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

For the Reception:

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Mr. Randy Veach, Chairman & President
1401 Livingston Lane - 39213-8098
P. O. Box 78
Jackson, Mississippi 39205
(601) 981-7422

For printing of the programs:

LSU AgCenter
Dr. Bill Richardson, Vice-Process & Dean
101 J. Norman Efferson Hall
110 Union Square
Baton Rouge, LA 70803
(225) 578-4164
Email: brichardson@agcenter.lsu.edu

Conference participants are encouraged to thank the sponsors for their support of SAAS.
Southern Association of Agricultural Scientists
Annual Meeting and Conference

Jacksonville, Florida

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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Posters will be displayed in the hotel’s Conference Center A, located on the 3rd Floor.

HR = Hyatt Regency Jacksonville-Riverside

Walking directions (.3 mi) from Hyatt to Super Bowl Party: Exit Hyatt through ocean side door. Take right toward S. Newnan – Take slight left onto E. Coastline Dr. (go under bridge) – Continue on E. Coastline – Turn right into Jackson Landing.
ADMINISTRATIVE HEADS OF AGRICULTURE

SAAS Registration
Sunday, February 4 - 8:00 am - 4:00 pm
Monday, February 5 - 8:00 am - 4:00 pm
Tuesday, February 6 - 8:00 am – Noon
Hotel 3rd Floor – Skybridge

SAAS General Business Meeting
Sunday, February 4
4:00 pm – 4:15 pm
Hotel 2nd Floor
Grand Ballroom Section 6

SAAS Social & “Super Bowl Party”
Sponsored by Southern Farm Bureau Life Insurance Co., Jackson, MS, and Affiliates
Mavericks Live at Jackson Landing
Social – Doors open at 5:00 pm
Mojo BBQ to be served at 6:00 pm
Kickoff – 6:30 pm (EST)

EXECUTIVE COMMITTEE MEETINGS

Sunday, February 4
SAAS Board Meeting
2:30 pm – 3:30 pm
Hotel 3rd Floor
Boardroom 6

Tuesday, February 6
SAAS Board Breakfast Meeting
7:00 am – 9:30 am
Hotel 3rd Floor
Boardroom 2

AGRICULTURAL COMMUNICATIONS

Fees: When you register on-site, a receipt will be provided for reimbursement. Fees are association fees + SAAS fee ($60 for professionals, $5 for graduate students & $0 for undergrads).

<table>
<thead>
<tr>
<th>Admin Heads of Agric</th>
<th>Sunday &amp; Monday - 8am-4pm</th>
<th>Third Floor - Skybridge</th>
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<tr>
<td>Ag Comm</td>
<td>Sunday &amp; Monday - 8am-4pm</td>
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<td>Ag Econ</td>
<td>Sunday - Noon-4pm</td>
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<td>Ag Educ</td>
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<td>Monday - 7am-5pm</td>
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<tr>
<td>Biochem</td>
<td>Sunday &amp; Monday – 8am-4 pm</td>
<td>Third Floor - Skybridge</td>
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<tr>
<td>Horticulture</td>
<td>Friday - 7am-6pm</td>
<td>Hotel Lobby</td>
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<tr>
<td>Plant Path</td>
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<td>Res Ctr Admin</td>
<td>Not meeting with SAAS</td>
<td>this year.</td>
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<tr>
<td>Rural Soc</td>
<td>Sunday – 8am-3:30pm</td>
<td>Monday – 8am-3pm</td>
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Registration & Meeting Rooms:
All registration and meeting rooms are located in the Hyatt Regency.

Posters:
Posters will be displayed in the hotel’s Conference Center A, located on the 3rd Floor.
Southern Association of Agricultural Scientists
Administrative Heads of Agriculture Section (AHS)

Monday, February 5
11:00 am – 3:00 pm
Administrative Heads of Agriculture Section (AHS) Meeting
Hotel 3rd Floor
Boardroom 2
Lunch will be served.

SAAS Agricultural Communications Section
Hyatt Regency Jacksonville-Riverfront
Jacksonville, FL | Feb. 4-5, 2018

Sunday, Feb. 4
7:30-8:30 a.m. Breakfast & Networking, River Terrace 2
8:30 a.m. Paper Session I, River Terrace 2
Welcome (15 minutes)

Florida consumers’ latitudes of acceptance, rejection, and noncommitment of genetically modified food information
Taylor Ruth & Joy Rumble – University of Florida

Case study integration in the undergraduate classroom: Can we enhance willingness to communicate?
Jessica Harsh, Alexa Lamm, Ricky Telg, & Becky Raulerson – University of Florida
Katie Abrams – Colorado State University
Courtney Meyers – Texas Tech University

Piloting participatory arts-based methods for exploring Indonesians’ experiences in a U.S. biotechnology training program
Jamie Loizzo, Richard Goodman, & Mary Garbacz – University of Nebraska-Lincoln

9:45 a.m. Break
10:00 a.m. Professional Development Session I, River Terrace 2
An introduction to interactive infographics in Tableau
Erin Burnett & Jessica Holt, University of Georgia

10:15 a.m. Paper Session II, River Terrace 2
The Food Factor: Relating brand exposure to behavior intention
McKayla Brubaker – Great Plain Manufacturing, Inc.
Quisto Settle – Oklahoma State University
Alisha Hardman, & Laura Downey – Mississippi State University
<table>
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<tr>
<th>Time</th>
<th>Event</th>
<th>Details</th>
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</table>
| 8:00 a.m.    | **Paper Session IV, River Terrace 2**                                | Creating relevancy in scientific information: An analysis of the impact of motivational salience and involvement on visual attention  
Laura Fisher, Courtney Meyers, R. Glenn Cummins, Courtney Gibson, Matt Baker - Texas Tech University |
| 11:15 a.m.   | Lunch (on your own)                                                  |                                                                         |
| 1:00 p.m.    | **Paper Session III, River Terrace 2**                               | Lights, cameras, and agricultural documentaries: Influence on opinion change  
Brooke Beam, Emily Buck, Annie Specht - The Ohio State University |
|             | Measuring the influence of Twitter-based crisis communications strategies on brand reputation via experimental design  
Courtney Boman, Jason Ellis - Kansas State University |                                                                         |
|             | What’s the beef about Facebook: A content analysis of Junior Cattle Breed Association engagement on Facebook  
Leighton Chachere & Courtney Gibson - Texas Tech University |                                                                         |
|             | A quantitative assessment of possession rituals and engagement in Pinterest: An examination of the agriculture industry  
Cassie Wandersee & Lauri Baker – Kansas State University |                                                                         |
| 2:30 p.m.   | **Poster Session** (Setup at 2 p.m.) – Conference Center A          |                                                                         |
| 4:00 p.m.   | **SAAS General Business Meeting** – Grand Ballroom, Section 6        |                                                                         |
| 5:00 p.m.   | **SAAS Social Reception/Super Bowl Party** – Mavericks Live at Jackson Landing |                                                                         |
| 8:40 a.m.   | **Professional Development Session II, River Terrace 2**            | The development of Streaming Science: A project-based learning approach for engaging undergraduates in 21st century science communication (30 minutes)  
Jamie Loizzo, Mary Harner, Keith Geluso, Michael Forsberg, & Michael Farrell – University of Nebraska-Lincoln |
| 9:10 a.m.   | **Professional Development Session III, River Terrace 2**           | Break  
Crisis Communication: Lessons Learned from Hurricane Irma (45 minutes)  
Angie B. Lindsey and Ruth Borger – University of Florida, UF/IFAS |
| 9:25 a.m.   | **Professional Development Session III, River Terrace 2**           | Using Basecamp for project management in agricultural communications capstone courses (15 minutes)  
Lindsay W. Kennedy, Courtney Meyers, Erica Irlbeck Instructor, & Courtney Gibson – Texas Tech University |
| 10:25 a.m.  | **Break**                                                            |                                                                         |
| 10:40 a.m.  | **Business Meeting, River Terrace 2**                               |                                                                         |
| 12:30 p.m.  | **Adjourn**                                                          |                                                                         |
View the full research papers presented during the 2018 SAAS Agricultural Communications Section at https://sites.google.com/a/extension.org/saasagcom/m/.

All authors are encouraged to submit their papers to the Journal of Applied Communications. More information is available at http://journalofappliedcommunications.org/.

