Up: Sunday, 8:00 am – 12:00 pm
Poster Viewing: Sunday, 12:00 pm – Monday, 11:00 pm
Authors at poster: Sunday, 1:00 pm - 1:45 pm even numbered posters
1:45 pm - 2:30 pm odd numbered posters

Student competition  Sunday, 2:30 pm – 3:30 pm students at posters
Take-down: Monday, after Business Meeting and by 4:00 pm

“G” or “U” following the poster number indicates graduate and undergraduate poster, respectively, for the purpose of the National Cowpea Poster Competition. Undergraduate and Graduate students in the poster competition must be by their posters during the “Authors at Poster” time, Sunday at 3:00 pm.

Floriculture, Ornamentals and Turf

1G) Chemical Composition of the Medicinal Plant, Marrubium vulgare grown under greenhouse versus in vitro conditions. James W. Gegogeine*, Weiguang Yi, and Hazel Y. Wetzstein. Department of Horticulture, 1111 Miller Plant Science Building, University of Georgia, Athens, GA 30602-7273. (hywetz@uga.edu)


3G) Influence of Four Rates of NaCl and CaCl2/KCl on Leaf Osmotic Potential and Nutrient Concentration in Three Genotypes of Taxodium distichum. Lijing Zhou*, Dave Creech, Leon Young, and Dave Kulhavy. College of Forestry and Agriculture, Stephen F. Austin State University, Nacogdoches, TX 75962-3000. (zhoul@titan.sfasu.edu)

4) Boston Fern Production in Whole Pine Tree Substrates. Anthony L. Witcher1*, James M. Spiers1, and Glenn B. Fain2. 1USDA-ARS Southern Horticultural Lab, 810 Hwy. 26 West, Poplarville, MS 39470, 2109 Funchess Hall, Auburn University, AL 36849. (Anthony.Witcher@ARS.USDA.GOV)

Fruit Crops

5) Determining Optimal Fertilizer Program During Peach Establishment Years in a High Density Orchard System. M. Elena Garcia*, E. Stafne, D. Chapman, K. Woodburn, Qingfang Chen, and M. Carter. 310 Plant Sciences Bldg., University of Arkansas, Fayetteville, AR 72701. (megarcia@uark.edu)
6) Survey of Pecan management and challenges within the Noble Foundation service area. Charles T. Rohla* and Joshua W. Chaney, Agricultural Division, The Samuel Roberts Noble Foundation, Ardmore, OK 73401. (ctrohla@noble.org)

7) Evaluation of Seven Mulching Treatments for Organic Rabbiteye Blueberry Production. G. Krewer1*, M. Tertuliano2, J.E. Smith1, H. Scherm1, K. Plattner1, J. Clark1, J. Jacobs1, E. Andrews1, D. Stanaland1, T. Varnadore1, P. Andersen1, O. Liburd3, and G. Fonsah1 1Univ. of Georgia, Tifton, Ga. 31793 or other locations, 2Univ. of Florida, Quincy, Fla. 32351, 3Univ. of Florida, Gainesville, Florida. 32611 (gkrewer@uga.edu)

8) Recent Experiments Involving ‘Veinte Cohol’: A Short Cycle Banana For Fruit Production In Non-tropical Environments. Richard H. Wallace1*, Gerard Krewer2, and Suzanne R. Carpenter1, 1Department of Chemistry and Physics, Armstrong Atlantic State University, Savannah, GA 31419, 2Department of Horticulture, University of Georgia-Tifton Campus, Tifton, GA 31793. (richard.wallace@armstrong.edu)


10) Bioactive compounds in organically grown pecan kernels. Jose Perez*. USDA-ARS, KGSRC, 2413 E. Hwy 83, Weslaco TX 78596. (Jose.Perez@ARS.USDA.GOV)

**Vegetable Crops**

11) Evaluation of fresh seed yield of southern pea genotypes in Southern Arkansas. Sixte Ntamatungiro*, S.O. Okioro, and J. Davis. Department of Agriculture, University of Arkansas, Pine 12) Bluff, AR 71601. (ntamatungiros@uapb.edu)

12) Effect of continuous and rotated crop sequences on vegetable production by limited resource farmers in Arkansas. Sixte Ntamatungiro, J. Davis, and J. Handcock. Department of Agriculture, University of Arkansas, Pine Bluff, AR 71601. (ntamatungiros@uapb.edu)

**HORTICULTURAL SCIENCE**

13) Efficacy of Foliar Sprays for Management of Downy Mildew of Winter Squash. A.H. Beany1*, K. Pernezny2, P. J. Stoffella1, and N. Havranek2. 1University of Florida, IFAS, Indian River Research and Education Center, 2199 South Rock Road, Fort Pierce, Florida 34945-3138, USA. 2University of Florida, IFAS, Everglades Research and Education Center, 3200 East Palm Beach Road, Belle Glade, Florida 33430-4702, USA. (ahbeany@ufl.edu)

14) Phenotypic Variability in Hot Pepper (Capsicum annum L.) Breeding Lines. Mohammad Jalaluddin* and Shahidul Islam, Department of Agriculture, University of Arkansas at Pine Bluff, Pine Bluff, AR 71601. (jalaluddinm@uapb.edu)

**Other**

15) Horticultural Therapy on the Mississippi Gulf Coast. Christine E.H. Coker*. Coastal Research and Extension Center, Mississippi State University, 1815 Popps Ferry Road, Biloxi, MS 34565. (ccoker@ra.msstate.edu)

16) Using Suspension Culture System to Screen Plant Species for Phytoremediation. Guochen Yang*, Zhongge (Cindy) Lu, and Vestal Shirley, Department of Natural Resources and Environmental Design, North Carolina A&T State University, Greensboro, NC 27411 (yangg@ncat.edu)

Monday, February 2, 2009

**POSTERS**

Room: The Overlook Room
Presiding: Christine Coker

Poster Viewing Monday 8:00-11:00 am
Take-down: Monday, after Business Meeting and by 4:00 pm

**VEGETABLE CROPS SECTION**

Room: International Room F
Presiding: Terry Kelley
Morning Session

8:00 am **Tomato Yield and Quality for Commercial Production in Tennessee and Kentucky.** Annette L. Wszelaki†*, Jose Vargas, Mary Rogers, Sarah Broughton, D.J. Mitchell and Timothy Coolong†, 1Department of Plant Sciences, University of Tennessee, 252 Ellington Plant Sciences Bldg, 2431 Joe Johnson Dr., Knoxville, TN 37996, 2Department of Horticulture, N-318 Agricultural Sciences North, University of Kentucky, Lexington, KY 40546. (annettew@utk.edu)

8:15 am **The Best of Both Worlds: Bicolor Sweet Corn Varieties for the Grower and Consumer.** Annette L. Wszelaki*, Brad Fisher and Brent Smith, Department of Plant Sciences, University of Tennessee, 252 Ellington Plant Sciences Bldg, 2431 Joe Johnson Dr., Knoxville, TN 37996. (annettew@utk.edu)

8:30 am **Transplant Cell Size Affects Transplant Size and Subsequent Broccoli Yield.** Juan C. Diaz-Perez* and John Silvoy, Department of Horticulture, University of Georgia, Tifton Campus, P.O. Box 748, Tifton, GA 31793. (jcdiaz@uga.edu)

8:45 am **Melon Grafting Eliminates Soil Fumigation and Improved Fruit Quality and Marketable Yield.** Richard L. Hassell* and Frederic D. Memmott, Clemson University CREC, 2700 Savannah Highway Charleston, SC 29414 (rhhassel@clemson.edu)

9:00 am **Distribution of Tomato Fruit Sizes by Variety as Affected by Various Treatment Conditions Grown in the Greenhouse at Tifton, GA.** B.G. Mullinix†*, S.G. Phatak2 and J. Cooper. 1Texas A&M University, Agrilife Research & Extension Center, 1102 FM 1294, Lubbock, TX 79403, 2Department of Horticulture, University of Georgia, Tifton, GA 31793 (bgmullinix@ag.tamu.edu)

Break 9:15 am

9:30 am **Practical Method for Irrigation Chlorination: Field Experiences with Lettuce and Tomato.** Christopher C. Gunter†*, Jose Garzon†, Connie Fisk†, Trevor Phister², Garry Grabow³, and Kelly Ivors⁴, 1230 Kilgore Hall, Box 7609, Department of Horticultural Science, North Carolina State University, Raleigh, NC 27695-7609. 22339-B Schaub Hall, Department of Food, Bioprocessing and Nutrition Sciences, North Carolina State University, Raleigh, NC, 3Department of Plant Pathology, North Carolina State University, Mountain Horticultural Crops Research and Extension Center, Mills River, NC. (chris_gunter@ncsu.edu)

9:45 am **The Effects of Pulsing Drip Irrigation on Tomato Yield and Quality.** Timothy Coolong, Department of Horticulture, N-318 Agricultural Sciences North, University of Kentucky, Lexington, KY 40546-0091. (tcool2@email.uky.edu)

10:00 am **Effects of Colored Shade Cloth on Yield and Grade of Bell Pepper Grown in a High Tunnel.** William G. Sherrer*, Wheeler G. Foshee, J. Raymond Kessler and James E. Brown, Department of Horticulture, Auburn University, Auburn University, AL 36849. (sherrwg@auburn.edu)

10:15 am **Effect of Colored Plastic Mulches and Row Cover on the Growth and Production of Sweet Potato.** Danieal M. Sullen*, James E. Brown, Floyd M. Woods, Edgar L. Vinson and Jason E. Burkett. 101 Funchess Hall, Department of Horticulture, Auburn University, Auburn University, AL 36849. (brownj6@auburn.edu)

10:30 am **Influence of Plastic Mulch Color on Carotenoid Content and Antioxidant Properties in Sweet Potato.** Floyd M. Woods*, Daniel Sullen, James E. Brown, Benjamin Blasius and Jason E. Burkett, 101 Funchess Hall, Department of Horticulture, Auburn University. Auburn University, AL 36849. (woodsfm@auburn.edu)

Break 11:00-12:30 Business meeting
1:00 pm Two-Year Evaluation of Pepper Herbicides Applied Under Plastic. Joseph G. Masabni1*, Dwight E. Wolfe2. 1221 HFSB, Department of Horticulture, Texas A&M University, College Station, TX 77843-2134, 2University of Kentucky Research and Education Center, 1205 Hopkinsville St, Princeton, KY. (jmasabni@ag.tamu.edu)

1:15 pm Two-Year Evaluation of Sweet Sorghum Herbicides. Joseph G. Masabni1*, Dwight E. Wolfe2. 1221 HFSB, Department of Horticulture, Texas A&M University, College Station, TX 77843-2134, 2University of Kentucky Research and Education Center, 1205 Hopkinsville St, Princeton, KY. (jmasabni@ag.tamu.edu)

1:30 pm Organic Production of Vidalia Onions. George Boyhan1*, Ray Hicks2, Reid Torrance3, Cliff Riner4 and Denny Thigpen4, 1Department of Horticulture, University of Georgia, Southeast Georgia Extension Center, P.O. Box 8112, Statesboro, GA 30460, 2Screven County Extension, 321 Rocky Ford Rd., Sylvania, GA 30457, 3Tattnall County Extension, P.O. Box 558, Reidsville, GA 30453, 4Vidalia Onion and Vegetable Research Center, 8163 Highway 178, Lyons, GA 30436. (gboyhan@uga.edu)

1:45 pm Specialty Eggplants (Solanum melongena L.) Yield Well in Mississippi Using Organic or Inorganic Production Methods. W.B. Evans*, E.E. Rayburn, N. Winter and C.E. Coker. Mississippi State University Truck Crops Branch, P.O. Box 231, Crystal Springs, MS 39059-0231. (wbe@ra.msstate.edu)

Break

2:15 pm Dimethyl Disulfide Use for Bacterial Wilt Management and Weed Control in Virginia Tomatoes. Josh Freeman*, Steve Rideout and Adam Wimer. Virginia Tech Eastern Shore AREC, 33446 Research Drive, Painter, VA 23420. (joshfree@vt.edu)

2:30 pm Fungicide Efficacy Studies on Leafy Greens. Juan R. Anciso, Department of Horticultural Sciences, Texas AgriLife Extension Service, Weslaco, Texas 78596. (j-anciso@tamu.edu)

2:45 pm Field Trials of the Tissue Culture Taro in the Northern Mariana Islands. Dilip Nandwani, Crop Improvement Cooperative Research Extension and Education Service (CREES), Northern Marianas College, P.O. Box 501250, Saipan MP 96950, Northern Mariana Islands. (dilipnandwani@yahoo.com)

Concurrent Afternoon Session B

Room: International Room E
Presiding: TBA

1:00 pm An Economical Analysis of Nutrient Management Programs for Fresh Market Tomatoes Grown with Plasticulture in the BMP Era. Aparna Gazula*, Eric Simonne, Fritz Roka, George Hochmuth, Michael Dukes and Peter Nkedi-Kizza, Horticultural Sciences Department, 1241 Fifield Hall, P.O. Box 0690, Gainesville, FL 32611-0690. (esimonne@ufl.edu)

1:15 pm Ionic Interferences to Nitrate and Potassium Analyses with Ion-selective Electrodes. Francesco Di Gioia*, Eric H. Simonne, M. Gonnella, P. Santamaria, Aparna Gazula and Zenyth Sheppard, Horticultural Sciences Department, 1241 Fifield Hall, P.O. Box 0690, Gainesville, FL 32611-0690. (esimonne@ufl.edu)

1:30 pm Advantages and Limits of Integrating Forecasts of El Nino Southern Oscillation (ENSO) Hases into Fertilizer Recommendations. Eric. H. Simonne*, Clyde W. Fraisse and Zhengjun Hu, Horticultural Sciences Department, 1241 Fifield Hall, P.O. Box 0690, Gainesville, FL 32611-0690. (esimonne@ufl.edu)

1:45 pm Determining Optimum Nitrogen Rates for Sweet Corn in Georgia. Josh Mayfield* and W.T. Kelley. University of Georgia, Tifton Campus, P.O. Box 748, Tifton, GA 31793. (joshmay@uga.edu)

Break
2:15 pm Can Alternate N Sources and Additives Reduce Nutrient Costs in Vegetables? W.T. Kelley* and Denne Bertrand. University of Georgia, Tifton Campus, P.O. Box 748, Tifton, GA 31793. (wtkelley@uga.edu)

2:30 pm Does Granular Preplant Nitrogen Source Influence a Staked Tomato (Lycopersicon esculentum Mill.) Crop? W.B. Evans*, L.E. Rayburn and P.M. Hudson. Mississippi State University Truck Crops Branch, P.O. Box 231, Crystal Springs, MS 39059-0231. (wbe@ra.msstate.edu)

2:45 pm Phosphorus Nutrition of Romaine Lettuce in North Carolina. Christopher C. Gunter1*, Jose Garzon1 and Bill Jester2, 11230 Kilgore Hall, Box 7609, Department of Horticultural Science, North Carolina State University, Raleigh, NC 27695-7609, 22202 Cunningham Road, Department of Horticultural Science, North Carolina State University, Kinston, NC 28501. (chris_gunter@ncsu.edu)

FRUIT CROPS SECTION

Room: International Room G
Presiding: Eric Stafne

Morning Session

8:00 am Preliminary Studies of Pruning Primocane Blackberries and Raspberries for Autumn Harvest Timing in a Sustainable and Organic Production System. Curt R. Rom1*, Heather Friedrich1, Jason McAfee1, Elena Garcia1, Christopher Vincent1, and Donn Johnson2, 1316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701, 2319 Agriculture Hall, Department of Entomology, Fayetteville, AR 72701. (crom@uark.edu)

8:15 am Row Covers Increase Yield and Advance Season of Ripening of Primocane Fruiting Blackberry Genotypes in the North Carolina Mountains. Gina Fernandez*, Jim Ballington and Absalom Shank, Department of Horticultural Science, North Carolina State University, Box 7609, Raleigh NC, 27695. (gina_fernandez@ncsu.edu)

8:30 am Blackberry Cultivar Performance in Central Alabama. Robert Boozer1*, Elina Coneva2, and Jim Pitts1, Auburn University, 1Chilton Research and Extension Center, P.O. Box 366, Clanton, AL 35045, 2101 Funchess Hall, Department of Horticulture, Auburn University, Auburn, AL 36849. (boozer@auburn.edu)

8:45 am Blueberry Fruit Quality and Antioxidant Capacity as Affected by Fruit Ripeness. Donna A. Marshall* and James M. Spiers, USDA-ARS, Thad Cochran Southern Horticulture Laboratory, Poplarville, MS, 39470. (donna.marshall@ars.usda.gov)

9:00 am Status of the Developing Rabbiteye and Southern Highbush Blueberry Industry in South China in 2008. David Creech*, College of Forestry and Agriculture, Stephen F. Austin State University, Nacogdoches, TX 75962-3000. (dcreech@sfasu.edu).

9:15 am Break

9:30 am Using Budgets to Identify Best Practices: A Case Study in Organic Apples German Rodriguez1, Jennie Popp1*, Curt Rom2 and Heather Freidrich2, 1217 Agricultural Hall Department of Agricultural Economics and Agribusiness, 2316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701. (jhpopp@uark.edu)
The Effects of Ground Cover Management Systems on Weed Density and Rodent Damage in a Sustainable and Organic Apple Orchard. Curt R. Rom1*, Jason McAfee1, Heather Friedrich1, Hyun-Sug Choi1, Donn Johnson2, and Elena Garcia1, 1316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701, 319 Agriculture Hall, Department of Entomology, Fayetteville, AR 72701. (crom@uark.edu)

Effect of Aminoethoxyvinylglycine (AVG) on Fruit Size and Quality of Peaches. Elina Coneva1* and J. Pitts2, 101 Funchess Hall, Department of Horticulture, Auburn University, Auburn, AL 36849, 2Auburn University, Chilton Research and Extension Center, P.O. Box 366, Clanton, AL 35045. (edc0001@auburn.edu)

Learning from Model Species: A Case Study of Comparative Genomics in Arabidopsis, Populus, Peach, and Apricot. Sergio Jimenez1*, Zhigang Li1, Amy L. Lawton-Rauh2, Gregory L. Reighard1, Albert G. Abbott1 and Douglas G. Bielenberg1,3, 1Department of Horticulture, Clemson University, Clemson, SC 29634-0319 U.S.A., 2Department of Genetics & Biochemistry, Clemson University, Clemson, SC 29634-0318 U.S.A., 3Department of Biological Sciences, Clemson University, Clemson, SC 29634-0314 U.S.A. (sergij@clemson.edu)

Comparison of Field Grown Grapevine Stomatal Conductance Measurements using Differing Porometers. Thayne Montague1*, Edward Hellman, and Michael Krawitzky. 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)

Crop Load Affects Crown Gall Expression in ‘Cabernet Sauvignon’ after the 2007 Spring Freeze. Eric T. Stafne and Becky L. Carroll, Department of Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK 74074.

Mississippi Muscadines: Cultivar Performance and Properties. Stephen J. Stringer1*, Donna A. Marshall, and James M. Spiers, USDA-ARS, Thad Cochran Southern Horticulture Laboratory, Poplarville, MS, 39470. (stephen.stringer@ars.usda.gov)

National Earth Kind Rose Cultivar Trial in Louisiana: Blackspot Observations from 2007 and 2008. Allen Owings1* and C. Allen Broyles2. 1LSU AgCenter, Hammond Research Station, 21549 Old Covington Highway, Hammond, LA 70403, 2LSU AgCenter, Burden Center, 4560 Essen Lane, Baton Rouge, LA 70809. (aowings@agcenter.lsu.edu)

New Liriope Cultivar Evaluations in the Landscape. Allen Owings, Yan Chen and Regina Bracy. LSU AgCenter, Hammond Research Station, 21549 Old Covington Highway, Hammond, LA 70403. (aowings@agcenter.lsu.edu)
8:45 am  Reproductive Biology of Elliottia racemosa, a Rare Coastal Plain Endemic. * Carrie A. Radcliffe*, James A. Affolter, and Hazel Y. Wetzstein. Department of Horticulture, 1111 Miller Plant Science Building, University of Georgia, Athens, GA 30602-7273. (hywetz@uga.edu)

9:00 am  Break

9:15 am  An Overview of the Significant Woody Ornamental Collections in the SFA Mast Arboretum. Dave Creech, College of Forestry and Agriculture, Stephen F. Austin State University, Nacogdoches, TX 75962-3000. (dcreech@sfasu.edu)

8:30 am  Quality of Organically Grown Cherry Tomatoes for the Oklahoma Farm to School Program. Penelope Perkins-Veazie1*, Angela Davis1, and Niels Maness2, 1South Central Agricultural Research Lab, USDA-ARS, P.O. Box 159, Hwy. 3 West, Lane, OK 74555; 2Oklahoma State University. (pperkins-USDA@lane-ag.org)

9:00 am  Break

9:15 am  Assessment of Edible Coatings for Fresh Peach Slices. Kathy Taylor1 and Elizabeth Baldwin2, 1Southeastern Fruit and Tree Nut Laboratory, 21 Dunbar Road, Byron, GA 31008; 2USDA-ARS Citrus & Subtropical Products Laboratory, Winter Haven, FL 33881. (kctaylor@uga.edu)

8:00 am  Introduction to the Session, Use of Enose to Determine Mango Maturity. Elizabeth Baldwin, USDA-ARS Citrus & Subtropical Products Laboratory, 600 Ave. S N.W., Winter Haven, FL 33881. (Liz.Baldwin@ars.usda.gov)

9:00 am  Break

9:30 am  Various Foliar Potassium Fertilization Sources on Field-Grown Muskmelon: Effects on Yield and Market Quality. Gene Lester1 and John Jifon2, 1USDA-ARS Kika de Garza Subtropical Agricultural Research Center, 2413 E. U.S. Hwy 83, Weslaco, TX 78596; 2Texas A&M AgriLife Sciences, Weslaco, TX. (Gene.Lester@ars.usda.gov)

8:15 am  Quality of Four Basil Types after Storage at 3 to 10 ºC. Penelope Perkins-Veazie1*, Angela Davis1, and Niels Maness2, 1USDA-ARS, South Central Agricultural Research Lab, USDA-ARS, P.O. Box 159, Hwy. 3 West, Lane, OK 74555; 2Oklahoma State University. (pperkins-USDA@lane-ag.org)
10:15 am Quality Evaluation of Newly Released Florida Strawberries by Sensory Analysis. Celine Jouquand\(^1\), Anne Plotto\(^1\) and Craig Chandler\(^2\), \(^1\)USDA-ARS Citrus & Subtropical Products Laboratory, 600 Ave. S N.W., Winter Haven, FL 33881; \(^2\)University of Florida Gulf Coast Research and Education Center, 14625 CR 672, Wimauma, FL 33598.


Southern Division of the American Phytopathological Society
86th Annual Meeting Program
February 1-2, 2009
Westin Peachtree Plaza, Atlanta, GA

Sunday afternoon: February 1, 2008

8:00-4:00 Registration (International Room B)

9:00-9:10 Welcome – Kenny Seebold, SDAPS President (International Room B)

SYMPOSIUM: Not to Be Ignored: New and Emerging Rust Diseases Threatening Crop Production
Robert Kemerait, presiding (International Room B)

9:10-9:35 "Recent advances in systematics, taxonomy, and evolution of rust fungi (Pucciniales) and their relatives." M. Catherine Aime, Assistant Professor, Dept. of Plant Pathology and Crop Physiology, Louisiana State University AgCenter, Baton Rouge, LA 70803.

9:35-10:00 "Asian soybean rust 4 years later: Is the disease a nonstarter or are we still at risk?" Raymond Schneider, Professor, Dept. of Plant Pathology and Crop Physiology, Louisiana State University AgCenter, Baton Rouge, LA 70803.

10:00-10:25 "The impact of rust diseases on the ornamental industry." James Buck, Associate Professor, Dept. of Plant Pathology, University of Georgia, Griffin, GA, 30223.

10:25-10:40 Break

10:40-11:05 “Update on southern rust caused by Puccinia polysora.” William Dolezal, Research Fellow - Plant Pathology, Pioneer Hi-Bred International, Inc., Johnston, IA 50131, J.K. Pataky, Dept. of Crop Sciences, University of Illinois, Urbana, IL 61801, R.C. Kemerait, Dept. of Plant Pathology, University of Georgia, Tifton, GA 31793.
11:30-11:30 The threat of Ug99 stem rust and efforts towards breeding for resistance in wheat and barley germplasm.” David Marshall, Location Coordinator and research Leader, USDA/ARS, Raleigh

11:30-12:00 Discussion

12:00-1:00 Lunch (on your own)

**Student presentations**

Chris Clark, SDAPS
Past-President, presiding
(International Room B)

1:00-1:15 Pathogenicity evaluations of nematophagous fungi to control the reniform nematode (*Rotylenchulus reniformis*) under microplot conditions. J.D. CASTILLO and K.S. Lawrence, Auburn University, Entomology and Plant Pathology Department, Auburn, AL.

1:15-1:30 Real-time PCR-based detection and quantification of *Cercospora kikuchii* in soybean plants. A.K. CHANDA, Z. Chen, and R.W. Schneider, Louisiana State University Agricultural Center, Baton Rouge, LA.

1:30-1:45 Efficacy of brassica amendments for cotton disease management. K.A. COCHRAN and C.S. Rothrock, University of Arkansas, Fayetteville, AR.

1:45-2:00 Epidemiological relevance of seed detection assay to seedling transmission threshold for bacterial fruit blotch in watermelon. B. DUTTA, L. Genzlinger, and R. Walcott, Dept. of Plant Pathology, University of Georgia, Athens, GA.

2:00-2:15 Comparative analysis of copper tolerance testing methods in *Xanthomonas axonopodis* pv. *vesicatoria*. J.E. GARTON, D.B. Langston, and F.H. Sanders, University of Georgia, Coastal Plain Expt. Station, Tifton, GA.


2:30-2:45 The affect of *Pythium* spp. and cold storage on the survival of longleaf pine seedlings after outplanting. D. JACKSON, S.A. Enebak, and D.B. South, School of Forestry and Wildlife Sciences, Southern Forest Nursery Management Cooperative, Auburn University, AL.

2:45-3:00 Biological control of bacterial fruit blotch pathogen on watermelon seed and blossoms using an *Acidovorax avenae* subsp. *citrulli* type three secretion mutant. K.L. JOHNSON (2), J. Minsavage (1), T. Le (2), and R. Walcott (2), (1) University of Florida, Dept. of Plant Pathology, Gainesville, FL and (2) University of Georgia, Dept. of Plant Pathology, Athens

3:00-3:15 Evaluation of commercially available plant growth-promoting rhizobacteria (PGPR) and plant extracts on sheath blight disease of rice caused by *Rhizoctonia solani*. K.K. KUMAR (2), S. Raju (1), M. Reddy (2), K.S. Lawrence (2), and J.W. Kloepper (2), (1) Andhra Pradesh Rice Research Institute, Maruteru, India and (2) Auburn University, Entomology and Plant Pathology Dept., Auburn, AL.

3:15-3:30 Break

3:30-3:45 The virulence of four root-inhabiting blue-stain fungi to southern pine seedlings. G. MATUSICK and L.G. Eckhardt, School of Forestry and Wildlife Sciences, Auburn University, Auburn, AL.

3:45-4:00 Optimal timing of preventative fungicide applications for fairy ring caused by *Vascellum pretense* in creeping bentgrass putting greens. G.L. MILLER and L.P. Tredway, Dept. of Plant Pathology, North Carolina State University, Raleigh, NC.

4:00-4:15 Effects of soil types on the reproduction of *Rotylenchulus reniformis* in cotton. S.R. MOORE and K.S. Lawrence, Auburn University, Entomology and Plant Pathology Dept., Auburn, AL.
4:15-4:30 Changes in chrysanthemum rhizosphere bacteria related to steam treatment and reduced plant growth. C. RAMÍREZ (1), A. Suárez, M. Ramírez (2), J. Pérez (2), N. Cardona (2), and J. Calle (2), (1) Auburn University, Entomology and Plant Pathology Dept., Auburn, AL. and (2) Universidad de Antioquia, Medellín, Colombia.

4:30-4:45 FAME Analysis as an alternative means for distinguishing Meloidogyne species and races. N.S. SEKORA (2), K.S. Lawrence (2), P. Agudelo (3), E. Van Santen (1), and J.A. Mcinroy (2). (1) Auburn University Department of Agronomy and Soils, Auburn, AL; (2) Auburn University Department of Entomology and Plant Pathology, Auburn, AL; and (3) University of Antioquia, Medellín, Colombia.

4:45-5:00 Detection limits and relative abundance of Aspergillus flavus in microbial communities of peanut soils. H. SUDINI, R.N. Huettel, K. Bowen, and C. Arias, Auburn University, Entomology and Plant Pathology Dept., Auburn, AL.