SAAS Agricultural Communications Section
Poster Session

RESEARCH POSTERS

A Content Analysis of the use of Facebook to Promote a National Beef Cattle Show
Arianna Bigham, Garrett Steede, & Diane Meyer (TTU)

Risks to Our Food Supply from Climate Change
Erica M. Balmer & Linda J. Pfeiffer (Purdue University)

Measuring Attitudes Towards Infographics
Erin Burnett & Jessica Holt (UGA)

Facebook Use Among Agricultural Doctoral Students to Promote Agriculture & Research
Kelsi Opat & Erica Irlbeck (TTU)

The Next Generation of Video Marketing: A qualitative study exploring the use of 360-degree video to market plants to millennials
Lauri M. Baker, Andres De Leon, Ernest Jones, Deanna Reid, & Kelsey Tully (KSU)

Farm Tales: How written narratives about GM food influence anti-GM food activists’ attitudes.
Amber Krause (TTU)

Farmers and surveys: Increasing farmer survey response rate
Micah Levinson, Ethan Cartwright, Jessica Holt, & Adam Rabinowitz (UGA)

What Skills Get Agricultural Communication Students Hired:
Madalynn P. Kainer, Shannon L. Norris, & Holli Leggette-Archer (TAMU)

INNOVATIVE POSTERS

Teaching Students to Measure the Impact of Social Media Campaigns through an Industry-Based Certification
Laura Fischer (UK) & Garrett Steede (TTU)

Social Media Reporting for Events and Conferences in the Agricultural Sector
Gipsy Bocanegra (TTU), Kelsi Opat (TTU), Alessandra Gheradrdelli (Social Media Coordinator Committee on World Food Security), & Todd Brashears (TTU)

Communicating with the Public about Science and Agricultural Issues using Facebook Live
Ashley McLeod (UF)

Text message surveys: Potentials, pitfalls, and practicality
Jordan DeWitt & Jessica Holt (UGA)

2017-2018 Agricultural Communication Section Officers

President
Quisto Settle
Mississippi State University

Vice President
Abigail Borron
University of Georgia

Secretary
Tobin Redwine
Texas A&M University

Executive Treasurer
Ricky Telg
University of Florida

Past President
Lauri M. Baker
Kansas State University

Graduate Student Representative
Levy Randolph
University of Florida

Please join us for the 2019 SAAS Annual Meeting in Birmingham, AL. Meeting information will be available at http://www.saasinc.org/
February 3, 2018 5 pm – 7 pm  
New Officer Orientation  
Hyatt Regency Hotel 3rd Boardroom 1

February 3, 2018 6 pm – 8 pm  
Quiz Bowl Orientation and Refreshments  
Hyatt Regency Hotel 3rd City Terrace 5

February 4, 2018 8:00 am – 2:00 pm  
SAEA Executive Council  
Hyatt Regency Hotel 3rd Boardroom 1

February 4, 2018 8:00 am – 4:00 pm  
Quiz Bowl Competition  
Hyatt Regency Hotel 3rd City Terrace 4, 5 and 6

February 4, 2018 8:00 am and 4:00 pm  
Quiz Bowl Break / Recruitment Fair  
Hyatt Regency Hotel 3rd Conference Center A

February 4, 2018 Noon – 4:00 pm  
Registration  
Hyatt Regency Hotel 3rd Skybridge

February 4, 2018 1:30 pm – 4:00 pm  
Pre-Conference Session  
Hyatt Regency Hotel 3rd River Terrace 3

February 5, 2018 7:00 am – 5:00 pm  
Registration  
Hyatt Regency Hotel 3rd Skybridge

February 5, 2018 8 am – 12:00 noon  
Quiz Bowl Competition  
Hyatt Regency Hotel 3rd City Terrace 4 and 5

February 5, 2018 8:00 am and 4:00 pm  
Quiz Bowl Break / Recruitment Fair  
Hyatt Regency Hotel 3rd Conference Center A

Session 1: Invited Session  
Agricultural Trade in an Era of Anti-Globalization.  
February 5, 2018 8:30 am – 10:00 am  
Hyatt Regency Hotel 3rd River Terrace 3
Organizer: Andrew Muhammad, USDA Economic Research Service
Moderator: Steven Zahniser, USDA Economic Research Service

Presentations:
Anti-Globalization and Agricultural Trade: Session Introduction and Overview
By Steven Zahniser, USDA Economic Research Service

Reversing KORUS: Assessing the Impact of the KORUS on the U.S. Beef Sector
By Andrew Muhammad, USDA Economic Research Service; Jada Thompson, University of Tennessee

A Dynamic Analysis of Trade Diversion and Creation under NAFTA
By Stephen Devadoss, Texas Tech University; Jeff Luckstead, University of Arkansas; Xin Zhao, University of Arkansas

The Impacts of Foreign Acquisitions on output and employment in the U.S. Agro-food Sector
By Ivan T. Kandilov, North Carolina State University; Kathryn Boys, North Carolina State University; Shawn Arita, USDA Economic Research Service; Chang Hong, USDA Economic Research Service; Andrew Muhammad, USDA Economic Research Service

The Road Not Taken: Assessing the Consequences of TPP Withdrawal for U.S. Dairy and Livestock Sectors
By Jason Grant, Virginia Tech; Everett Peterson, Virginia Tech; Sharon Sydow, USDA Office of the Chief Economist

Session 2: Selected Papers
Sustainable Farming Practices
February 5, 2018 8:30 am – 10:00 am
Hyatt Regency Hotel 3rd River Terrace 1

Session Chair: Deepthi Kolady, South Dakota State University

Tennessee Producer Willingness to Adopt Cover Crops and No-Till
By Kelsey Campbell, University of Tennessee; Knoxville Christopher Boyer, University of Tennessee; Christopher D. Clark, University of Tennessee; Dayton M. Lambert, University of Tennessee; Aaron Smith, University of Tennessee

Are the Adoption Decisions on Conservation Practices and Precision Technologies Related? An Analysis from South Dakota
By Allen Deutz, South Dakota State University; Deepthi Kolady, South Dakota State University

Feasibility of Using Cover Crop to Enhance Soil Organic Matter and Crop Yield in New Mexico
By Ram Acharya, New Mexico State University; Don Blayney, New Mexico State University; G.C. Apar, New Mexico State University; Rajan Ghimire, New Mexico State University

Adoption of Cover Crops in Soybean Production
By Seungyub Lee, University of Missouri; Laura McCann, University of Missouri

Session 3: Selected Papers
Rural Income and Poverty
February 5, 2018 8:30 am – 10:00 am
Hyatt Regency Hotel 3rd City Terrace 10

Session Chair: Derrick Robinson, University of California

Multidimensional Poverty Measurement of Farmers and Herdsmen in China
By Fan Yang, Louisiana State University; Krishna Paudel, Louisiana State University; Tianhui Zhuang, Sichuan Agricultural University; Kun Li, Chongqing University of Arts and Sciences

Analysis of the Impact of Migration and Remittances on Income Diversification in Rural Africa: A Case Study of Kenya
By Sam Kaninda Tshikala, Universite Pedagogique Nationale; Esendugue Fonsah, University of Georgia

Long Run Impact of Rural Household Income on Family Living Expenses
By Kayode Ajewole, Kansas State University; Terry Griffin, Kansas State University

The Effects of GDP Growth on Poverty: Are Effects Equitable Across Urban and Rural Communities
By Derrick Robinson, University of California, Division of Agriculture and Natural Resources; Christopher Johnson, University of North Florida
Session Chair: Ryan Williams, Texas Tech University

Understanding Consumer Responses to GMO Information
By Xiaotong Yuan, Texas A&M University; Yu Zhang, Texas A&M University; Marco Palma, Texas A&M University; Luis Ribera, Texas A&M University

Consumer Willingness-to-Pay for Blemished Fresh Produce and Its Implications for Food Waste
By Chloe Henson, Mississippi State University; Alba Collart, Mississippi State University; Matthew Interis, Mississippi State University; Joshua Maples, Mississippi State University

Making Green Look Good – How Information Nudges Influence Residential Electricity Plan Choice
By Eric Cardella, Texas Tech University; Bradley Ewing, Texas Tech University; Ryan Williams, Texas Tech University

Willingness to Pay for Lead-Exposure Risk in Water Quality: Is There Information Asymmetries?
By Willie Bedell, University of Kentucky