5:00-5:15 Efficacy of endophytes in the management of leaf blight disease of amaranth, plant growth promotion and in inducing systemic resistance. S. UPPALA (1), B. Saralamma (2), K. L. Bowen (1), and M. Ch. (2), (1) Auburn University, Entomology and Plant Pathology Dept., Auburn, AL. and (2) Kerala Agricultural University, Thrissur, Kerala, India.

5:15-5:30 Uredinia of Asian soybean rust as a unique niche for other fungi. N. WARD, R. Schneider, and M.C. Aime, LSU AgCenter, Baton Rouge, LA.


6:00-7:00 SDAPS Executive Committee Meeting (Boardroom)

3:30-5:00 SAAS Opening and General Session (Vinings I & 2)

5:00–10:00 SAAS Reception (Peachtree Ballroom)

Monday, February 4, 2008

8:00-11:30 Registration (International Room B)

8:30 Announcements – Kenny Seebold, SDAPS President (International Room B)

Contributed papers
Boyd Padgett, presiding (International Room B)

8:30-8:45 Applications of Benlate systemic fungicide on banana reduce plant growth and increase endophytic bacteria. J.W. KLOEPPER and C. Ramírez, Auburn University, Entomology and Plant Pathology Dept., Auburn, AL.

8:45-9:00 Treatment of leatherleaf fern with Benlate systemic fungicide increases populations of total and allelopathic endophytic bacteria. J.W. KLOEPPER and J.A. Mcinroy, Auburn University, Entomology and Plant Pathology Dept., Auburn, AL.

9:00-9:15 Association of fern distortion syndrome with endophytic bacteria and the use of Benlate. J.W. Kloepper and J.A. Mcinroy, Auburn University, Entomology and Plant Pathology Dept., Auburn, AL.

9:15-9:30 Control of forest nursery seedling diseases of Pinus spp. with Proline 480 SC. T.E. STARKEY and S.A. Enebak, School of Forestry and Wildlife Sciences, Southern Forest Nursery Management Cooperative, Auburn University, AL.


9:45-10:00 BREAK
10:00-10:15 Effects of fumigants and in-furrow fungicides on Verticillium wilt development in peanut. J. E. Woodward (1), T. A. Wheeler (2), S. A. Russell (1), M. G. Cattaneo (1), and T. A. Baughman (1). (1) Texas AgriLife Extension Service; (2) Texas AgriLife Research, Texas A&M System, Lubbock, TX 79403.

10:15-10:30 Application of flutriafol and other fungicides via drip irrigation for control of cotton root rot caused by Phymatotrichopsis omnivora. T. Isakeit (1), R. Minzenmayer (2), and C. Sansone (3), (1) Dept. of Plant Pathology, Texas A&M University, College Station, TX and Texas AgriLife Extension (2) Ballinger, TX and (3) San Angelo, TX

10:30-10:45 Efficacy of Bacillus mycoides isolate J on pecan scab. T. B. Brenneman. Department of Plant Pathology, University of Georgia, Tifton, GA 31794.

10:45-11:00 Impact of plant-parasitic nematodes on corn in Georgia. R. C. Kemerait (1), H. Sanders (1), M. Toews (2), R. Ethredge (3), W. E. Harrison (4), B. Mitchell (4) and T. Flanders (5), (1) Univ. of Georgia, Dept. of Plant Pathology, Tifton, GA; (2) Univ. of Georgia, Dept. of Entomology, Tifton, GA; (3) UGA Cooperative Extension, Donalsonville, GA; (4) UGA Cooperative Extension, Camilla, GA; (5) UGA Cooperative Extension, Nashville, GA.

11:00-11:15 Modeling acibenzolar-S-methyl field application for TSWV management in tobacco. A. S. Csinos (1), S. W. Mullis (1), and L. Hickman, University of Georgia, Coastal Plain Expt. Station, Tifton, GA.

11:15-11:30 Effect of seeding rate on spotted wilt incidence in new peanut cultivars and breeding lines. A. Culbreath (4), W. Branch (3), C. Holbrook (1), and B. L. Tillman (2), (1) USDA Crop Genetics & Breeding, Coastal Plain Expt. Station, Tifton, GA; (2) Univ. of Florida, North Florida REC, Marianna, FL; (3) Univ. of Georgia, Crop & Soil Science Dept., Tifton, GA; (4) Univ. of Georgia, Dept. of Plant Pathology, Tifton, GA.
2:15-2:30 Genetic structure of Sclerotinia homoeocarpa populations from turfgrasses in North America, Asia and Europe. T.A. TAYLOR, I. Carbone, and L.P. Tredway, North Carolina State University, Dept. of Plant Pathology, Raleigh, NC.

2:30-2:45 Molecular and biochemical characterization of two PR10 proteins from Zea mays. Y. XIE (1), Z. Chen (1), R. Brown (2), and T. Cleveland (2), (1) Louisiana State University, Baton Rouge, LA, USA and (2) Southern Regional Research Center, USDA-ARS, New Orleans, LA.

3:15-3:45 APS Update. Dr. James Moyer, APS president, Dept. of Plant Pathology, North Carolina State University, Raleigh, NC

4:00-5:00 SDAPS Business Meeting, Kenny Seebold, SDAPS President, presiding (International Room B)

6:00-9:00 SDAPS Social (cash bar) and Southern Division deBary Bowl (Plaza Ballroom)

Sunday, February 1
Roswell Room 1
1:30 p.m. RCAS Board Meeting

Monday, February 2
Roswell Rooms 1 and 2

Moderator: George Granade, University of Georgia

8:30 a.m. Welcome to Georgia, Dr. Scott Angle, Dean and Director, College of Agricultural Environmental Sciences, University of Georgia

8:55 a.m. Depart hotel for Centennial Olympic Park

9:05 a.m. Tour Centennial Olympic Park

9:50 a.m. Depart Centennial Olympic Park for Mayfield Dairy

10:55 a.m. Tour Mayfield Dairy

11:55 a.m. Depart for Gwinnett Environmental and Heritage Center

12:25 p.m. Lunch at Gwinnett Environmental and Heritage Center

1:00 p.m. Tour Gwinnett Environmental and Heritage Center

3:15 p.m. Depart for Chateau Elan

4:00 p.m. Tour Chateau Elan

5:45 p.m. Depart for Georgia Mountain Center

6:15 p.m. Banquet at Georgia Mountain Center

8:45 p.m. Depart for Westin Peachtree
Tuesday, February 3
Roswell Rooms 1 and 2

Moderator: Stan Jones, University of Georgia

8:00 a.m. Conducting Organic Farming Research, Merritt Taylor, Oklahoma State University
8:30 a.m. Alternate Crops for Fuels, Kelly Tiller, University of Tennessee
9:00 a.m. Agriculture in Georgia, Tommy Irvin, Georgia Agricultural Commissioner
9:30 a.m. Handling Personnel Issues on Outlying Stations, Debbie Gausvik, University of Georgia
10:00 a.m. Break

Moderator: Vaughn Calvert, University of Georgia

10:30 a.m. Community Council Financial Support of Research and Education Center, Joe Garner, University of Georgia and Sandy Nicolette, Community Council
11:00 a.m. AgriBusiness in Georgia, Gary Black, Georgia AgriBusiness Council
11:30 a.m. Lunch

Moderator: Merritt Taylor
Oklahoma State University

1:00 p.m. How Budget Reductions Are Handled

♦ Barbara Allen-Diaz, Assistant Vice President of Programs, Agricultural and Natural Resources, University of California
♦ Dr. David Benfield, Associate Director, Ohio Agricultural Research and Development Center, The Ohio State University
♦ Dr. Robert Shulstead, Associate Director for Research, College of Agricultural Environmental Sciences, University of Georgia
♦ Dr. Clarence Watson, Associate Director, Oklahoma Agricultural Experimental Stations, Oklahoma State University

3:00 p.m. Break
3:30 p.m. RCAS Business Meeting
4:30 p.m. Adjourn

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SUNDAY, FEBRUARY 1

8:00 A.M. – 3:30 P.M.

REGISTRATION - Augusta Balcony (L7)
8:15 A.M. – 9:30 A.M.

SRSA EXECUTIVE COUNCIL MEETING – Augusta II
PANEL DISCUSSION - Augusta II

Innovative Programs for Rural Areas

Organizer:
Gene Theodori, Sam Houston State University

Using Leadership Development Curricula to Create and Implement Community Level Strategic Planning
Rachael Carter, Mississippi State University Extension
Alan Barefield, Mississippi State University Extension

Rural Studies: Answering the Call to a New Perspective on Community
Tyrie J. Smith, Abraham Baldwin Agricultural College

PAPER SESSION - Augusta III

Forestry in the Southern Region

Moderator:
Courtney Flint, University of Illinois - Champaign

The Economics of Timber Planting and Harvesting by Small Woodlot Owners
Godfrey Ejimakor, North Carolina A&T State University
Ralphael Okafor, North Carolina A&T State University
Harry Sutton, North Carolina A&T State University

Land Covers, Land Ownership, and Human Well-Being in the Forest-Dependent Counties of the West-Central Region of Alabama
Buddhi Gyawali, Alabama A&M University
Rory Fraser, Alabama A&M University
James Bukenya, Alabama A&M University
John Schelhas, Alabama A&M University
Swagata “Ban” Banerjee, Alabama A&M University

Forest Landowners, Wood and Bioenergy: Preliminary Survey Results from Lee County, Alabama
Ana Luiza de C. Paula, Auburn University

PAPER SESSION - Augusta II

The Significance of Social Spaces and Places

Moderator:
Douglas Clayton Smith, Western Kentucky University

South Louisiana's Above-Ground Concrete Vault Burials
Gerald T. McNeill, Southeastern Louisiana University

Geophagy: Environmental and Health Implications
Kellen Gilbert, Southeastern Louisiana University
Bonnie Lewis, Southeastern Louisiana University

A “Disadvantaged Class”: Ownership Characteristics of Heir Property in a Black Belt County
Janice F. Dyer, Auburn University
Conner Bailey, Auburn University
Nhuong Van Tran, Auburn University

Return Migrants, Stem Families, and Willingness to Stay in Appalachia
Amber Roberts, Western Kentucky University
D. Clayton Smith, Western Kentucky University
Phyllis Puffer, Big Sandy Community and Technical College

Queer(y)ing Rurality: Beyond Metrocentric Constructions of Space and Place
Chris Stapel, University of Kentucky

PAPER SESSION - Augusta III

Natural Resources: Consumption and Conservation Issues

Moderator:
Douglas Constance, Sam Houston State University

Water Planning and Water Conservation in Texas: A Sociological Analysis
Gene Theodori, Sam Houston State University

The Social and Economic Impacts of Consumptive Use in an Agricultural Area: Estimating Water Resources in the Lower Flint River Basin
Donna-May Sakura-Lemessy, Albany State University
Ian Sakura-Lemessy, Albany State University
To Drill or Not to Drill in the Continental Shelf?:
An Explanation of Public Perception
Nicole Miller, Sam Houston State University

Levels of Ownership and the Perception of the
Energy Industry in the Barnett Shale
Travis Miller, Sam Houston State University

Straight from the Public: Views on Desalination of
Oilfield Brine
Mona Avalos, Sam Houston State University

An Empirical Analysis of Gasoline Price
Movement in the Southern United States
Fitzroy White, Alabama A&M University
James O. Bukenya, Alabama A&M University

12:30 P.M. – 1:30 P.M.
Lunch (on your own)
1:30 P.M. – 3:00 P.M.

PAPER SESSION - Augusta II
Rural Development and Quality of Life

Moderator:
Terrence Thomas, North Carolina A&T State University

A Study of Economic Development Efforts in a
Small Rural Mill Town in Louisiana
Bonnie Lewis, Southeastern Louisiana University
Holly Watts, Southeastern Louisiana University
Willis Hawkins, Southeastern Louisiana University
Patrick Legette, Southeastern Louisiana University

Gender Differences in Views Toward Economic
Development for a Small Louisiana Community
Bonnie Lewis, Southeastern Louisiana University
Patrick Legette, Southeastern Louisiana University
Willis Hawkins, Southeastern Louisiana University

Transportation Limitations and Ethno-Racial
Change in Tennessee
Sarah E. Hendricks, University of Tennessee – Knoxville
Stephanie A. Bohon, University of Tennessee – Knoxville

Non-Parametric Testing for Wage Convergence in
Alabama
Cedric L. Davis, Alabama A&M University
James O. Bukenya, Alabama A&M University

Perceptions of Racial Reconciliation from the
Emmett Till Memorial Commission of Tallahatchie
County, Mississippi
Alan W. Barton, Delta State University

PAPER SESSION - Augusta III
Adventures in Alternative Agriculture

Moderator:
Keiko Tanaka, University of Kentucky

Assessing the Rural Development Potential of
Cellulosic Biofuels in the Rural South
Conner Bailey, Auburn University
Janice Dyer, Auburn University
Larry Teeter, Auburn University

Identifying Potential Organic Producers in Texas:
Facilitators and Barriers
Douglas H. Constance, Sam Houston State University
Jin Young Choi, Sam Houston State University

Local Leaders’ Knowledge of and Willingness to
Support Value-Added Agriculture Enterprises in
Alabama
Latravi Brazil, Alabama A&M University
James O. Bukenya, Alabama A&M University

Consumer Perceptions on Value-Added Fruits
and Vegetables in North Alabama
Brandi Broughton, Alabama A&M University
James O. Bukenya, Alabama A&M University

3:00 PM – 3:30 P.M.
Southern Rural Sociology Editorial Board -
Augusta II

3:30 – 5:00 P.M.
SAAS Opening Session - Vinings I & II

5:00 P.M. - Onward
Reception/ and Super Bowl Party with SAAS -
Peachtree Ballroom
Monday February 2
7:45 A.M. – 3:00 P.M.

REGISTRATION - Augusta Balcony (L7)
8:00 A.M. – 9:15 A.M.