Session Chair: Wenjue Zhu, Louisiana State University

Farmland Lease, High-Rent Threat, and Contract Instability: Evidence from China
By Wenjue Zhu, Louisiana State University; South China Agricultural University; Biliang Luo, South China Agricultural University; Krishna Paudel, Louisiana State University

Gender Wage Gap in Small Islands: the Case of Mauritius
By Roshini Brizmohun, Auburn University

Session Chair: Lianqun Sun, Texas Tech University

Changing Consumer Willingness to Pay: An Evaluation of Factors Impacting Floridians’ Desire to Preserve Water Resources
By Brandon Mckee, University of Florida; Alexa Lamm, University of Florida; Brandon McFadden, University of Florida

Economic Valuation of Groundwater Resource from the Southern Portion of the Ogallala Aquifer
By K. V. Nirodha De Silva, Texas Tech University; Donna Mitchell; Texas Tech University; Lianqun Sun, Texas Tech University; Ryan Williams, Texas Tech University

Monetary Incentives and Eco-friendly Residential Landscape Preferences for Florida Friendly Landscaping
By Xumin Zhang, University of Florida; Hayk Khachatryan, University of Florida

Students Perceptions and Willingness to Pay for Improved Water Utilization in Ethiopian Universities: The Case of Addis Ababa University Main Campus
By Aga Neme Doba, Addis Ababa University

Session Chair: Mohit Anand, Auburn University

Adopting Bio-Energy Crops: Does Farmers’ Attitude toward Loss Matter?
By Mohit Anand, Auburn University; Ruiqing Miao, Auburn University; Madhu Khanna, University of Illinois

More Emotional – Better Predictable: The Importance of Emotion in Consumer Decisions
By Samir Huseynov, Texas A&M University; Marco Palma, Texas A&M University

Session Chair: Mohit Anand, Auburn University

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AGRICULTURAL ECONOMICS

By Bachir Kassas, Texas A&M University; Marco Palma, Texas A&M University; Charles Hall, Texas A&M University

Changing Realism in Discrete Choice Experiments
By Daniel Chavez, Texas A&M University; Marco Palma, Texas A&M University; Rodolfo M. Nayga, University of Arkansas

The Effect of Cognitive Function on Food Addiction
By Michelle Segovia, Texas A&M University; Marco Palma, Texas A&M University; Rodolfo M. Nayga, University of Arkansas

Mitigating Hypothetical Bias: An Application to Willingness to Pay for Beach Conditions Information
By Daniel Petrolia, Mississippi State University; Ruth Quainoo, Mississippi State University

Comparing Hypothetical Bias Mitigation Techniques in the Context of a Recycling Program
By Jerrod Penn, University of Kentucky; Wuyang Hu, University of Kentucky

Session 8: Organized Symposium
2018 Southern Crops Economic Outlook
February 5, 2018 10:00 am – 11:45 am
Hyatt Regency Hotel 3rd River Terrace 3

Organizer: Todd Davis, University of Kentucky
Moderator: Nathan Smith, Clemson University
Presentations: Outlook for Corn and Wheat, Brian Williams, Mississippi State University Soybean Outlook, Todd Davis, University of Kentucky Cotton Outlook, Aaron Smith, University of Tennessee Specialty Crops Outlook, Ben Campbell, University of Georgia

Session 9: Selected Papers
Risk Management and Insurance
February 5, 2018 10:00 am – 11:45 am
Hyatt Regency Hotel 3rd City Terrace 10

Session Chair: Zachary Moore, University of Louisiana at Monroe

AGRICULTURAL ECONOMICS

The Design of the Rainfall Index Annual Forage Pilot Program
By Abby Biedenbach, Oklahoma State University; Wade Borsen, Oklahoma State University; Jon Biemacher, The Samuel Roberts Noble Foundation, Inc; James Rogers, The Samuel Roberts Noble Foundation, Inc; David Marburger, Oklahoma State University

An Examination of Recency Bias Effects on Crop Insurance Purchases in the Mississippi Delta Region
By Zachary Moore, University of Louisiana at Monroe

Wildland Fire Management and Willingness to Participate in Collaborative Efforts
By Ibtisam Al Abri, University of Florida; Kelly Grogan, University of Florida

Compulsory versus Voluntary Insurance: A Real Experiment
By Peilu Zhang, Texas A&M University; Marco Palma, Texas A&M University

Session 10: Selected Papers
Economics of Land Use
February 5, 2018 10:00 am – 11:45 am
Hyatt Regency Hotel 3rd City Terrace 9

Session Chair: Denis Nadolnyak, Auburn University

Determinants of Participation and Intensity for Commercial-based Activities in Coastal Louisiana
By Hua Wang, Louisiana State University; Walter Keithly, Louisiana State University; Rex Caffey, Louisiana State University

Estimating Agricultural Acreage Responses to Input Prices: Groundwater in California
By Andrew Stevens, Mississippi State University

The Drivers of Land Use in the Southeast U.S.
By Chengyu Si, Auburn University; Denis Nadolnyak, Auburn University

Cropping Matrix as a Constraint to Land Application of Feedyard Manure in the Texas Panhandle
By Dave Link, West Texas A&M University; Lal Almas, West Texas A&M University; W. Colette, West Texas A&M University; David Lust, West Texas A&M University; Neil Meredith, West Texas A&M University; Marty Rhoades, West Texas A&M University
Session 11: Selected Papers
Economics of Water Conservation and Irrigation I
February 5, 2018 10:00 am – 11:45 am
Hyatt Regency Hotel 3rd City Terrace 6

Session Chair: Dependra Bhatta, Louisiana State University

Factors Influencing the Adoption of Irrigation Measurement Tools in the Arkansas Delta
By Kent Kovacs, University of Arkansas; Robert Rosene, University of Arkansas

Adoption Intensity of Water Conservation Technologies in Nepal
By Dependra Bhatta, Louisiana State University; Krishna Paudel, Louisiana State University

The Use of Irrigation Practices by Arkansas Producers, the Impacts and Influencing Factors
By Yefan Nian, University of Arkansas; Qiuqiong Huang, University of Arkansas; Kent Kovacs, University of Arkansas

Profitability and Economic Feasibility Analysis of Small Scale Irrigation Technologies in Northern Ghana
By Bedru Balana, International Water Management Institute

Session 12: Selected Papers
Rural Development: Health and Education Issues
February 5, 2018 10:00 am – 11:45 am
Hyatt Regency Hotel 3rd City Terrace 12

Session Chair: James Fannin, Louisiana State University Agricultural Center

What Drives the Distribution of Rural Doctors?
By Rebekka Dudensing, Texas A&M University

Does School Size Matter for Student Academic Achievement? A Two-stage Spatial Quantile Regression Approach
By Kwideok Han, Oklahoma State University; Brian Whitacre, Oklahoma State University

Factors Affecting Spatial Differences in Health Outcomes
By Kwadwo Poku-Agyemang, Louisiana State University Agricultural Center; James Fannin, Louisiana State University Agricultural Center

Analysis of the Paradox between Religiosity and Life Satisfaction of the Rural Elderly in China
By Liying Xia, Shanghai University of Finance and Economics

Session 13: Selected Papers
Economics of Forest Systems
February 5, 2018 10:00 am – 11:45 am
Hyatt Regency Hotel 3rd City Terrace 11

Session Chair: Sergio Alvarez, University of Florida

Marginal Cost of Carbon Abatement through Afforestation of Agricultural Land in the Mississippi Delta
By Karli Moore, University of Arkansas; Kent Kovacs, University of Arkansas

Economic Impacts of an Optimal Spatial Target of Forest Carbon Payments
By Moonwon Soh, University of Tennessee; Seong-Hoon Cho; University of Tennessee
T. Edward Yu, University of Tennessee; Christopher Boyer, University of Tennessee; Burton C. English, University of Tennessee

Impact of NREGS on Forest Cover
By Shourish Chakravarty, University of Florida; Conner Mullally, University of Florida

Heterogeneous Preferences for Urban Forest Attributes: A Latent Class Model Approach
By Sergio Alvarez, University of Florida; John Lai, University of Florida; Jose Soto, University of Florida; Damian Adams, University of Florida

Session 14: Lightning Round
Impacts of Shocks and Extreme Events
February 5, 2018 10:00 am – 11:45 am
Hyatt Regency Hotel 3rd River Terrace 1

Session Chair: Mumina Shibia, Texas Tech University

U.S. Beef Market and Climate Change
By Elham Darbandi, University of Kentucky; Sayed Saghaian, University of Kentucky

A Computable General Equilibrium Model for a Foot and Mouth Disease Outbreak Originating in the Midwest
By Mary Frances Miller, TAMUC; Lirong Liu, Texas A&M University – Commerce; Steven Shwiff, Texas A&M University – Commerce

An Empirical Evaluation of the Nature and Extent of Livestock Shocks for the Pastoral Households in Northern Kenya
By Mumina Shibia, Texas Tech University; Shaikh Mahfuz, Texas Tech University
AGRICULTURAL ECONOMICS

Estimating the Overall Economic Loss to the South Carolina Peach Industry due to the March 2017 Freeze
By Cody White, Clemson University; Nathan Smith, Clemson University; Michael Vassalos, Clemson University

Has the Weather Got You Down? The Impact of Temperature on Mental Health
By Mengyao Li, University of Georgia; Susana Ferreira, University of Georgia; Travis Smith, University of Georgia

February 5, 2018 12:00 noon – 1:15 pm
50th SAEA Annual Meetings Luncheon
Hyatt Regency Hotel 2nd Grand Ballroom Section 5

Welcome by Lisa House, SAEA President

Presidential Address
Deacue Fields

Session 15: Legends vs. Quiz Bowl Champs
February 5, 2018 1:30 pm – 3:00 pm
Hyatt Regency Hotel 3rd City Terrace 4

Session Chair: Sierra Howry, University of Wisconsin, River Falls

Session 16: Organized Symposium
2018 Southern Livestock Economic Outlook
February 5, 2018 1:30 pm – 3:00 pm
Hyatt Regency Hotel 3rd River Terrace 3

Organizer: Todd Davis, University of Kentucky
Moderator: Jordan Shockley, University of Kentucky
Presentations: Beef Cattle Outlook, Kenny Burdine, University of Kentucky
Pork and Poultry Outlook, Levi Russel, University of Georgia
Forage Outlook, Chris Prevatt, University of Florida
Dairy Outlook, Josh Maples, Mississippi State University

Session 17: Selected Papers
Economics of Water Conservation and Irrigation II
February 5, 2018 1:30 pm – 3:00 pm
Hyatt Regency Hotel 3rd Grand Ballroom Section 2

Session Chair: Anastasia Thayer, Texas A&M University

AGRICULTURAL ECONOMICS

Optimal Groundwater Management in Response to the Intensity of Lateral Flows
By Kent Kovacs, University of Arkansas; Alvaro Durand-Morat, University of Arkansas

Influence of Peer Networks on the Use of Surface Water Systems
By Kerr Adams, University of Arkansas; Kent Kovacs, University of Arkansas

Water Depletion, Climate Change, and the Texas High Plains: a Model on the Future of Irrigation Dependent Agriculture
By Anastasia Thayer, Texas A&M University; Bruce McCarl, Texas A&M University

A Meta-analysis of Water Conservation Policies in the Southern Ogallala Aquifer Region
By Yubing Fan, Texas A&M AgriLife Research; Seong Park, Texas A&M AgriLife Research

Session 18: Selected Papers
Energy Economics and the Environment
February 5, 2018 1:30 pm – 3:00 pm
Hyatt Regency Hotel 3rd City Terrace 8

Session Chair: Justin Benavidez, Texas A&M University

Quantile Regression Analysis of the Relationship between Carbon Dioxide Emissions, Energy Consumption, and Economic Growth
By Anthony Baffoe-Bonnie, University of Georgia

Futures Trading Strategies Based on Price Linkage among Corn, Crude Oil, Ethanol
By Jianguo Xu, Texas A&M University

Poo Power: Revisiting Energy Generation from Biogas on Dairies in Texas
By Justin Benavidez, Texas A&M University; Anastasia Thayer, Texas A&M University

Energy Consumption and Environmental Efficiency, an Application of Frontier Analysis
By Denis Nadolnyak, Auburn University; Meijuan Wang, Auburn University

Session 19: Selected Papers
Financial Risk Management
February 6, 2017 1:30 pm – 3:00 pm
Hyatt Regency Hotel 3rd River Terrace 1

Session Chair: John Riley, Oklahoma State University
AGRICALTURAL ECONOMICS

Dealing with Downside Risk in Energy Markets: Futures versus Exchange Traded Funds
By Panit Arunanondchai, Texas A&M University; Kunlapath Sukcharoen, West Texas A&M University; David Leatham, Texas A&M University

Deriving Theoretically Sound Price Series for Hypothetical Futures Contracts
By Robert Thompson, Mississippi State University; Ardian Harri, Mississippi State University; Joshua Maples, Mississippi State University; Eunchun Park, Mississippi State University

Serially Dependent Extreme Events in Agricultural Commodity Futures Markets
By Eunchun Park, Mississippi State University; Joshua Maples, Mississippi State University

Effective Utilization of U.S. Commodity Price Risk Management Tools by Corn Producers in Mexico
By David Cuautle-Parra, Oklahoma State University; John Riley, Oklahoma State University

Session 20: Selected Papers
Productivity Analysis and Emerging Technologies
February 5, 2018 1:30 pm – 3:00 pm
Hyatt Regency Hotel 3rd City Terrace 10

Session Chair: Pablo Garcia-Fuentes, Midwestern State University

An Assessment of the Effect of Oxen on Agricultural Productivity in Nicaragua
By Pablo Garcia-Fuentes, Midwestern State University; Yoshi Fukasawa, Midwestern State University; Edgar Martinez, Universidad Nacional Autonoma de Nicaragua-FAREM-Esteli; Conney Vargas, Midwestern State University; Rodrigo Mireles, Midwestern State University

Water Savings and Return on Investment of a New Drought Resistant Turfgrass
By Joshua Minor, University of Georgia; Benjamin Campbell, University of Georgia; Clint Waltz, University of Georgia; Joshua Berning, University of Georgia

Estimating Supply Elasticity Differences Between Raised Without Antibiotics and Conventional Broiler Production Methods
By Joanna Karavollas, University of Florida; Matthew Salois, Elanco Animal Health; Lisa House, University of Florida

Session 21: Selected Papers
Evaluating Teaching and Extension
February 5, 2018 1:30 pm – 3:00 pm
Hyatt Regency Hotel 3rd City Terrace 9

Session Chair: Misti Sharp, Colorado State University

Classroom Assessments to Examine Students’ Awareness of their Attitudes, Values and Reaction as Learners to Instruction
By Rachna Tewari, University of Tennessee; Joseph Mehlhorn, University of Tennessee; Kishor Luitel, Angelo State University; Bonnie Daniel, University of Tennessee

Nudging Students to an Authentic Learning Experience and Educational Outcomes
By Misti Sharp, Colorado State University

Developing a Holistic Assessment for LGU Economic Impact Studies: A Case Study
By Elli Travis, Virginia Tech; Albert Alwang, Virginia Tech; Jeremy Elliott-Engel, Virginia Tech

Is Dual Credit Always Dual, or Can It Be Detrimental? – An Examination of the Relationship between Rising Dual Credit Hours and Undergraduate Success in Agricultural Sciences.
By Mallory Vestal, West Texas A&M University; Nancy Garcia, West Texas A&M University; Bridget Guerrero, West Texas A&M University

Session 22: Selected Papers
International Trade and Policy
February 5, 2018 1:30 pm – 3:00 pm
Hyatt Regency Hotel 3rd City Terrace 6

Session Chair: Kelly Chege, North Carolina A&T State University

Tariff and U.S. Paper Products Trade
By Daowei Zhang, Auburn University; Ly Nguyen, Auburn University

Impact of Aid on Trade: An Assessment of the United States Economic Aid to Nigeria
By Oladipo Obembe, Kansas State University; Kayode Ajewole, Kansas State University
AGRICULTURAL ECONOMICS

The Lack of Dynamic Gains from Trade in Agriculture: Implications for Governing Agricultural Trade
By Wanki Moon, Southern Illinois University

Measuring Consumer and Producer Welfare due to MCOOL
By Osei Yeboah, North Carolina A&T State University; Cephas Naanwaab, North Carolina A&T State University; Kelly Chege, North Carolina A&T State University