PAPER SESSION - Augusta II

University Extension: Assessing Programs and Strategies

Moderator:
Brooklyn Anderson, Mississippi State University

Exploring the Access to Social Capital of GGAVATT Participants in Veracruz, Mexico
Sebastian Galindo-Gonzalez, University of Florida

Measuring the Net Benefits of Volunteers in Youth Development Organizations: Results from Florida
Bryan D. Terry, University of Florida

The Influence of Agent/Client Homophily On Client Perceptions About Florida Extension's Quality of Service
Robert Strong, University of Florida
Glenn D. Israel, University of Florida

Obtaining Responses from Extension Clients: Exploring Web and Mail Survey Options
Glenn D. Israel, University of Florida

PAPER SESSION - Augusta III

Rural Community Health Challenges

Moderator:
Amber Roberts, Western Kentucky University

Balancing Work and Health Challenges in Low-Income Rural Families
Patricia Hyjer Dyk, University of Kentucky
Jessica Kropczynski, University of Kentucky

What Are the Risks of Consuming Food Away from Home?
Fisseha Tegegne, Tennessee State University
Surendra Singh, Tennessee State University
Enefiock Ekanem, Tennessee State University
Leslie-Speller Henderson, Tennessee State University

PAPER SESSION - Augusta II

Crime in Rural America: Challenges and Opportunities

Moderator:
Kellen Gilbert, Southeastern Louisiana University

Methamphetamine Abuse and Treatment in Rural America
Professor Kimora, The City University of New York

The Meth Epidemic: A Descriptive and Comparative Analysis of Response Programs
Terri L. Earnest, Francis Marion University
Lisa A. Eargle, Francis Marion University

An Evaluation of a Rural Work Release Program
Tessie Haynes, Southeastern Louisiana University

Gauging Media Consumption and Fear of Crime: A Comparison of Various Parishes in Louisiana
John Boulahanis, Southeastern Louisiana University
Bonnie Lewis, Southeastern Louisiana University

PAPER SESSION - Augusta III

Sociological Inquiry and Collaboration

Moderator:
Anna Kleiner, Southeastern Louisiana University

Complexity and Systems Thinking: Applications of Social Problem Solving
Terrence Thomas, North Carolina A&T State University
Paula Faulkner, North Carolina A&T State University
Victor Ofori-Boadu, North Carolina A&T State University
A Research Note on Scientific Methodology vs. Sociological Imagination as Craft
George Floro, Sul Ross State University

Collaboration: The View from the Field
Terrence Thomas, North Carolina A&T State University
Benjamin Gray, North Carolina A&T State University
Paula Faulkner, North Carolina A&T State University
Victor Ofori-Boadu, North Carolina A&T State University

Participatory Innovation Development: Adapting Conventional Agricultural Extension and Research Methodology
Marta M. Hartmann, University of Florida

11:15 A.M. – 12:45 P.M.

SRSA LUNCHEON AND PRESIDENTIAL ADDRESS - Augusta I

Modification and Adaptation in Rural Sociology

SRSA President:
Gene Theodori, Sam Houston State University

1:00 P.M. – 2:30 P.M.

PAPER SESSION (WITH SAAS) - VININGS ROOM

Biofuels: Prospects and Challenges in Development and Policy

Moderator:
Thomas W. Gray, USDA, Rural Development - Cooperative Programs

Cooperative Approaches for Implementation of Dairy Manure Digesters
Carolyn Liebrand, USDA, Rural Development - Cooperative Programs
K. Charles Ling, USDA, Rural Development - Cooperative Programs

Conflicting Environmental Claims: Analysis of the Discourse Surrounding Biofuels Development
Albert Iaroi, Kansas State University
Gerald Middendorf, Kansas State University
Theresa Selfa, Kansas State University

Biofueling Redevelopment?: Prospects and Challenges at Local and Global Scales
Theresa Selfa, Kansas State University
Uma Sarmistha, Kansas State University

2:45 P.M—4:00 P.M.

PANEL DISCUSSION - Augusta II

Black Belt Regional Studies and Leadership Development: Preparing Leaders to Make a Difference

Moderator:
Rosalind Harris, University of Kentucky

Panelists:
Sokoya Finch, Florida Family Network
Veronica Womack, Georgia College and State University
Dreamal Worthen, Florida A&M University

2:45 P.M—4:00 P.M.

PAPER SESSION - Augusta III

The Structure of the Agri-Food System: Local to Global Consequences and Responses

Moderator:
Glenn Israel, University of Florida

Regional Integration in the Poultry Industry: Tyson Foods and Labor Recruiting
Douglas H. Constance, Sam Houston State University
Travis S. Miller, Sam Houston State University

A Comparison of Conventional and Fair Trade Commodity Chains in the Banana Sector
Mona Avalos, Sam Houston State University
Terry Martin, Sam Houston State University
Nicole Miller, Sam Houston State University
Ben Robertson, Sam Houston State University

A Comparison of Conventional and Fair Trade Commodity Chains in the Coffee Sector
Chuck Collins, Sam Houston State University
Cheryl Hudec, Sam Houston State University
Travis S. Miller, Sam Houston State University
Meredith Ramirez, Sam Houston State University

Cross-Cultural Regulation: An Analysis of Pesticide Regulation in the U.S. and Japan
Elizabeth Ransom, University of Richmond
Josh Huffines, University of Richmond

The Threats and Opportunities of Globalization in Local Agricultural Communities: Case Study in Egypt
Ashraf Ragab EL-Ghannam, Agricultural Research Center, Egypt
The Analytical Study of Food Crisis in Developing Countries: Impact and Recommendations
Ashraf Ragab EL-Ghannam, Agricultural Research Center, Egypt

4:00 P.M.—5:15 P.M.

PAPER SESSION - Augusta II

Disaster Experiences, Outcomes, and Preparedness

Moderator:
Gerald McNeill, Southeastern Louisiana University

“Farming is a Hazardous Way of Life”: Agricultural Disaster Experience and Preparedness in Southern Illinois
Courtney G. Flint, University of Illinois at Urbana-Champaign
Lisa Pickert, University of Illinois at Urbana-Champaign
Lauren Williams, University of Illinois at Urbana-Champaign

Spatial Trends Associated with Hurricane Migration for Mississippi Counties
Brooklyn J. Anderson, Mississippi State University
Darrell L. Fannin, Texas A&M University
Garen K. Evans, Mississippi State University

Food Insecurity Among Families Affected by Hurricane Katrina
Andrew A. Zekeri, Tuskegee University

Rebuilding Lives After Hurricane Katrina
Andrew A. Zekeri, Tuskegee University

Organizational Capacity in the Disaster Context: An Action-Oriented Study of Community-Based Nonprofit Service Providers
Anna M. Kleiner, Southeastern Louisiana University
John J. Green, Delta State University
JoLynn P. Montgomery, University of Michigan
Katie Kerstetter, Delta State University

PAPER SESSION - Augusta III

Learning Essentials of Rural Education

Moderator:
Bonnie Lewis, Southeastern Louisiana University

The Rural Achievement Gap in Mathematics: An Analysis of Two National Probability Samples of High School Seniors
Edward B. Reeves, Morehead State University

Good Food at a Cheaper Price?: The Effectiveness of School Lunch Programs in Rural Schools
Cheryl Hudec, Sam Houston State University

Using Collaborative Learning Groups to Teach Sustainable Development
Alan W. Barton, Delta State University

“Tell Us Your Concerns About Food”: Shopper Survey as an Instructional Tool For a Rural Sociology Course
Keiko Tanaka, University of Kentucky

5:15 P.M. — 6:15 P.M

SRSA BUSINESS MEETING - Augusta II

6:15 P.M.

SRSA PRESIDENTIAL RECEPTION – TBA

Tuesday, February 3
8 AM—9:30 AM

REGISTRATION - Augusta Balcony (L7)
8:30 AM —10:15 AM

PAPER SESSION - International Room G

Rural Leadership Development

Moderator:
Ed Reeves, Morehead State University

Past and Present Rural Leadership Development Successes Reflected through Collection of Mississippi Delta Oral Histories
Marna Weston, University of Florida
Glenn Israel, University of Florida
Nicole Stedman, University of Florida
Paul Ortiz, University of Florida

The Influence of Community Leadership Training on Volunteerism: The Results of a Mixed-Method Survey
Joshua J. Turner, Mississippi State University
Understanding Leadership Behavior in Developing Future Community Agricultural Leaders
Bryan Patterson, University of Tennessee

Strategies and Program for Training Local Leaders to Think Globally
Patricia Hyjer Dyk, University of Kentucky
Jessica Kropczynski, University of Kentucky

PAPER SESSION - International Room F

Farm Safety and Security

Moderator:
Thomas Gray, USDA Rural Development

Factors Influencing the Occurrence of Farm Injuries Among Black Farmers in the Southern Coastal Region
Kenrett Y. Jefferson-Moore, North Carolina A&T State University
Ralph Okafor, North Carolina A&T State University
Mohammed Ibrahim, North Carolina A&T State University
Anthony K. Yeboah, North Carolina A&T State University

Collaborating with Farmworkers to Develop New Safety Technology
Paul Monaghan, University of Florida
Sebastian Galindo-Gonzalez, University of Florida
Antonio Tovar, University of Florida
Glenn Israel, University of Florida

Risk Management Needs of Small and Limited Resource Farmers and Ranchers in Alabama
Duncan M. Chembezi, Alabama A&M University
E’licia L. Chaverest, Alabama A&M University

10:30 A.M.—12:00 P.M.

SRSA EXECUTIVE COUNCIL MEETING - International Room F

ABSTRACTS
(Arranged by day/time)
SUNDAY, FEBRUARY 1
9:45 A.M. – 10:45 A.M.

PANEL DISCUSSION - Augusta II

Innovative Programs for Rural Areas

Organizer:
Gene Theodori, Sam Houston State University

Using Leadership Development Curricula to Create and Implement Community Level Strategic Planning
Rachael Carter, Mississippi State University Extension
Alan Barefield, Mississippi State University Extension

Rural communities tend to face two distinct challenges in addressing issues faced by their residents. The first is the lack of an issue-based strategic planning process to identify core issues and develop objectives and strategies designed to confront challenges and exploit opportunities. The second is more systemic. Many rural communities do not have the capacity necessary to develop and/or implement a community-based plan. The Mississippi State University Extension Service (MSUES) has developed a unique combination of leadership development and strategic planning educational modules that have the goal of enhancing the capacity of community residents to develop and implement grass-roots based strategic plans focused on specific community issues. Workshop participants will analyze a specific community issue and participate in a round table discussion regarding the specific educational program components.

Rural Studies: Answering the Call to a New Perspective on Community
Tyrie J. Smith, Abraham Baldwin Agricultural College

With the changing global economic and energy landscape, the issues of localization and sustainability at the community level are becoming paramount. This is no more evident than in the rural communities of the US, where the “3,000-mile Caesar salad” and the outsourcing of smaller manufacturing
jobs are leaving more and more Americans desperate for change. These issues suggest the necessity for a paradigmatic shift in the ways in which we conceptualize our spaces and how we negotiate everything from the daily commute to decisions about what foods to put on our table. It is for this reason that the need for individuals trained in understanding the issues facing rural communities is increasing. Addressing this need, Abraham Baldwin Agricultural College has been working over the past year and half towards the creation of an undergraduate rural studies program. In October of this year, the University System of Georgia Board of Regents approved the program, which will begin in the fall of 2009. In this panel discussion, I will outline the program’s mission, structure, and methodology so as to begin a discourse with others in the Southeast as to how we can best serve our students and the communities they represent.

PAPER SESSION - Augusta III

Forestry in the Southern Region

Moderator:
Courtney Flint, University of Illinois - Champaign

The Economics of Timber Planting and Harvesting by Small Woodlot Owners
Godfrey Ejimakor, North Carolina A&T State University
Ralphael Okafor, North Carolina A&T State University
Harry Sutton, North Carolina A&T State University

This study assesses the relation between the logging of woodlots and selected characteristics of woodlot owners. In addition to the economic benefits, there are social benefits that accrue in the form of wildlife habitat and erosion control that woodlots provide as an environmental amenity. However, these social benefits may not be one of the reasons for owning woodlots. This implies that the provision of woodlots may be less than the socially desirable acreage. Small woodlots combine for a sizeable portion of land in many counties. A good understanding of the variables that affect the decision to own and/or log trees from small woodlots will help to prevent unnecessary logging, encouraging replanting of trees on logged lots. This study assesses the impact of owner characteristics on the acres of woodlots logged and the likelihood that a given woodlot owner will log the wood on his/her lot without replanting. The study will be based on data collected from a survey of woodlot owners in seven counties in North Carolina and Virginia.

Forest Landowners, Wood and Bioenergy: Preliminary Survey Results from Lee County, Alabama
Ana Luiza de C. Paula, Auburn University

Based on land capacity and abundance of timberland, the state of Alabama is considered a strong potential source of wood-based bioenergy feedstock in the US. Since, on average, 95 percent of Alabama forest lands are privately owned, forest landowners may actually be the ones to dictate whether wood feedstock is available for energy or not. This paper presents preliminary results of a mail survey to evaluate the conditions under which forest landowners in Lee County, Alabama, would be receptive to making wood biomass feedstock available for energy generation.

11:00 A.M. – 12:30 P.M.

PAPER SESSION - Augusta II

The Significance of Social Spaces and Places

Moderator:
Douglas Clayton Smith, Western Kentucky University
South Louisiana’s Above-Ground Concrete Vault Burials
Gerald T. McNeill, Southeastern Louisiana University

South Louisiana is a culturally distinct area of the United States which has incorporated the use of above-ground burials for over two centuries. Many articles and websites write about burials in the southern part of the state, stating that it is a necessity to bury above-ground. Yes, in some low-lying areas of Louisiana, above-ground burials are a necessity, but in most cases, the above-ground burials are a choice. Sometimes the above-ground burials are choices family members have made based on traditions, religious connections, or necessity. Some of the above-ground burials are the family style tombs which are reused time and time again. But, another type of above-ground burial has emerged and is quite popular in rural or small town Louisiana – a simplistic type of burial termed concrete vault burials. You could say the opposite is now occurring, concrete vault above-ground burials are popular in areas of Louisiana where in-ground burials have dominated for long periods of time. This presentation explores these questions: 1) Are there any long-standing cultural or religious connections in choosing these types of burials? 2) Are there any other cultural, ethnic, racial, or socio-economic connections or reasons why above-ground concrete vault burials have become so popular?

Geophagy: Environmental and Health Implications
Kellen Gilbert, Southeastern Louisiana University
Bonnie Lewis, Southeastern Louisiana University

Geophagy, the deliberate consumption of earth or clay, is a common activity among certain African American women in southern regions of the United States. The practice has historical roots in rural southern populations and has medical and nutritional benefits as well as cultural significance. In a field study of residents living adjacent to a toxic waste site in northern Louisiana, we found that one of the activities of adult female residents was to collect clay from or near the site for personal consumption. The reasons the women gave for eating clay varied as did their collection and preparation techniques. The potential health risks and environmental implications of geophagy as practiced in non-rural industrialized environments need to be addressed as individuals continue to engage in this rural-based activity.