Session 23: Selected Papers
Food Assistance Programs in the United States
February 5, 2018 1:30 pm – 3:00 pm
Hyatt Regency Hotel 3rd City Terrace 12

Session Chair: Grace Melo, University of Georgia

Impact of Federal Food Assistance Programs on Fruit and Vegetable Consumption
By Isaac Sitienei, Austin Peay State University; Madan Dey, Texas State University; Donald Sudbrink, Austin Peay State University

The Retailer Choice of SNAP and WIC Participants for Fill-In Purchases
By Grace Melo, University of Georgia; Adam Rabinowitz, University of Georgia; Yizao Liu, Pennsylvania State University; Shelly Ver Ploeg, ERS/USDA

The Interaction between the Supplemental Nutrition Assistance Program and Private Charities to Enhance Food Security in Low Income Families
By Anne Musa, Texas Tech University; Carlos Carpio, Texas Tech University; Ryan Williams, Texas Tech University; Tullaya Boonsaeng, Texas Tech University; Conrad Lyford, Texas Tech University

Infant Feeding Practices: The Impact of WIC Policy Changes on Rural and Urban Participants
By Hongyang Di, Texas A&M University; Ariun Ishdorj, Texas A&M University; E. Lisako J. McKyer, Texas A&M University

Session 24: Selected Papers
Production Systems and Precision Agriculture
February 5, 2018 1:30 pm – 3:00 pm
Hyatt Regency Hotel 3rd City Terrace 11

Session Chair: Yacob Zereyesus, Kansas State University

AGRICULTURAL ECONOMICS

Productivity and Profitability of Precision Agriculture Technologies in Peanut Farms
By Monica Saavoss, USDA

Estimating the Productivity of Wheat Production: An Implication of Stochastic Frontier Production Function Model
By Mahla Zare Mehrjerdi, University of Kentucky; Tyler Mark, University of Kentucky

A Comparison of Yield Variability at the Farm, County, and Crop Reporting District Level
By Gregory I bendahl, Kansas State University; Terry Griffin, Kansas State University

Improved Seeds, Gender Differences and Agricultural Productivity in Northern Ghana
By Vincent Amanor-Boadu, Kansas State University; Elizabeth Gutierrez, Kansas State University; Kara Ros, Kansas State University; Yacob Zereyesus, Kansas State University

Session 25: Lightning Round
Immigration & Agricultural Labor Markets
February 5, 2018 1:30 pm – 3:00 pm
Hyatt Regency Hotel 3rd City Terrace 5

Session Chair: Chellie Hogan, Mississippi State University

Impact of International Remittances on Out-farm Labor Migration in Developing Countries: A Dynamic Panel Data Analysis
By Ayuba Seidu, California State University; Gulcan Onel, University of Florida; Charles Moss, University of Florida

Impact of Medicaid Expansion on the Labor Supply Decisions of Farm Workers
By Tianyuan Luo, University of Georgia

Evaluating the Effects of Legalization on Farmworker Wages
By Chellie Hogan, Mississippi State University; Lurleen Walters, Mississippi State University; Brian Williams, Mississippi State University

H-2A Guest-workers Program: Adoption and Usage by Southeastern Growers
By Skyler Simnitt, University of Florida; Derek Farnsworth, University of Florida; Gulcan Onel, University of Florida; Fritz Roka, University of Florida

Job Satisfaction of Seasonal Migrant Workers and their Willingness to Stay in Farm Work
By Berdikul Qushim, University of Florida; Zhengfei Guan, University of Florida; Feng Wu, University of Florida
Does Relative Deprivation Induce Migration?
Evidence from Sub-Saharan Africa
By Kashi Kafle, International Fund for Agricultural Development

February 5, 2018 3:00 pm – 3:30 pm
BREAK: Hyatt Regency 3rd Conference Center Room A

Session 26: Selected Papers
Production Systems and Crop Rotation
February 5, 2018 3:30 pm – 5:00 pm
Hyatt Regency Hotel 3rd River Terrace 2

Session Chair: Jon Biermacher, The Samuel Roberts Noble Foundation, Inc.

Economic Assessment of Perennial Summer Dormant Tall Fescue and Annual Wheat Forage Grazing Systems in the Southern Great Plains
By Narayan Nyaupane, Noble Research Institute; Jon Biermacher, The Samuel Roberts Noble Foundation, Inc.; Jimmy Stein, Noble Research Institute; Mike Trammell, Noble Research Institute; Evan Whitley, Noble Research Institute; Twain Butler, Noble Research Institute; Sindy Interrante, Noble Research Institute

Adoption of Irrigation and No-till Cropping Systems under Climate Change
By Lixia Lambert, University of Tennessee; Burton C. English, University of Tennessee; Christopher Boyer, University of Tennessee; Aaron Smith, University of Tennessee; Thanos Papanicolaou, University of Tennessee; Chad Hellwinckel, University of Tennessee; Christopher Clark, University of Tennessee; Dayton M. Lambert, University of Tennessee

Farmers' Adoption of Conservation Strategies for Nutrient Management and Water Quality Protection in Louisiana
By Naveen Adusumilli, Louisiana State University; Hua Wang, Louisiana State University

Efficiency Implications of the Use of Improved Variety Seeds in Resource Poor Households
By Yacob Zereyesus, Kansas State University; Ralph Armah, Kansas State University; Kara Ross, Kansas State University; Frank Nti, Kansas State University; Vincent Amanor-Boadu, Kansas State University

Session 27: Organized Symposium
Agricultural Guest Workers - Growth and Future Considerations
February 5, 2018 3:30 pm – 5:00 pm
Hyatt Regency Hotel 3rd River Terrace 1

Organizer and Moderator: Fritz Roka; University of Florida

Panelists:
Fritz Roka, University of Florida
Derek Farnsworth, University of Florida
Zhengfei Guan, University of Florida
Thomas Hertz, USDA
Travis Minor, USDA
Gulcan Onel, University of Florida

Session 28: Selected Papers
Policy Design for Water Allocation and Quality
February 5, 2018 3:30 pm – 5:00 pm
Hyatt Regency Hotel 3rd City Terrace 11

Session Chair: David Willis, Clemson University

Clarence Cannon Conundrum: We Built It, Will they Still Come?
By Yapo N'Guessan, Jean Lorougnon Guede University; Sreedhar Upendram, University of Tennessee

Optimal Management of a Climate Stressed Himalayan River Basin in Nepal
By Ram Acharya, New Mexico State University; Apar G. C., New Mexico State University; Frank Ward, New Mexico State University

Economic Benefits of Implementing a Tradeable Permit System in a Rapidly Growing Urban Watershed to Achieve Regional Water Quality Standards
By David Willis, Clemson University

Towards a Market Solution to Water Shortage: The Case of Lower Rio Grande Valley
By Nishita Sinha, Texas A&M University; Ronald Lacewell, Texas A&M AgriLife; Luis Ribera, Texas A&M University; Guy Fipps, Texas A&M University

Session 29: Selected Papers
Livestock Economics and Management I
February 5, 2018 3:30 pm – 5:00 pm
Hyatt Regency Hotel 3rd City Terrace 9

Session Chair: Michael Popp, University of Arkansas


Has the Value of Information about Performance-tested Bulls Changed Over Time?
By Christopher Boyer, University of Tennessee; Kelsey Campbell, University of Tennessee; Karen DeLong, University of Tennessee; Andrew Griffith, University of Tennessee

Evaluating the Profitability and Environmental Impacts of Poultry Litter Sub-surfer Technology
By Shelby Wade, University of Kentucky; Jordan Shockley, University of Kentucky; Carl Dillon, University of Kentucky; Josh McGrath, University of Kentucky

Herd Size Management using Cattle Cycle Price Signals and Weather Uncertainty
By Colson Tester, University of Arkansas; Michael Popp, University of Arkansas; Lawton Nalley, University of Arkansas; Nathan Kemper, University of Arkansas

Producers Valuation of Feeder Cattle Characteristics
By Samuel Zapata, Texas A&M University; Levi Russell, University of Georgia; David Anderson, Texas A&M University

Analyzing Proposed Dairy Margin Protection Program Enhancements
By Brian Herbst, Texas A&M University; George Knaepk, Texas A&M University; David Anderson, Texas A&M University; Joe Outlaw, Texas A&M University; James Richardson, Texas A&M University

Impact of Reviews on Price: Evidence from Sentiment Analysis of Airbnb Reviews in Boston
By Abdelaziz Lawani, University of Kentucky

The Great Bee Migration: Spatial and Temporal Variation in Honey Bee Colony Shipments into California for Almond Pollination
By Brittney Goodrich, Auburn University; Jeffrey Williams, University of California Davis; Rachael Goodhue, University of California, Davis

Complex Interactions and Strategic Pricing of Brand-Level Nut Products in the United States: A Graph Theoretic Approach
By Guo Cheng, Texas A&M University; Senarath Dharmasena, Texas A&M University

Supply Chain Analysis of Applying Spent Microbial Biomass from Bioprocessing Plants as Soil Amendment
By Lixia Lambert, University of Tennessee; Oleg Shylo, University of Tennessee; Neal Eash, University of Tennessee; Burton C. English, University of Tennessee; James Zahn, Dupont Tate & Lyle

Factors Affecting Broiler Livability: Implications for Animal Welfare & Food Policy
By Matthew Salois, Elanco Animal Health; Kristi Baker, Elanco Animal Health

Producer Perceptions of Regulatory Compliance in the Northeastern U.S.
By Brady Brewer, University of Georgia; Benjamin Campbell, University of Georgia; Adam Rabinowitz, University of Georgia; Levi Russell, University of Georgia

Understanding the Issues Farmers face in Adopting Organic Practices in Tennessee
By Kumuditha Liyanage, Tennessee State University; Hiren Bhavsar, Tennessee State University

Session 30: Selected Papers
Food and Agricultural Policy
February 5, 2018 3:30 pm – 5:00 pm
Hyatt Regency Hotel 3rd City Terrace 6

Session Chair: Matthew Salois, Elanco Animal Health

The Influence of Agricultural Infrastructure on Land Titling Policy in China
By Biliang Luo, South China Agricultural University; Wenjue Zhu, Louisiana State University and South China Agricultural University; Krishna Paudel, Louisiana State University; Kai Liu, South China Agricultural University and Louisiana State University

Understanding the Issues Farmers face in Adopting Organic Practices in Tennessee
By Kumuditha Liyanage, Tennessee State University; Hiren Bhavsar, Tennessee State University

Session 31: Selected Papers
Industrial Organization and Supply Chain Management
February 5, 2018 3:30 pm – 5:00 pm
Hyatt Regency Hotel 3rd City Terrace 10

Session Chair: Lixia Lambert, University of Tennessee

Impact of Reviews on Price: Evidence from Sentiment Analysis of Airbnb Reviews in Boston
By Abdelaziz Lawani, University of Kentucky

The Great Bee Migration: Spatial and Temporal Variation in Honey Bee Colony Shipments into California for Almond Pollination
By Brittney Goodrich, Auburn University; Jeffrey Williams, University of California Davis; Rachael Goodhue, University of California, Davis

Complex Interactions and Strategic Pricing of Brand-Level Nut Products in the United States: A Graph Theoretic Approach
By Guo Cheng, Texas A&M University; Senarath Dharmasena, Texas A&M University

Supply Chain Analysis of Applying Spent Microbial Biomass from Bioprocessing Plants as Soil Amendment
By Lixia Lambert, University of Tennessee; Oleg Shylo, University of Tennessee; Neal Eash, University of Tennessee; Burton C. English, University of Tennessee; James Zahn, Dupont Tate & Lyle

Session 32: Selected Papers
Organic Farm Production
February 5, 2018 3:30 pm – 5:00 pm
Hyatt Regency Hotel 3rd City Terrace 12

Session Chair: Hiren Bhavsar, Tennessee State University

Understanding the Issues Farmers face in Adopting Organic Practices in Tennessee
By Kumuditha Liyanage, Tennessee State University; Hiren Bhavsar, Tennessee State University
AGRICULTURAL ECONOMICS

Farm Management Implications of Transitioning from Conventional to Organic Production: An Application of Whole-farm Linear Programming Model to Examine Transition Period
By Emily Carls, Kansas State University; Terry Griffin, Kansas State University; Gregory Ibendahl, Kansas State University

Economic Risk Analysis of Rice Cultivars under Organic and Conventional Management
By Bradley Watkins, University of Arkansas; Anna McClung, USDA Agricultural Research Service; Ranjitsinh Mane, University of Arkansas

Organic U.S. Corn Farms: Can They Compete with Conventional Corn Farms?
By Richard Nehring, USDA Economic Research Service; Flavius Badu, USDA Economic Research Service

Session 33: Lightning Round
Price Analysis: Agricultural and Energy Markets
February 5, 2018 3:30 pm – 5:00 pm
Hyatt Regency Hotel 3rd River Terrace 3

Session Chair: Maria Bampasidou, Louisiana State University

An Analysis of Milk Pricing in the Eastern United States
By Yuliya Bolotova, Clemson University

Predicting Lumber Prices and Buying Decisions: Would you like to Play a Game?
By Thanos Gentimis, Louisiana State University; Maria Bampasidou, Louisiana State University; Shaun Tanger, Louisiana State University

Peanut Prices and Stocks-to-Use: Not your Typical Economic Relationship
By Festus Attah, University of Georgia; Adam Rabinowitz, University of Georgia

An Examination of Price Transmission in the U.S. Peanut Butter Industry
By Yizao Liu, The Pennsylvania State University; Adam Rabinowitz, University of Georgia

Vertical and Spatial Price Transmission in the Presence of Floor Prices
By Zhengfei Guan, University of Florida; Feng Wu, University of Florida

Market Power in the Dairy Alternative Beverage Industry in the United States
By Tingyi Yang, Texas A&M University; Senarath Dharmasena, Texas A&M University

AGRICULTURAL ECONOMICS

Lexington Gasoline Price Responses
By Jessie Stewart III, University of Kentucky; Sayed H. Saghaian, University of Kentucky

Session 34: Selected Papers
Value Added and Enterprise Diversification
February 5, 2018 3:30 pm – 5:00 pm
Hyatt Regency Hotel 3rd City Terrace 5

Session Chair: Benjamin Campbell, University of Georgia

Assessing Consumer Demand for Georgia Lavender-Based Products
By Joshua Buttshaw, University of Georgia; Joshua Berning, University of Georgia; Benjamin Campbell, University of Georgia

Non-Farm Work and Food Security among Farm Households in Nigeria
By Olumide Aborisade, Texas Tech University; Carlos Carpio, Texas Tech University

Determinants of Food Corn Contract Volumes
By Ben Martin, University of Kentucky; Tyler Mark, University of Kentucky; Todd Davis, University of Kentucky

Farm Direct Marketing, Enterprise Diversification and Business Performance
By Bryan Wilson, North Carolina A&T State University; Godfrey Ejimakor, North Carolina A&T State University; Uchenna Okefi, North Carolina A&T State University; Oluyemi Olatunji, North Carolina A&T State University

Session 35: Lightning Round
Food and Health Programs and Nutrition
February 5, 2018 3:30 pm – 5:00 pm
Hyatt Regency Hotel 3rd City Terrace 4

Session Chair: Rachna Tewari, University of Tennessee

Impact of Community-Based Health Insurance Scheme on the Nutrition of Low-Income Households in Nigeria
By Raphael Babatunde, University of Ilorin, Nigeria

Evaluating Farmers’ Market Nutrition Programs (FMNP): Perceptions of vendors and recipients in west Tennessee and Puerto Rico
By Rachna Tewari, University of Tennessee; Carmen Alamo, University of Puerto Rico; Franklin Martinez, University of Puerto Rico; April Jones, University of Tennessee
Agricultural Economics

Effects of Dietary Education on Food Consumption
By Kwanghun Yeon, Korea University; Doo Bong Han, Korea University

Willingness of Rural and Peri-urban Women Smallholder Farmers to Participate in Home-grown School Feeding Farming Contracts
By Georgette Owusu-Amankwah, University of Kentucky; Yoko Kusunose, University of Kentucky; Janet Mullins, University of Kentucky

Examining the Changing Role of Risky Behaviors in the Association between Food Insecurity and Obesity
By Saad Khan, Southern Illinois University

Evaluating the Effectiveness of Food Assistance Programs Using Propensity Score Matching Analysis: A Case Study for South Korea
By Booyoung Kim, Korea Rural Economic Institute; Sanghoy Kim, Korea Rural Economic Institute