A “Disadvantaged Class”: Ownership Characteristics of Heir Property in a Black Belt County
Janice F. Dyer, Auburn University
Conner Bailey, Auburn University
Nhuong Van Tran, Auburn University

Heir property, land held communally by heirs of someone who has died intestate, is subject to economic disadvantages. While there is a substantial amount of literature on the ramifications of court-ordered sales of heir property (mainly in law journals), there is little quantitative evidence of the extent of heir property and potential wealth tied up in clouded titles. This study relies on tax records of self-reported heir property in one Black Belt county in Alabama (Macon). Quantitative analysis of more than 1,500 parcels reveals distinctive characteristics of and significant relationships between ownership variables, including taxpayer location, size and value of land, property improvements, and incorporation. Heir property has been called a “disadvantaged class” of ownership because of the economic and legal burden it places on rural African Americans. A better understanding of the extent and limitations of heir property can inform policies that have far reaching social and political implications.

Return Migrants, Stem Families, and Willingness to Stay in Appalachia
Amber Roberts, Western Kentucky University
D. Clayton Smith, Western Kentucky University
Phyllis Puffer, Big Sandy Community and Technical College

A vast literature exists on migration into and out of the Appalachian region. Work on return migration has focused mainly on economic and family conditions that facilitate individuals return to Appalachia. This research suggests that return migrants will likely be less skilled and in more transitional work. These characteristics may bring individuals back to Appalachia but may also make them more likely to leave again. This study examines a sample of return migrants and their fit with the existing research literature as well as their willingness to stay in Appalachia.

Queer(y)ing Rurality: Beyond Metrocentric Constructions of Space and Place
Chris Stapel, University of Kentucky

This paper elaborates a “metrocentricity” that prevents rural theoreticians from adequately conceptualizing space, and thus, the social processes of rural places. I argue that the metrocentric lenses through which scholars construct
the social world result in rurality being defined in terms of dominant urban knowledge claims, including the presence of rigidly bounded rural "others" and the absence of inclusivity. If the rural is defined in terms of exclusion it follows, then, that the authentic (and arguably more inclusive) meanings of such places are lost. To illustrate, this paper examines lay and scholarly discourses of rural sexualities. I suggest that when scholars investigate rural queer social life they impose a metrocentric assumption that it mirrors the urban. As a result unique rural gay experiences are invisible to researchers and valid rural queer knowledge claims remain absent from the literature. In sum, I argue that modernist rural-urban dichotomies necessarily mask the complexities of rural spaces and places.

PAPER SESSION - Augusta III

Natural Resources: Consumption and Conservation Issues

Moderator:
Douglas Constance, Sam Houston State University

Water Planning and Water Conservation in Texas: A Sociological Analysis
Gene Theodori, Sam Houston State University

Water conservation in Texas is becoming a pressing issue as Texas struggles to meet current water demands while preparing for future needs. The population of Texas is expected to roughly double to 46 million by 2060. In the same time period, surface and ground water supplies are expected to decline by 18 percent, leaving a statewide shortage of 8.8 million acre-feet per year. The purpose of this investigation was to examine Texans’ attitudes and behaviors on water conservation. Data for this paper were collected in a general population survey from a random sample of individuals in nine of the state’s sixteen water planning regions. Two hypotheses were tested: (1) that differences in sociodemographic characteristics exist among individuals with variant positions on water conservation; and (2) that individuals with different positions on water conservation exhibit dissimilar levels of conservation behaviors. Both hypotheses received substantial support. Possible implications of these findings for policy-makers are advanced, as are suggestions for future research.

The Social and Economic Impacts of Consumptive Use in an Agricultural Area: Estimating Water Resources in the Lower Flint River Basin
Donna-May Sakura-Lemessy, Albany State University
Ian Sakura-Lemessy, Albany State University

The purpose of this research is to highlight recent developments in water resource engineering research in order to shed light on a relatively new method to estimate water use patterns in Southwest Georgia and their social and economic implications. The impetus, in part, stemmed from the urgent need for city, state and local authorities to pay more attention to assessing and evaluating how water needs and usage impact critical hydrological processes in the Apalachicola-Chattahoochee-Flint (ACF) River Basin. Because agriculture accounts for the largest volume of water used in the Flint River Basin, reliable model estimation of water use is critical to the economic and social well being of communities that lie within proximity of the Flint Basin. We pose questions and policy recommendations that address the interconnectiveness of water resource engineering and social and economic policy research.

To Drill or Not to Drill in the Continental Shelf?: An Explanation of Public Perception
Nicole Miller, Sam Houston State University

The exploration and production of oil and natural gas in environmentally sensitive areas is a timely issue that continues to be debated. One environmentally sensitive area that has been at the center of the debate in this presidential election year is the continental shelf. Congress has restricted access to key parts of the continental shelf since the early 1980s. These governmental regulations inhibiting drilling on the continental shelf were lifted by President George W. Bush in 2008, urging Congress to follow suit. At the same time, environmentally-friendly drilling practices have begun to be implemented more frequently. Using data collected in a general population survey from a random sample of individuals in twelve Texas counties, I empirically examine issues associated with the publics’ perception of opening up the continental shelf for exploration and production of oil and natural gas. The findings indicate that while most individuals do not want to see current governmental regulations eliminated, the large majority would like to see them relaxed. Differences in sociodemographic variables were also examined. Possible implications of these findings are proposed, as are suggestions for future research.
Levels of Ownership and the Perception of the Energy Industry in the Barnett Shale
Travis Miller, Sam Houston State University

The United States is almost unique in allowing private citizens to own mineral rights aside from surface rights of property and Texas is no exception. The Barnett Shale presents an unusual circumstance in that it extends below many residential and suburban areas instead of the normally rural environment encountered in oil and natural gas exploration; thus the contradictions of owning surface rights but not mineral rights and vice versa are becoming readily apparent to landowners, energy companies and lawmakers in that area. It is the purpose of this work to determine the correlation between the perception of the energy industry in the Barnett shale area and the ownership of mineral rights. After these are determined, this work will explore the demographic factors behind them. It is my hypothesis that there is a positive correlation between the level of ownership and perception of the energy industry, particularly with regards to mineral rights. The implications of this work include determining just what it means to own mineral rights in the Barnett shale area, determining the best way for those with a commercial interest in mineral rights to interact with prospective customers or surface owners, determining what demographic factors influence the manner in which split ownership disputes are arbitrated, and determining the best way for development to move forward in the Barnett shale area while minimizing negative public reactions.

Straight from the Public: Views on Desalination of Oilfield Brine
Mona Avalos, Sam Houston State University

Data collected in twelve Texas counties were used to replicate and extend previous research on public perception of desalinated water from oil and gas field operations. The data show that a small percentage of respondents were extremely familiar with the process of desalination. The data also reveal that survey respondents were more likely to agree that desalinated water from oil and gas field operations could safely be used for purposes where the likelihood of human and animal ingestion is lessened. Accordingly, a large percentage of respondents disagreed that desalinated water could meet human drinking water standards. Finally, the association between level of familiarity with the process of desalination and the proposed potential uses of desalinated water indicate that as the level of familiarity increases so did respondents’ belief that desalinated water could be safely used for each of the nine proposed purposes. Possible implications of these findings are advanced, as are suggestions for future research.

An Empirical Analysis of Gasoline Price Movement in the Southern United States
Fitzroy White, Alabama A&M University
James O. Bukenya, Alabama A&M University

Gasoline prices remain an important determinant of global economic performance; and given their importance, economists over the years have devoted considerable energy to trying to understand both the factors that play a role in oil price movements and their time series properties. This paper contributes to the literature by investigating the role of oil refineries on the dynamic behavior of oil prices in the southern US states. Particularly, we test the hypothesis that gasoline price movement in US southern states that have oil refineries differ from US southern states that do not have oil refineries. To test this hypothesis, comparable state data covering the period 1970 through 2007 were assembled and analyzed using correlation, regression, and cointegration methods. Overall, the empirical results support a long-term equilibrium relationship between gasoline prices in both states with and with no oil refineries over the studied period.

1:30 P.M. – 3:00 P.M.

PAPER SESSION - Augusta II

Rural Development and Quality of Life

Moderator:
Terrence Thomas, North Carolina A&T State University

A Study of Economic Development Efforts in a Small Rural Mill Town in Louisiana
Bonnie Lewis, Southeastern Louisiana University
Holly Watts, Southeastern Louisiana University
Willis Hawkins, Southeastern Louisiana University
Patrick Legette, Southeastern Louisiana University

Many small towns across the country have struggled for some time in their efforts to use economic development to rebuild their once-thriving local economies. This particular small town under study is known for its once-strong paper mill industry. However, the town’s poverty now overshadows the strengths the town may have had. In the summer of 2008 representatives from the city, the parish economic development foundation, and their chamber of commerce approached the university’s business development center and the social science research center to assist them by conducting an area shopping survey. In October of 2008 a telephone survey was conducted of 363 randomly selected area
residents. The purpose of this survey was to find out the extent to which area residents, both inside and outside the city limits, shopped locally. When they did not always shop locally, they were further asked to identify what stores they shopped in elsewhere for 12 commodity areas. They also were asked for general reasons for shopping elsewhere. Lastly, residents were asked in open-ended format what they liked and disliked about the town itself. The purpose of this paper is to analyze what the respondents saw as their likes and dislikes of the town to assist the business sector in their attempts at economic development. Coming from a conflict perspective, it is expected that people who are from impoverished conditions will have qualitatively different views of the community and efforts at revitalization as compared to persons who have greater ability to shop elsewhere. On the other hand, the efforts of the business community—mostly toward improving shopping access—may be seen as a positive effort at improving the quality of the lives of town residents.

Gender Differences in Views Toward Economic Development for a Small Louisiana Community
Holly Watts, Southeastern Louisiana University
Bonnie Lewis, Southeastern Louisiana University
Patrick Legette, Southeastern Louisiana University
Willis Hawkins, Southeastern Louisiana University

In the summer of 2008, the Southeastern Business Development Center and the Social Science Research Center of Southeastern Louisiana University were approached by a committee of city representatives of a small rural community located in southern Louisiana. The objective of the meeting was to request the assistance of the research center in conducting a survey on shopping habits and on general opinions of those living in the community toward economic development. After working with this committee, a telephone survey was designed to obtain the views of the town’s area residents. Between October 2 and October 8, the views of 363 residents were obtained. The purpose of this paper is to examine the views of these residents of the community and relate these views to the efforts of city representatives to strengthen the economy. These views will further be analyzed to see how they differ by gender. Using open-ended responses to the questions: "what do you like about this town" and "what do you see as major problems", it is expected that the different genders will perceive the problems and strengths differently. Several theoretical perspectives will be applied to determine which one/s provide/s a higher degree of salience.

Transportation Limitations and Ethno-Racial Change in Tennessee
Sarah E. Hendricks, University of Tennessee – Knoxville
Stephanie A. Bohon, University of Tennessee – Knoxville

The Tennessee Department of Transportation recently announced the creation of an Intercity Bus Demonstration Program. The program is primarily aimed at filling “existing gaps in service for our rural communities that currently have no intercity connections to the next major city.” Communities must compete for these public and private use funds. The announcement of this Program creates a demand for information about the availability of transportation among those living in rural areas of Tennessee. Based on our previous research in Georgia, we hypothesize that the increase in Tennessee’s minority population (particularly the increase in Latino immigrants) has led to an increase in the number of households without available transportation. Here we examine the relationship between population composition changes and changes in transportation availability. We also use geographic information analysis to map the availability of personal transportation across counties in Tennessee, particularly as it is linked to the changing racio-ethnic landscape.

Non-Parametric Testing for Wage Convergence in Alabama
Cedric L. Davis, Alabama A&M University
James O. Bukenya, Alabama A&M University

The paper examines the structure and trends in rural wages over the last thirty-five years in Alabama. By defining two groups of U.S. rural counties based on rural-urban location: adjacent counties which are rural counties that border a core metropolitan county; and distant counties which are rural counties bordering only other rural counties, the paper also seeks to utilize wage trends to examine the effect of rural proximity to metropolitan areas. To accomplish this, the paper employs three approaches: correlation analysis, sigma-convergence test, and time series analysis. The empirical results differ across the different approaches, but in general, the findings concur with the conclusions reached by previous studies that the convergence observed in earlier years was replaced by divergence in the later years.
Perceptions of Racial Reconciliation from the Emmett Till Memorial Commission of Tallahatchie County, Mississippi
Alan W. Barton, Delta State University

Rural Tallahatchie County, MS, like other areas of the Southern U.S., has a long history of racial stratification. Conditions in this county gained international attention in 1955, following the kidnapping and murder of 14-year-old Emmett Till, an African American youth visiting from Chicago, and the subsequent acquittal in a Tallahatchie courthouse of the two white men who were responsible. Fifty years later, the County Supervisors created the Emmett Till Memorial Commission, a group of 18 black and white community leaders, to address the racial separation and to develop heritage tourism in the county. Using qualitative techniques, I assess how members of this Commission define “racial reconciliation,” and how divergent definitions affect perceptions of how the Commission is achieving its goal of achieving reconciliation.

PAPER SESSION - Augusta III

Adventures in Alternative Agriculture

Moderator:
Keiko Tanaka, University of Kentucky

Assessing the Rural Development Potential of Cellulosic Biofuels in the Rural South
Conner Bailey, Auburn University
Janice Dyer, Auburn University
Larry Teeter, Auburn University

We explore the rural development implications of producing liquid transportation fuels from cellulosic feedstocks in the southeastern United States, a heavily forested region with over 200 million acres of timberland and an additional 135 million acres in production as grassland pasture and range. Considerable public and private investment is being made in cellulosic biofuels development, with several pilot projects under construction. Now, before the industry is fully established, is the time to start considering the social, economic, and political consequences of a cellulosic biofuels industry. Our paper is the product of an interdisciplinary exploratory study based on both primary and secondary data. Primary data were collected through a "Delphi approach" to utilize the knowledge of expert respondents.