Session 36: Selected Papers
Income and Institutions in Developing Countries
February 5, 2018 3:30 pm – 5:00 pm
Hyatt Regency Hotel 3rd City Terrace 8

Session Chair: Mehtabul Azam, Oklahoma State University

Nexus between Income Distribution, Consumption Expenditure and Agriculture Output: The Case of Nigeria
By Irfan Ahmed, Preston University Islamabad

Household Income Mobility in India, 1993-2011
By Mehtabul Azam, Oklahoma State University

Enhancing Quality of Life through Foreign Direct Investment in Northern Mozambique
By Sarah-Beth DeLay, University of Arkansas; Lawton Nalley, University of Arkansas; Bruce Dixon, University of Arkansas; Amy Farmer, University of Arkansas

Is the Devil in the Shadow? An Analysis of the Direct and Indirect Effects of Institutions on Income
By Jamie Bologna Pavlik, Texas Tech University; Ryan Williams, Texas Tech University

Session 37
SAEA Lifetime Achievement Awards Breakfast
February 6, 2018 8:00 am – 10:00 am
Hyatt Regency Hotel 3rd River Terrace 1

SAEA recognizes significant and enduring contributions in scholarship or public service to Southern agricultural economics. This award recognizes individual distinguished contributions to the profession over a career. The award winners for 2017 will be recognized at this session and each award recipient will make a short presentation on the highlights of their career and their perspectives on agricultural economics as a professional home.

Session Chair: Jeffrey Gillespie, USDA, Economic Research Service

Presentors: Wade Brorsen, Oklahoma State University
Kim Jensen, University of Tennessee
Darrell Bosch, Virginia Tech

Session 38
Emerging Scholars
February 6, 2018 10:30 am – 12:00 noon
Hyatt Regency Hotel 3rd City Terrace 8

Session Chair: Deacue Fields, SAEA President-Elect, Auburn University.

Consumer Demand for Genetically Engineered Animal Products: Experimental Evidence from Consumers in the United States, Italy and China.
David Ortega, Michigan State University

Why Irrigation Efficiency Matters in a State that had Record Floods.
Naveen Adusumilli, Louisiana State University

Price Sensitivity and Food Choices of Household Primary Food Shoppers by Body Weight Status in the United States.
Abigail Okrent, Economic Research Service
Session 39: Selected Papers
Food Security
February 6, 2018 10:30 am – 12:00 noon
Hyatt Regency Hotel 3rd City Terrace 5

Session Chair: Sunjin Ahn, Oklahoma State University

Measure Food Security Rate Using Internet Survey
By Sunjin Ahn, Oklahoma State University; Bailey Norwood, Oklahoma State University

Evaluating Food Waste Reduction Policies
By Ji Yong Lee, University of Arkansas; Boram Im, Korea University; Kwanghun Yeon, Korea University; Doo Bong Han, Korea University

Food Insecurity, Poverty, Unemployment and Obesity in the United States: Effect of (Not) Considering Back-Door Paths in Policy Modeling
By Senarath Dharmasena, Texas A&M University; David Bessler, Texas A&M University

Determinants of Food Security among Smallholder Farmers in Kenya
By Patrick Rono, Texas Tech University; Shaikh Mahfuz, Texas Tech University

Session 40: Selected Papers
International Food and Agricultural Policy
February 6, 2018 10:30 am – 12:00 noon
Hyatt Regency Hotel 3rd City Terrace 10

Session Chair: Jean Claude Bizimana, Texas A&M University

Impact of ECOWAS Common External Tariffs on Food Security and Nutrition in West Africa
By Alvaro Durand-Morat, University of Arkansas; Ndiaye Mandiaye, Global Services TIC; Eric Wailes, University of Arkansas; Eddie Chavez, University of Arkansas

Agricultural Technology Assessment for Smallholder Farms in Developing Countries: Case Study of Robit kebele in Amhara region – Ethiopia
By Jean Claude Bizimana, Texas A&M University

Feasibility and Impact of Rice Self-Sufficiency Strategies in East Africa
By Florence Muthee, University of Arkansas; Eric Wailes, University of Arkansas; Alvaro Durand-Morat, University of Arkansas; Eddie Chavez, University of Arkansas

Session 41: Selected Papers
Demand and Price Analysis: Grain and Grain Products
February 6, 2018 10:30 am – 12:00 noon
Hyatt Regency Hotel 3rd City Terrace 9

Session Chair: Krishna Paudel, Louisiana State University

The Effects of Quinoa’s Price Changes in the Welfare of Bolivian Households
By Ximena Paz, Texas Tech University; Carlos Carpio, Texas Tech University; Jaime Malaga, Texas Tech University; Chenggang Wang, Texas Tech University

Identifying Factors Impacting Households’ Demand for Organic and Conventional Flour in the United States
By Rafael Bakhtavoryan, Texas A&M University; Armine Poghosyan, Texas A&M University

Rice Production Self-Sufficiency in Bangladesh: Role of Technology, Plot, and Farmer
By Mohammad Hasan, Louisiana State University; Krishna Paudel, Louisiana State University; Humnath Bhandari, International Rice Research Institute; Maria Bampasidou, Louisiana State University

Hedonic Hierarchical Clustering of Cash Prices for Corn and Soybeans
By Clinton Neill, Virginia Tech University

Session 42: Lightning Round
Efficiency, Value and Performance of Agribusiness Firms
February 6, 2018 10:30 am – 12:00 noon
Hyatt Regency Hotel 3rd City Terrace 12

Session Chair: Krishna Pokharel, USDA

Estimating Economic Efficiency under Risk for Agricultural Cooperatives
By Krishna Pokharel, USDA; Allen Featherstone, Kansas State University; David Archer, USDA Agricultural Research Service Northern Great Plains

Factors Influencing Value of Agribusiness Firms Marketing Animal Proteins
By Victoria Campbell, University of Tennessee; Jada Thompson, University of Tennessee
Evaluating Agricultural Co-operative Performance after Trade Liberalization  
By Max Ruenzel, Korea University; Doo Bong Han, Korea University  

Nowcasting Food Stock Market with Web Search Queries: Implications for Food Safety  
By Mahdi Asgari, University of Kentucky; Mehdi Nemati, University of Kentucky  

The Financial Performance of U.S. Sugar Consumer Agribusinesses  
By Vasileios Siokos, University of Tennessee; Carlos J. Trejo-Pech, University of Tennessee; Karen DeLong, University of Tennessee; Christopher Boyer, University of Tennessee; Dayton M. Lambert, University of Tennessee; Christopher D. Clark, University of Tennessee  

Exploring Financial Stress in Oklahoma Agriculture  
By Damona Doye, Oklahoma State University; Rodney Jones, Oklahoma State University; John Riley, Oklahoma State University; Joseph Stefenoni, Oklahoma State University  

Moving Beyond the One-Dimensional Conceptualization of Governance in U.S. Farmer Cooperatives: A Statistical Analysis of Member, Director, and Manager Constructs  
By Jasper Grashuis, University of Missouri; Michael Cook, University of Missouri  

Session 43: Selected Papers  
New and Trendy Agricultural Products and Services  
February 6, 2018 10:30 am – 12:00 noon  
Hyatt Regency Hotel 3rd River Terrace 3  

Session Chair: Wojciech Florkowski, University of Georgia  

The Most Important Food Labels among Online Shoppers when Shopping for Fresh Produce  
By Jean Dominique Gumirakiza, Western Kentucky University; Sarah VanZee, Western Kentucky University  

Meal Delivery Services: Perception of Service Quality and Delivery Speed among Chinese Consumers  
By Weijun Liu, Shanghai Ocean University; Wojciech Florkowski, University of Georgia  

Session 44: Organized Symposium  
Southern Risk Management Education Center Outstanding Outreach Projects  
February 6, 2018 1:30 pm – 3:00 pm  
Hyatt Regency Hotel 3rd River Terrace 3  

Organizer and Moderator: Ronald Lee Rainey, University of Arkansas, Southern Risk Management Education Center  

Thresholds for Treating the Sugarcane Aphid on Sorghum – An Excel Tool directed by Texas A&M AgriLife Research and Extension Center  
Levi Russell, University of Georgia  

Developing Marketing Plans and Strategies for Historically Underserved Producers in Mississippi StrikeForce Counties directed by National Crop Insurance Services  
Laurence Crane, National Crop Insurance Services  

Southern Agricultural Lease Education Program directed by Texas A&M AgriLife Research and Extension Center  
Tiffany Dowell Lashmet, Texas A&M AgriLife Extension Service  

Session 45: Lightning Round  
Economics of Farm Management  
February 6, 2018 1:30 pm – 3:00 pm  
Hyatt Regency Hotel 3rd City Terrace 5  

Session Chair: Derek Farnsworth, University of Florida  

Optimal Nitrogen/Water use in the Southern Sub-region of the Southern Ogallala Aquifer  
By Rebecca McCullough, Texas Tech University; Donna Mitchell, Texas Tech University; Bill Golden, Kansas State University; Bridget Guerrero, West Texas A&M University
AGRICULTURAL ECONOMICS

Findings from Twenty-One Years of Working with Custom Harvesters
By Craig Smith, Fort Hays State University; Kevin Dhuyvetter, Elanco; Terry Kastens, Kastens Inc.