Identifying Potential Organic Producers in Texas: Facilitators and Barriers
Douglas H. Constance, Sam Houston State University
Jin Young Choi, Sam Houston State University

Nationally organic food sector experienced double-digit growth, corresponding to consumers’ increasing interest and demand for organic products. However, organic production is lagging behind the demand. The number of certified organic operations, particularly in Texas has remained relatively stagnant. The purpose of this research is to identify the characteristics of conventional producers in Texas, who are interested in adoption of organic farming, and their perceived barriers in organic adoption to provide possible strategies to promote the growth of organic production in Texas. Surveys were mailed to the Texas producers, selected by a disproportionate stratified random sampling method. A total of 871 conventional producers in Texas were included in the analysis. The findings indicated that conventional producers of livestock, dairy, vegetable, and greenhouse are more interested in organic production than crop producers. Conventional producers with less than 5 years of agriculture operation and $500,000 of annual gross sales had high interested in organic production. Those who plan to expand their operation size within 3 years and who are not satisfied with their current operation were interested in adopting of organic farming. The perceived financial viability and profits of organic farming and stability and reliability of organic markets are identified important facilitating factors for interest in organic adoption. The lack of marketing networks, distance to available markets, and uncertainty in obtaining organic price premiums are identified for marketing barriers. Production barriers include availability of organic processing facilities, pest-related production loss, and high input costs.

Local Leaders’ Knowledge of and Willingness to Support Value-Added Agriculture Enterprises in Alabama
Latravi Brazil, Alabama A&M University
James O. Bukenya, Alabama A&M University

Over the past decade, the trend of value-added agriculture has been sweeping the nation. Even though the concept is not new, its applications at the producer level of the agricultural marketing chain have only recently been explored on a large scale. This evolution of agriculture has prompted many states to provide technical and/or financial assistance to individuals, farmer cooperatives, and private industries so that further processing of that state’s agricultural commodities would take place before the
product left the state’s borders. The conventional wisdom is that value-added enterprises can empower communities to create an institutional framework that facilitates wealth creation among smallholder farmers by promoting excellence through knowledge in value addition and investment in rural communities. In Alabama however, efforts to promote these enterprises has been relatively slow. The focus of this paper therefore, was to examine Alabama local leaders’ knowledge of value-added agriculture enterprises; and to assess their willingness to attract and support these enterprises in the state.

Consumer Perceptions on Value-Added Fruits and Vegetables in North Alabama
Brandi Broughton, Alabama A&M University
James O. Bukenya, Alabama A&M University

As farmers struggle to find ways to increase farm income, interest in “adding value” to raw agricultural products has grown tremendously. The value of farm products can be increased in endless ways: by cleaning and cooling, packaging, processing, distributing, cooking, combining, churning, culturing, grinding, hulling, extracting, drying, and labeling. This paper analyzed consumer perceptions and their willingness to pay higher prices to purchase value-added fruits and vegetables. The paper is based on a contingent valuation survey data collected from consumers in Huntsville Metropolitan Area in Alabama. The survey results confirmed the existence of strong relationships between household characteristics and the willingness to pay higher prices for high value fruits and vegetables.

Monday, February 2
8:00 A.M. – 9:15 A.M.

PAPER SESSION - Augusta II

University Extension: Assessing Programs and Strategies

Moderator:
Brooklyn Anderson, Mississippi State University

Exploring the Access to Social Capital of GGAVATT Participants in Veracruz, Mexico
Sebastian Galindo-Gonzalez, University of Florida

The GGAVATT (Livestock Groups for Technology Validation and Transfer) is a technology transfer program for livestock producers developed in Veracruz, Mexico in the early 1980s. In this Extension program, neighboring farmers get organized into groups of a minimum of 10 participants to receive technical advice from a research institution through a group advisor. Using social constructionism as its theoretical perspective, the present study explores how these farmers co-construct their identities as GGAVATT participants in terms of their access to different types and forms of social capital. Qualitative data from 17 participants were collected through social interviews in 2007. Three collective stories were extracted from the data. A combination of narrative and discourse analyses was used to interpret these collective stories. Preliminary results have shown the important role that the social interaction within the GGAVATT plays in how its participants build up and access bonding, bridging, and linking types of social capital.

Measuring the Net Benefits of Volunteers in Youth Development Organizations: Results from Florida
Bryan D. Terry, University of Florida

The ability to utilize volunteers to meet an organization’s mission, goals and objectives depends upon the effectiveness of the organization to manage, lead and educate volunteers. Given the commitment of time, energy and financial resources, program efforts to support volunteers should be evaluated to similarly to other outreach initiatives. Utilizing a net benefits framework, this study evaluated volunteer programs in Florida (N=67) to assess the net benefits of volunteer involvement. Findings showed that the overwhelming number of volunteer programs in this study had positive net benefits (82%), the net benefits of volunteers for this organization were lower compared to a similar study. Additionally, organizations that empower volunteers in indirect program support roles had as much as a 98% increase in net benefits compared to programs that did not. Finally, the findings provide some support for using the net benefits framework for targeting specific strategies for providing direct services to youth.

The Influence of Agent/Client Homophily On Client Perceptions About Florida Extension’s Quality of Service
Robert Strong, University of Florida
Glenn D. Israel, University of Florida

Extension should continually ascertain clientele’s satisfaction with their services. In the environment of increased accountability, it is paramount that extension’s customers are satisfied with the service being delivered. According to Bonstingl (1992), an organization must first focus on their clients and providers because synergy plays a role between them. Rogers (2003) indicated when agent and client
are alike in personal and social characteristics the communication of new ideas is likely to have greater effects in terms of knowledge gain, attitudes formation and change, and overt behavior change.” The purpose of this study was to determine whether agent and client homophily affect perceptions about the quality of service. Using Florida Extension clientele as the study population, we merged survey data from Extension clients who completed a customer satisfaction survey with data on agents’ characteristics. A total of 1,466 clients and 157 agents were included in this study. When client’s and agent’s race were different, there was a small but significant decrease in satisfaction score for service than if their race was the same. Similarly, as the educational difference increased, clients were less likely to be satisfied with the service Extension provided. The findings show the need for strategies to overcome “the problem of heterophily.” One strategy is to increase efforts to recruit minority agents. Another strategy is to increase attention in professional development seminars to building skills in teaching clients who different in one or more ways from the agent.

Obtaining Responses from Extension Clients: Exploring Web and Mail Survey Options
Glenn D. Israel, University of Florida

Surveys are an important tool for conducting needs assessment and evaluation studies. Choosing a mode to implement surveys has become difficult given the development of web-based surveys and changes in telephone technologies. Each must grapple with challenges of reaching the intended population, obtaining responses that are representative, and providing accurate data. Thus, important questions are “When can web surveys be used?” and “How does the data differ from those collected by other methods?” These questions are addressed by comparing three modes of delivery: mail only, mail preference with a web option, and web preference with a mail option. Using data from the annual satisfaction survey, I found that response rates for the mail only and mail preference modes were nearly identical, while the web preference response rate was 10 percentage points lower. Extension clients who responded to the web version of the survey were somewhat younger than those who responded by mail. The former also were two times more likely to have visited FCES’ Solutions for your life web site for information. The evidence suggests that researchers and extension professionals should consider how their results might be affected by methodological decisions.
diseases such as high blood pressure, heart disease and diabetes. Majority of the respondents acknowledged the need to change their eating and exercise habits. They underscored the importance of nutrition education, tips and exercise facilities to make the transition. They also indicated the importance of regulations on food consumed away from home.

The Importance of Rural Journalism in Promoting Community Health
Laura H. Downey, University of Southern Mississippi
Al Cross, University of Kentucky

Media, particularly newspapers, have the potential to influence community change in numerous areas, including community health. In an effort to advance our understanding of rural journalism’s role in promoting community health, 22 journalists, editors, or publishers of newspapers that serve rural communities in Mississippi and Kentucky participated in a semi-structured interview between May and July 2008. Themes that emerged from transcript analysis centered on four primary areas of interest: the extent of coverage dedicated to health-related stories, the newspaper representative’s perceived role in covering health issues, barriers to covering health related stories, and facilitators that could make health coverage possible. Although most of the participants voiced an interest in covering local health issues, lack of personnel and other resources prevented them from providing such coverage. Partnerships between small-town newspapers and university faculty or students were identified as a way to overcome the obstacles that rural journalists encounter as they seek to give more attention to health issues.

National Energy, Local Health: A Community Experience in Coal Mining
Natalie Glynn, Auburn University

The focus of this research was environmental and human health issues related to coal mining. This qualitative study aimed to explore the local understandings of the differential health effects of surface versus shaft mining in a rural Alabama community. Property owners, citizen activist organizations, county health officials, government agency employees, and Coal Company representatives were interviewed to elicit the residents’ and officials’ perceptions of divergent health consequences concerning the distinct mining techniques. Snowball sampling and selection based on community activism were used to identify potential interview subjects. Recently proposed mines have been opposed by community members for numerous economic and health related reasons. An examination of the power relations within the community and between the government and community members revealed evidence of disenfranchisement and reliance on community organization to resist external, and often internal, pressures.

9:30 A.M. – 10:45 A.M.

PAPER SESSION - Augusta II

Crime in Rural America: Challenges and Opportunities

Moderator: Kellen Gilbert, Southeastern Louisiana University

Methamphetamine Abuse and Treatment in Rural America
Professor Kimora, The City University of New York

Methamphetamine is a highly addictive stimulant that can have serious effects on a user’s physical, mental, and social health. The National Survey on Drug Use and Health (NSDUH) reports that nearly 12 million Americans have tried methamphetamine. Methamphetamine use as recorded by the Substance Abuse and Mental Health Services Administration’s (SAMHSA) National Survey on Drug Use and Health includes prescription preparations and non-prescription/illicit methamphetamine. For the purposes of this paper, the author will concentrate on the implications of illicit rural usage of methamphetamine. The National Institute on Drug Abuse (NIDA) reports that increased methamphetamine availability and production is being found in rural areas of the United States. The following avenues to reduce methamphetamine use in rural areas will be explored: cognitive behavioral interventions; as well as child and teen programs, such as high-quality pre-kindergarten, in-home parent coaching, and after-school activities.

The Meth Epidemic: A Descriptive and Comparative Analysis of Response Programs
Terri L. Earnest, Francis Marion University
Lisa A. Eargle, Francis Marion University

This presentation examines the features of programs developed to address the Methamphetamine epidemic. We compare and contrast programs on the following features: (1) program origin (an individual, community groups, or state government); (2) program targets (geographic span; public in general versus specific groups, such as drug users); (3) type and number of organizations involved in the effort; (4)
methods used to reach targets (such as public service announcements, educational materials, or enforcement techniques); (5) length of program existence; (6) program location (rural versus urban; USA or another nation); (7) program goals and expected outcomes; (8) program successes, failures, and limitations; and (9) the demographic and socioeconomic characteristics of the program's operating area.

An Evaluation of a Rural Work Release Program
Tessie Haynes, Southeastern Louisiana University

Work release programs are successful in assisting offenders with making the transition from prison back to the work force. Certain eligible offenders may be admitted into the program from six months to three years prior to their release from incarceration. Offenders are required to work at an approved job and when they are not working, they must return to the work release facilities where they are monitored with shakedowns and random drug screenings. The purpose of this paper was to evaluate the work release program at the Pointe Coupee Parish Detention Center in the rural town of New Roads Louisiana. While the program itself seems to be running efficiently, no program is perfect. A concern of the facilities director is the high turnover rate in the inmates that are admitted into the program and those who actually complete it. Relevant information will be extracted from case records of both the successful and non-successful inmates in order to determine what patterns or similarities there are between the groups. This information will be helpful in determining how to improve the effectiveness of the program. The results will be discussed in the paper.

Gauging Media Consumption and Fear of Crime: A Comparison of Various Parishes in Louisiana
John Boulahanis, Southeastern Louisiana University
Bonnie Lewis, Southeastern Louisiana University

Using a social constructionist framework, this paper gauges public perception and fear of crime among residents in rural parishes of southeastern Louisiana by examining the reporting patterns of the media and their effects on public perception and fear of crime. Specifically, it is argued that the media, through their reporting patterns Post-Katrina and Rita, have socially constructed an atypical image of crime and, as a result, have resonated fear among those subscribing to their claims. It is further argued that the constructed fear has translated into various constraining behaviors and has affected overall quality of life.

RURAL SOCIOLOGY

PAPER SESSION - Augusta III

Sociological Inquiry and Collaboration
Moderator:
Anna Kleiner, Southeastern Louisiana University

Complexity and Systems Thinking: Applications of Social Problem Solving
Terrence Thomas, North Carolina A&T State University
Paula Faulkner, North Carolina A&T State University
Victor Ofori-Boadu, North Carolina A&T State University

In the post modern world, pressing problems that need our attention are complex; usually meaning that they are multifaceted and require contributions from more than one discipline, and the involvement of several stakeholders in order to formulate a solution. The literature suggests that collaborative and participative techniques are popular approaches for addressing these problems. This paper seeks to provide a theoretical foundation rooted in complexity and systems thinking that justifies and broadens our understanding of collaborative and participatory approaches as they apply to complex problem solving. The paper concludes with a set of suggestions for guiding the practice of solving complex social problems.

A Research Note on Scientific Methodology vs. Sociological Imagination as Craft
George Floro, Sul Ross State University

The end sought in this inquiry can be to bring these two together to revitalize sociological inquiry, resulting in a more rapid producing of knowledge in the discipline. The paper draws upon participatory and other research studies that give attention to the complexities of what sociologists study. Public Sociology and Participatory Research which move in this direction were featured in the 2008 annual meeting of the Rural Sociological Society. Most of the attention in the paper is given to outlining the craft alternative to methodology, since it is less prominent in current guidelines for the discipline. Louis Wirth, known for his urban studies but who thought they should be brought together with rural studies, Jane Addams, Charles Horton Cooley, C. Wright Mills, and Erving Goffman will be featured for penetrating social complexities and making a craftsmanship approach to the experience of social participants. Sociological work should be applied in forms that are applicable.
Collaboration: The View from the Field
Terence Thomas, North Carolina A&T State University
Benjamin Gray, North Carolina A&T State University
Paula Faulkner, North Carolina A&T State University
Victor Ofori-Boadu, North Carolina A&T State University

The purpose of this study is two fold: first, to present a summary of practitioners’ perspectives on the concept of collaborative problem solving; second, to present a qualitative comparison of practitioners’ perspectives with the primary themes of collaborative practice reported in the literature. Data for the study were collected from six community-based organizations in east Texas, using the listening session technique. Practitioners reported on the problem situation that prompted groups to initiate collaborative partnerships and the features of collaborative partnerships that produced good working relationships. Although there were similarities with theoretical perspectives reported in the literature, there were some differences concerning, (1) what groups considered important in collaborative partnerships, and (2) the world view that informed their perspectives. Understanding the situation specific nature of collaborative partnerships is crucial, if we are to realize the potential of “collaboratives” to solve complex social problems.

Participatory Innovation Development: Adapting Conventional Agricultural Extension and Research Methodology
Marta M. Hartmann, University of Florida

Participatory innovation development (PID) is an unconventional Extension approach, which promotes an engagement in a process that strengthens the capacities of agricultural services to support community-led initiatives. PID represents an effective tool to help social actors organize themselves to address complex societal issues requiring higher levels of collaboration among stakeholders. It leads participants through an accumulative, interactive, experiential learning process generated by a problem appraisal; which culminates with the identification of potentially useful interventions through collaborative inquiry. The use of this approach in several rural communities domestically and abroad suggests an improvement in the output of agricultural Extension and research; it confirms its relevance and applicability as a methodology, as well as its adaptability to particular contexts. Furthermore, the approach constitutes an effective tool for capacity building and knowledge empowerment on the part of all stakeholders.
Kansas. The prospect of the construction of a modern ethanol bio-refinery promised to bring jobs and economic vitality to the community. Not surprisingly, this also generated significant interest in the local and regional media, which extensively covered the establishment of the plant and the regional biofuels industry over the past eight years. This paper examines the press coverage of the establishment of the ethanol plant in Russell and the development of the biofuels industry in the region. The approach is a content analysis of articles from two key regional newspapers – The Salina Journal and The Hays Daily News. Of particular interest is the framing of environmental claims for biofuels development.

Biofueling Redevelopment?: Prospects and Challenges at Local and Global Scales
Theresa Selfa, Kansas State University
Uma Sarmistha, Kansas State University

In addition to contributing to ‘energy independence’, one of the primary claims made in support of the recent growth of biofuels is its potential to revitalize declining rural communities in the developed world as well as bring new economic opportunities to poor rural communities in the developing world. The bioeconomy is driving high commodity prices and the expansion of biomass acreage in many rural regions of the US. This paper compares and assesses the rural development claims in both developing and industrialized country contexts through analysis of the policy documents, as well as through an in-depth case study of one rural community in Kansas, which draws on in-depth interviews, focus groups and a community survey.

Renewable Energy and the Financial Crisis: Weathering the Storm
Anthony Crooks, USDA, Rural Development - Cooperative Programs

It is pretty cold out there! Frozen credit markets and oil prices have created significant challenges for the economy as a whole and particularly so for renewable energy projects. Capital is scarce. Among banks that have money, the debate is about how to allocate what is available among sectors. But most banks are experiencing difficulty in finding capital to lend. The nine largest banks lost a total of $323 billion over the last 18 months. In general, markets are in retraction toward stronger credit profiles and higher credit pricing to allow lenders to recover their costs of capital. The dirty little secret about the credit markets is not that primary lenders refuse to lend, but that buyers are demanding huge risk premiums in the secondary market. Among the biofuels refineries the bubble seems to have burst. The once farmer-owned biorefineries are now publicly-traded at well under two dollars a share (down from $30-$40 openings). And their financial challenges are mounting far beyond their equity losses. Biofuels refineries require significant amounts of operating capital which typically is borrowed 6-12 months in advance. And while many projects are continue to earn positive margins even as oil and ethanol prices are in decline, their working capital requirements are putting added pressure on both refinery and lender.

On a brighter note, the election of President elect Obama has settled for now the debate about which US biofuels policy will be going forward. And the massive Wall Street rescue package signed by President Bush in October included significant tax incentives for renewable energy. So while the new Congress and Administration appear doubly committed to the long term growth and viability of the nation’s renewable energy portfolio, surviving the near-term uncertainties of our financial winter of discontent may prove to be the individual firm’s most formidable challenge. This presentation intends to explore the array of economic, financial, and institutional challenges and opportunities that beset the renewable energy sector as it endures to brighter days.

Leveraging Farm Policy History to Understand Biofuels and Trade Dynamics in the 2008 Farm Bill
Nadine Lehrer, Washington State University

Agricultural policy has changed incrementally over time; however, a few Farm Bills have produced dramatic changes. This raises two questions: What factors would cause policy to change one year and much less another year? And can understanding historical change drivers help groups advocate future policy change? This paper looks to farm policy history for Farm Bills that have produced moments of rapid change and asks why – what contexts, group strategies, frames, ideologies, and interactions combined to make change possible? This analysis finds that while difficult to isolate drivers consistently favoring change or stability, a unique ever-changing combination of interacting drivers can make for or inhibit change at a particular moment in time. This historical understanding of farm policy is used to understand reform efforts for the 2008 Farm Bill arising with trade pressures and receding with the biofuels boom, and provides a base for assessing future farm policy reform prospects.
RURAL SOCIOLOGY

POSTER SESSION - Peachtree Balcony (L8)

Public Perception of the Threats to the Quality of Drinking Water in Rural North Carolina
Benjamin Gray, North Carolina A&T State University
Terrence Thomas, North Carolina A&T State University
Ellen Smoak, North Carolina A&T State University
Robert Williamson, North Carolina A&T State University
Marquisha Edmond, North Carolina A&T State University

The purpose of this study was to explore rural residents' perceptions of their drinking water and expose potential threats to the quality of drinking water supplies. Increasing rural residents’ awareness of water quality will improve their overall quality of life by uncovering potential hazards and other determining factors of a healthy and safe lifestyle. This study involved a telephone survey with a random sample of 250 adults residing in households in 39 rural counties in eastern North Carolina. The findings of this exploratory study indicated that age has the most impact on the perception of water quality, while education and income have slightly less significant impacts. Hazardous waste landfills were found to be the most hazardous to the drinking water of rural residents. Respondents rated perceived threats to the quality of drinking water at different levels when analyzed by the demographic variables used in this study.

Leadership for Utilizing Contributions to Passion and Craft
George Floro, Sul Ross State University

This poster was first accepted for presentation at the IGA conference in Queretaro, Mexico on August 31, 2008-September 4. The second exhibit was at a meeting of its sponsor Big Bend People & Goats. The third exhibit occurred at the Wisconsin Sociological Association meeting at Rockford, Illinois. An additional objective in this fourth exhibit of the poster is to increase its outreach to viewers. Challenge to do this came from disappointment at the first attempt. The poster was lost on the way to the 9th International Goat Conference in Mexico. What was presented in its place was a synopsis offered to visitors as a handout. The poster was replaced for a series of other presentations. A second handout, identified as a review, had been prepared for both the second and third scheduled exhibits. A third handout will be added for the fourth presentation. Covered will be a review of its outreach features: an odyssey approach to inquiry showing discoveries, making copies available through the internet when requested, restating characteristics of “participatory research” such as forms of collaboration between experts and producers, respect for producers, and proposing different sources of these in agriculture within developing and overdeveloped societies.

“What's Your Concern About Food?”: Shopper Survey at Five Food Retail Sites in Lexington, Kentucky
Rebecca Som Castellano, University of Kentucky
Niki King, University of Kentucky
Julia Hanna, University of Kentucky
Sarah Hunt, University of Kentucky
Keiko Tanaka, University of Kentucky

As part of the course project in SOC 517: Rural Sociology at the University of Kentucky, a shopper survey was conducted in the first two weekends of October to investigate what concerns residents in Lexington, KY have about food and what they see as positive and negative aspects of the existing food system. Total 332 survey questionnaires were collected at five sites, including two sites of Lexington Farmers Markets, two Wal-Mart Supercenters, and Good Foods Market & Café (a member owned food cooperative). This paper discusses key findings from this survey. The first section briefly discusses key characteristics of Lexington, followed by a section on the survey design. Third, we present overall findings, and then compare differences in food concerns among shoppers by shopping site and socioeconomic background. The paper concludes with suggestions for changes in the survey design and recommendations for a proposal to create a food policy council in Lexington.

Food Safety Behavior: It’s More Than Just “Concern”
Michelle R. Worosz, Auburn University

While studies show consumers to be increasingly concerned about food safety, they also find that many consumers fail to use the recommended handling, cooking, and storage practices that would reduce the likelihood of contamination. One explanation for this discrepancy is that consumers' views have not been fully captured in previous research using closed-ended questions. This research is based on an open-ended question, “what comes to mind when you hear the term food safety,” from a national telephone survey of U.S. adults (n=1,013). These data suggest that consumers view food safety as a range of (a) behaviors that prevent disease, (b) agents that cause disease, (c) actors responsible for thwarting disease, (d) consequences of disease, (e) vectors and vehicles that transmit disease, and (f) diet and nutritional issues that may lead to disease. Socio-
demographic characteristics had the greatest influence on respondents' conceptualization of food safety.

**FILM SESSION - Augusta II**

**Appalachia in the Academy: The Making of Eastern Kentucky Scholars**
Chris Stapel, University of Kentucky

This film is a look at the experiences of three Appalachian students during their first year at the University of Kentucky, where they face unique challenges, and ultimately, successes. The documentary shares their histories, expectations, goals, and fears as well as those of their families and communities. Topics of family, community, education, religion and sexuality are explored. A KET Fund for Independent Production.

2:45 P.M—4:00 P.M.

**PANEL DISCUSSION - Augusta II**

**Black Belt Regional Studies and Leadership Development: Preparing Leaders to Make a Difference**

**Moderator:**
Rosalind Harris, University of Kentucky

**Panelists:**
Sokoya Finch, Florida Family Network
Veronica Womack, Georgia College and State University
Dreamal Worthen, Florida A&M University

This session builds upon the discussions of scholars and activists working together over the last four years to strengthen community-university partnerships for change within the Black Belt region. It will focus on strategies designed to enhance the capacities of the region’s higher learning institutions in preparing a critical mass of leaders to skillfully examine the historical background, cultures and the current social, economic and political realities of the region in tandem with community-building research emphasizing viable, co-equal partnerships between students, scholar-researchers, and community-based participants.

**PAPER SESSION - Augusta III**

**The Structure of the Agri-Food System: Local to Global Consequences and Responses**

**Moderator:**
Glenn Israel, University of Florida

**Regional Integration in the Poultry Industry: Tyson Foods and Labor Recruiting**
Douglas H. Constance, Sam Houston State University
Travis S. Miller, Sam Houston State University

The structure of the poultry industry as developed in the US South in the 1950s is advanced as the model of global agro-industrialization. The poultry industry in North America is characterized by increasing regional integration post-NAFTA. Not only are corporations such as Tyson and Pilgrim's Pride extending their influence in Mexico, but Hispanic labor has become the primary source of workers for the processing plants in the North. As northern capital flows South, southern labor flows North. In this paper we document this phenomenon in general and then focus on the case of Tyson Foods. Tyson Foods was recently involved in a lawsuit in which it was charged with illegally recruiting workers from Mexico to staff some of its poultry processing plants in the US. The case is analyzed using the concepts of global sourcing and the informalization of labor as part of the globalization project.

**A Comparison of Conventional and Fair Trade Commodity Chains in the Banana Sector**
Mona Avalos, Sam Houston State University
Terry Martin, Sam Houston State University
Nicole Miller, Sam Houston State University
Ben Robertson, Sam Houston State University

Commodity chains are a frequently used approach to study the creation and extraction of value in agrifood systems. Recently, Fair Trade commodity chains have been advanced as a positive alternative to conventional commodity chains dominated by transnational corporations. In this research we compare a conventional commodity chain to a Fair Trade commodity chain focusing on the banana sector. Chiquita bananas is used as the exemplar of the conventional commodity chain and Co-op America bananas is the exemplar of the Fair Trade chain.
Commodity chains are a frequently used approach to study the creation and extraction of value in agrifood systems. Recently, Fair Trade commodity chains have been advanced as a positive alternative to conventional commodity chains dominated by transnational corporations. In this research we compare a conventional commodity chain to a Fair Trade commodity chain focusing on the coffee sector. Folgers Coffee is used as the exemplar of the conventional commodity chain and Starbucks Ethiopian Sidamo Coffee is the exemplar of the Fair Trade chain.

Cross-Cultural Regulation: An Analysis of Pesticide Regulation in the U.S. and Japan
Elizabeth Ransom, University of Richmond
Josh Huffines, University of Richmond

Pesticides have been a mainstay in industrial agriculture since the 1960s, yet the harmonization of pesticide regulation between developed nations has been the source of significant controversy over the past half century. As recently as 2006, Japan implemented a new regulatory policy for agricultural chemicals that is vastly different from the United States' method of regulation.

Through an analysis of two Japanese and two United States newspapers over a ten year period (1998-2008), this work examines how Japan and the United States differ in their discussion and approach to regulating pesticides, specifically focusing on the differences in scientific, economic and cultural discourses related to pesticides. Our findings demonstrate that Japanese consumers play a much more active role in the conversation surrounding pesticide regulations, while the food industry and the government are much more involved in framing pesticide debates in the United States. In an effort to explain the different regulatory patterns between these two nations, we conclude our study with a discussion of the agri-food landscape and the differing cultural values of the two countries and the ways this shapes national discourse related to pesticide regulation. The results of the research provide an analysis of the intersection of ethics and science based government regulation. Our work can provide a framework for considering the ways in which these two nations will most likely differ in their regulatory approaches to future agrifood technologies, such as nanotechnology.

The Threats and Opportunities of Globalization in Local Agricultural Communities: Case Study in Egypt
Ashraf Ragab EL-Ghannam, Agricultural Research Center, Egypt

Globalization is the growing integration of economies and societies around the world. It is an inevitable phenomenon in human history. But over the last decades, the pace of this global integration has become much faster. The objective of study is: to identify the effects of threats and the benefits of globalization on local agricultural communities. The study will answer the questions about where are we today. And what can we do? The answer of these questions includes possible solutions to avoid the effects of globalization. For method technique, the study will select some rural areas from Egypt. Secondary data were collected from available various sources. Frequencies and percentages are used as descriptive measures. Estimate the amount of threats and opportunities of globalization will be made by using regression analysis. The results will support interpretations and explanations of globalization. Also, it provide a potential framework for how to work with people, groups, and organization to avoid the globalization effects.

The Analytical Study of Food Crisis in Developing Countries: Impact and Recommendations
Ashraf Ragab EL-Ghannam, Agricultural Research Center, Egypt

The world is experiencing a dramatic increase in food prices. Although the food market situation differs from country to country and future evolution remains highly uncertain, best projections suggest that food crisis are likely to remain high in the next few years and are expected to affect most developing countries. The objectives of this study are to: identify the reasons of food crisis around the world and specifically in developing countries, identify the impact and recommendations of food crisis in developing countries. The study will deal and discuss the causes and consequences of the food crisis and conclude the possible actions to avoid it. For sampling technique, the study will select some developing countries that have available data about food crisis, especially from FAO organization data. The statistical methods will use are frequencies, percentages, and correlation coefficients. The results will provide some short and long term policy options to help mitigate the negative impacts of food crisis.
Disaster Experiences, Outcomes, and Preparedness

Moderator:
Gerald McNeill, Southeastern Louisiana University

“Farming is a Hazardous Way of Life”: Agricultural Disaster Experience and Preparedness in Southern Illinois
Courtney G. Flint, University of Illinois at Urbana-Champaign
Lisa Pickert, University of Illinois at Urbana-Champaign
Lauren Williams, University of Illinois at Urbana-Champaign

The agricultural sector is particularly vulnerable and exposed to the impacts of hazard events and risks inherent in changing environments, social dynamics, and economic conditions. Yet, there is a culture of self-reliance and mutual assistance among farmers that can influence local capacity to mitigate risk and respond to emergencies. This paper describes a study of the disaster experiences and preparedness efforts of farmers in Southern Illinois. In-depth interviews with 36 farmers from various types of production and farm sizes were conducted in summer 2008. Results revealed a broad interpretation of the meaning of “disaster” among farmers. There was a sense that Southern Illinois farmers were generally “on their own” in terms of disaster preparedness and that informal activities, planning, and connections were more influential than formal emergency preparedness efforts. A regional field theory perspective is used to interpret findings and outline a potential framework for promoting greater disaster resiliency among farmers.

Spatial Trends Associated with Hurricane Migration for Mississippi Counties
Brooklyn J. Anderson, Mississippi State University
Darrell L. Fannin, Texas A&M University
Garen K. Evans, Mississippi State University

While population migration has been studied by academic researchers for several decades, few studies have explored the spatial and directional migration trends associated with natural disasters, such as hurricanes. This paper uses Geographic Information Systems (GIS) to map migration trends for Mississippi counties, between 1983 and 2005, based on migration data obtained from the Internal Revenue Service (IRS). Because these data are collected and recorded on an annual basis, they allow for the identification of population shifts associated with Hurricane Katrina. Implications of both net and gross migration rates for rural Mississippi counties are discussed, and future research directions are proposed.

Rebuilding Lives After Hurricane Katrina
Andrew A. Zekeri, Tuskegee University

On August 29, 2005, Hurricane Katrina made landfall along the coasts of Alabama, Mississippi and Louisiana. In Katrina’s aftermath, the lives of thousands if not millions of families and communities along the Gulf Coast have forever been changed. The devastation caused by Hurricane Katrina left hundreds of thousands of families without food, water, shelter, clothing and medical supplies. The humanitarian effort after the disaster was tremendous and the outpouring of donations and support were great. However, after three years, many of those whose lives have been forever changed by Hurricane Katrina continue to face enormous obstacles. This paper examines what some people affected by the hurricane are doing in rebuilding their lives.

Food Insecurity Among Families Affected by Hurricane Katrina
Andrew A. Zekeri, Tuskegee University

The purpose of this paper is to report data on food insecurity (lack of access at all times, due to insufficient funds to purchase enough food to maintain an active and healthy lifestyle) among families affected by Hurricane Katrina. Though studies have found that food insecurity is a significant and ongoing problem in the United States, little is known about the food status of those affected by Hurricane Katrina.

Organizational Capacity in the Disaster Context: An Action-Oriented Study of Community-Based Nonprofit Service Providers
Anna M. Kleiner, Southeastern Louisiana University
John J. Green, Delta State University
JoLynn P. Montgomery, University of Michigan
Katie Kerstetter, Delta State University

The physical, social and economic damage caused by Hurricane Katrina required collective action from the state, economy and civil society. The disaster also challenged the ability of local nonprofit organizations to meet people’s immediate and long-term needs. These service providers have had to evaluate internal and external organizational issues, such as increased demand for services, limited resources, and vulnerability to future crises. Informed
by a combined livelihoods and organizational capacity conceptual model, this paper describes the experiences, challenges, and recommendations of nonprofit service providers operating on the Mississippi Gulf Coast and in Louisiana. It is based on community-level “participatory” action research strategies that we implemented in this region. Also assessed are the capacity development strategies employed by five specific groups in the post-Katrina context. The paper concludes with insights on how organizations can become more responsive and expand their access to resources.

PAPER SESSION - Augusta III

Learning Essentials of Rural Education

Moderator:
Bonnie Lewis, Southeastern Louisiana University

The Rural Achievement Gap in Mathematics: An Analysis of Two National Probability Samples of High School Seniors
Edward B. Reeves, Morehead State University

This paper explores the spatial inequality of mathematics achievement in American high schools. Achievement in math is strongly linked to postsecondary educational success and therefore to adult status attainment. Roscigno and Crowley (2001) developed and tested a theory of rural educational inequality. The present study tests an extension of this theory using the NELS 1992 and ELS 2004 cohorts of high school seniors. I examine how student demographics, private school attendance, family resources, and opportunity to learn in advanced math courses account for the geographic differences in mathematics achievement. The analysis is unusual in that it examines achievement across the distribution of math test scores, and not only at the mean. The analysis also tests for moderating and mediating effects of the predictor variables on math achievement scores. The findings suggest the rural math achievement gap can be substantially narrowed, or even closed, with school-related policies and strategies that enhance the opportunity to learn.

Good Food at a Cheaper Price?: The Effectiveness of School Lunch Programs in Rural Schools
Cheryl Hudec, Sam Houston State University

Rural areas are much more likely to possess the conditions that encourage reliance on food insecurity programs including School Lunch Programs. At the same time, the USDA is promoting programs to counter poor nutrition within the school systems. Most affected by these programs are children, more specifically and especially, rural children. Although there is great praise among implementers for the effectiveness of these programs, the gossip among students, parents, and teachers yields that these school lunches are highly unappetizing and sometimes even inedible. Policy makers are aware of the nutritional problems faced by children today, as reflected in the programs that they have implemented. However, if rural children are so highly affected by the problems of food insecurity and poor nutrition, should it not be of concern that these children actually consume the food that is suppose to improve their health? This paper examines the efficacy of these school lunch programs utilizing small surveys issued to the student body and faculty within rural schools in Texas.

Using Collaborative Learning Groups to Teach Sustainable Development
Alan W. Barton, Delta State University

Collaborative Learning Groups provide a means of engaging students in learning through active participation in a variety of learning activities with other class members throughout the semester. I discuss how I used Collaborative Learning Groups in a course on Sustainable Development during Fall semester, 2008. Students participated in a semester-long project as members of groups that represented different perspectives on sustainable development. I assess how students perceived the overall project, its various components, and how the project encouraged engagement in the course material.

“Tell Us Your Concerns About Food”: Shopper Survey as an Instructional Tool For a Rural Sociology Course
Keiko Tanaka, University of Kentucky

SOC 517: Rural Sociology at the University of Kentucky is designed to help advanced undergraduate and graduate students survey rural sociology as an intellectual field within sociology as well as an institution for social change. This is the third time that Lexington Community Food Assessment is used as a course project for the instructor and students to apply sociological perspectives and tools to examine, understand, and address a “social problem” in our own community. This year, 15 students (10 undergraduate and 6 graduate students) carried out the survey of shoppers at five sites in Lexington and semi-structured interviews with community leaders. This paper discusses merits and limitations in using a course project surrounding a food security issue as an instructional and learning tool in a Rural Sociology course.
**Past and Present Rural Leadership Development Successes Reflected through Collection of Mississippi Delta Oral Histories**

Marna Weston, University of Florida  
Glenn Israel, University of Florida  
Nicole Stedman, University of Florida  
Paul Ortiz, University of Florida

A University of Florida Oral History research group visited Indianola, Mississippi (September 11-13, 2008) to record narratives from veterans of the Council of Federated Organization’s (COFO) activities in Mississippi during the 1960’s. The group traveled to Mississippi to learn how personal leadership was influenced by 1960’s COFO civil rights experiences in the Mississippi Delta. COFO founded “Freedom Schools” or grassroots voter registration and literacy programs in Mississippi Delta communities. Through “Freedom Schools,” a reciprocal process of education and advocacy emerged between locals and COFO volunteers. While supporting “Freedom Schools” COFO volunteers lived in, and became members of local communities. Veterans report after they left Mississippi, their lives remained framed within the context of their COFO experiences. Our research found that social interactions, including living among local people, and shared learning experiences, affected the development of further personal leadership strategies, in addition to promoting social change.

**Understanding Leadership Behavior in Developing Future Community Agricultural Leaders**

Bryan Patterson, University of Tennessee

Agricultural leaders have traditionally played an important role in most rural communities and industries. With the agricultural field becoming more specialized and increasingly challenged, the need for leadership is greater today more than ever before (Kansas Agriculture and Rural Leadership, 2006). Beyond the agricultural industry, many agricultural communities also are being challenged. Many of the traditional agricultural communities are experiencing a decline in community development activities as compared to their urban counterparts (W.K. Kellogg Foundation, 2004). Thus there is a need for leadership, not just in agriculture, but throughout rural America as it competes in the global market place. Businesses and nonprofit organizations are finding it difficult to fill leadership positions due to a lack of properly trained leaders. Without capable leaders, agricultural firms and community organizations are prone to decay and failure (Hustedde, 1996). This study utilized quantitative measures to identify leadership behaviors of undergraduate College of Agricultural and Life Sciences (CALS) students at the University of Florida in Gainesville to examine the relationship between the students’ past and present leadership experiences in relationship to their community leadership behavior. This study will examine how demographic variables are predictors of leadership behaviors of CALS students. It also examines gaps between CALS students’ community leadership experiences and self-perceived leadership behaviors.
Strategies and Program for Training Local Leaders to Think Globally
Patricia Hyjer Dyk, University of Kentucky
Jessica Kropczynski, University of Kentucky

Some community-based leadership programs are refocusing efforts to prepare participants to not only be effective leaders in their local context but be equipped to position their communities in the global sphere. To gain a clearer idea of the programs and strategies being implemented, a survey of community-based leadership training programs across the Southern region was conducted. Program leaders indicated whether their programs trained leaders to a) be globally aware, b) see the connection that what is done in their local community can have a global impact, and/or c) addressed the issue of globally branding their community/region as an economic development strategy? Findings from the study and implications for leadership and community development will be discussed.

PAPER SESSION - International F

Farm Safety and Security
Moderator:
Thomas Gray, USDA Rural Development

Factors Influencing the Occurrence of Farm Injuries Among Black Farmers in the Southern Coastal Region
Kenrett Y. Jefferson-Moore, North Carolina A&T State University
Ralph Okafor, North Carolina A&T State University
Mohammed Ibrahim, North Carolina A&T State University
Anthony K. Yeboah, North Carolina A&T State University

There has been limited information about the degree to which farm injuries occur among Black farmers in the South. In an effort to better understand the occurrence of farm injuries of Blacks in the Southern Coastal Region of the United States, a multi-state (VA, NC, SC, GA, AL, MS, and FL) study explore health and safety concerns of Black farmers. The objective of this study is to identify factors influencing the occurrence of farm injuries among Black farmers in the selected region using odd-ratios. Data were obtained through a representative sample of 1,005 Black farmers located in selected region identified for the study. Preliminary results indicate that an average farmer is 59 years of age, tends to be male, and has good health (although cholesterol and arthritis problems are present). Cuts tend to be the highest injury type among these farmers, followed by injuries caused by tractor and/or implements.

Collaborating with Farmworkers to Develop New Safety Technology
Paul Monaghan, University of Florida
Sebastian Galindo-Gonzalez, University of Florida
Antonio Tovar, University of Florida
Glenn Israel, University of Florida

Designing and evaluating technologies and programs to improve agricultural safety is difficult for farmworker populations due to the physical demands of harvesting, the crew leader system, the lack of regulatory oversight and cultural and legal barriers to reporting safety violations and increasing the use of personal protective equipment (PPE). An innovative camp health aide program was developed to reduce eye injuries among citrus workers in Florida and convince them to voluntarily adopt safety eyewear. An evaluation of the program in 2007 concluded that workers complained of increased sweat and fogging from safety glasses. This paper will describe three studies conducted with workers in the field to evaluate safety eyewear technology and the problems of heat and fogging. This includes a qualitative assessment of eyewear styles and a systematic observation of resistance to fogging using different types of lens coatings. We conclude with lessons learned from educational and behavioral approaches, the limits of appropriate technology and the need for collaboration with farmworkers to address the complex issues of agricultural safety.

Risk Management Needs of Small and Limited Resource Farmers and Ranchers in Alabama
Duncan M. Chembezi, Alabama A&M University
E'licia L. Chaverest, Alabama A&M University

Agricultural risk management is increasingly becoming a key issue for farmers and ranchers and continues to attract or receive significant political attention. Much of the research in this area has been oriented towards commercial agriculture (large farmers and ranchers). There is critical need for more research on understanding how small and limited resource farmers and ranchers, especially in underserved communities, make decisions under uncertain economic and market conditions. This type of information is necessary to better understand these producers’ goals and motivations, and to focus educational programs directed toward their needs. This paper provides selected preliminary summary statistics from a survey of small and limited resource farmers and ranchers in Alabama. The results are
based on a needs-assessment risk management survey conducted between October 2007 and March 2008. The population of interest consisted of farmers and ranchers with less than $50,000 of sales during the 2002 Census of Agriculture. With this assumption, we were able to capture most, if not all, of the small and limited resource agricultural producers in Alabama. The major subject categories reported in this paper include: perceptions of various risks and the effectiveness of risk management tools, perceptions of farm policy alternatives, crop insurance participation, participation in and desire for risk management education, and use of pricing techniques.

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ALPHABETICAL LIST OF MEETING ROOMS

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<tr>
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<tr>
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<tr>
<td>Augusta Balcony</td>
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<td>Augusta I</td>
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<tr>
<td>Augusta II</td>
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<td>Augusta III</td>
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<td>Boardroom</td>
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<tr>
<td>International Balcony</td>
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<tr>
<td>International Rooms A-H</td>
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<tr>
<td>International Room Foyer</td>
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<td>Peachtree Balcony</td>
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<tr>
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<tr>
<td>Plaza Ballroom</td>
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<td>Roswell Room</td>
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<td>Vining Rooms I &amp; II</td>
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<tr>
<td>Vinings Balcony</td>
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Future Meeting Dates & Locations

2010 – Orlando, Florida (Feb 06-09)
2011 – Corpus Christi, Texas (Feb 05-08)
2012 – Birmingham, Alabama (Feb 04-07)