Economics of the Greenseeder Hand Planter
By Wade Brosen, Oklahoma State University; Francis Epplin, Oklahoma State University; John N. Ng'ombe, Oklahoma State University

Economic Threshold of Wheat Streak Mosaic Infection Severity in the Texas High Plains
By Brian Mulenga, Oklahoma State University; Wade Brosen, Oklahoma State University; Francis Epplin, Oklahoma State University; Charles Rush, Texas A&M University; Fekede Workneh, Texas A&M University

Forecasting Florida Citrus Production with a Structural Model of Citrus Supply
By Derek Farnsworth, University of Florida

Decision Support for Economic and Environmental Impact of Tractor Guidance on Small Crop and Livestock Farms
By Karen Lindsay, University of Arkansas; Michael Popp, University of Arkansas; Phillip Owens, USDA Agricultural Research Service; Dale Bumpers, Small Farms Research Center; Amanda Ashworth; USDA Agricultural Research Service Poultry Production and Product Safety Research Unit

Investigation of Farm Management Practices Among Small and Medium Size Farms in Kentucky
By Audrey Barnett; Jean Dominique Gumirakiza; Western Kentucky University

Session 46: Lightning Round
Crop Insurance and Farm Management
February 6, 2018 1:30 pm – 3:00 pm
Hyatt Regency Hotel 3rd City Terrace 8

Session Chair: Christopher Boyer, University of Tennessee

Measuring Moral Hazard in the Prevented Planting Provision Using Agronomic Data
By Christopher Boyer, University of Tennessee; Aaron Smith, University of Tennessee

Production and Moral Hazard Effects of 2014 Cotton Farm Bill Policies
By Stephen Devadoss, Texas Tech University; Jeff Luckstead, University of Arkansas

Stochastic Analysis of County and Multi County Yields for Agriculture Risk Coverage (ARC) Payments for Arkansas Row Crop Producers
By Ranjitsinh Mane, University of Arkansas; Bradley Watkins, University of Arkansas

Risk Efficient Pre-Harvest Risk Management Strategies for Western Kentucky Corn, Soybean and Wheat Farms
By Todd Davis, University of Kentucky

What is the Impact on Average Return and Risk from Possible Changes in the Crop Insurance Program?
By Jerzy Jaromczyk, University of Kentucky; Todd Davis, University of Kentucky; Tyler Mark, University of Kentucky

Potential Crop Rotation and Insurance Adoption Response to Changes in the Federal Crop Insurance Program
By Jerzy Jaromczyk, University of Kentucky; Tyler Mark, University of Kentucky; Todd Davis, University of Kentucky

Should Brazilian Soybean Producer use Revenue Insurance? A Case Study.
By Yuri Calil, Texas A&M University; James Richardson, Texas A&M University; Luis Ribera, Texas A&M University

Session 47: Lightning Round
International Production Economics
February 6, 2018 1:30 pm – 3:00 pm
Hyatt Regency Hotel 3rd City Terrace 4

Session Chair: Lal Almas, West Texas A&M University

Production Efficiency Analysis between Transplanting and Direct Seeded Rice Producers in Punjab, Pakistan
By Hina Fatima, Fatima Jinnah Women University; Sania Shaheen, International Islamic University; Lal Almas, West Texas A&M University; Sehrish Haroon, Fatima Jinnah Women University; Mallory Vestal, West Texas A&M University

We See Thee Rise: Quantifying Farm Size Expansion in Canada
By Wenbiao Cai, University of Winnipeg

Agricultural productivity in Latin America and the Caribbean: An Analysis of Climatic Effects, Catch-up, Convergence, and Forecasted Trends
By Michée Lachaud, Florida A&M University
AGRICULTURAL ECONOMICS

Impact of Irrigation Technology Adoption on Smallholder Agricultural Productivity in Kenya
By Carlos Carpio, Texas Tech University; Anthony Macharia, Texas Tech University

Climate Smart Agriculture and Farm Efficiency in Northern Ghana
By Agness Mzyece, Kansas State University

Cost of Production and Competitiveness for Production of Milk in Nepal
By Kehinde Ojo, University of Florida; John VanSickle, University of Florida

Session 48: Selected Papers
Demand and Price Analysis: Produce Markets
February 6, 2018 1:30 pm – 3:00 pm
Hyatt Regency Hotel 3rd River Terrace 2

Session Chair: Musa Jibrin, University of Maiduguri, Nigeria

Source-specific Demand Elasticities for Dates in International Trade
By Ali Dawood, Auburn University; Henry Kinnucan, Auburn University

Factors Influencing Prices at Tennessee Farmers’ Markets
By Sarah Bellingham, University of Tennessee; Margarita Velandia, University of Tennessee; Christopher Boyer, University of Tennessee; Chad Hellwinckel, University of Tennessee

Estimation of Multi-City Demand for Hass Avocados Using Panel Data
By Aramayis Dallakyan, Texas A&M University

Onion Price and Income Distribution in Niger Republic: A non-parametric Approach
By Musa Jibrin, University of Maiduguri, Nigeria

Session 49: Lightning Round
Local Foods
February 6, 2018 1:30 pm – 3:00 pm
Hyatt Regency Hotel 3rd City Terrace 6

Session Chair: Kimberly Jensen, University of Tennessee

Tennessee Beef Cattle Farmers Preferences Regarding Marketing Tennessee Branded Beef
By Kimberly Jensen, University of Tennessee; Andrew Griffith, University of Tennessee; Karen DeLong, University of Tennessee; Elizabeth McLeod, University of Tennessee

AGRICULTURAL ECONOMICS

Restaurants’ Willingness to Pay for Tennessee Certified Beef
By Lettie McKay, University of Tennessee; Karen DeLong, University of Tennessee; Kimberly Jensen, University of Tennessee; Andrew Griffith, University of Tennessee; Christopher Boyer, University of Tennessee

Factors Influencing Consumer Involvement in Community Supported Fishery Programs
By English Ratliff, Clemson University; Michael Vassalos, Clemson University; Wuyang Hu, University of Kentucky

What Prohibit CSA Membership Renewals? Identifying Barriers of CSA Participation
By Junhong Chen, University of Florida; Zhifeng Gao, University of Florida

Demand, Challenge and Marketing Strategies for Promoting Local Foods in Grocers: The Case of Fluid Milk
By Yizao Liu, Pennsylvania State University; Adam Rabinowitz, University of Georgia; Xuan Chen, Pennsylvania State University; Benjamin Campbell, University of Georgia

Consumer Choice of Locally Grown Produce in the Southeastern States
By Xuanli Liu, Fort Valley State University

An Assessment of Chef Purchases of Local Foods
By Oluwemiyi Olatunji, North Carolina A&T State University; Godfrey Ejimakor, North Carolina A&T State University; Bryan Wilson, North Carolina A&T State University; Uchenna Okefi, North Carolina A&T State University

Session 50: Organized Symposium
Preparing for the Job Market
February 6, 2018 1:30 pm – 3:00 pm
Hyatt Regency Hotel 3rd City Terrace 11

Organizer: Graduate Student Activities Committee
Panelists: To Be Announced

Session 51: Selected Papers
Recent Advances in Demand Modeling
February 6, 2018 1:30 pm – 3:00 pm
Hyatt Regency Hotel 3rd Daytona

Session Chair: Felipe Peguero, Louisiana State University
Distance Metric or Random Coefficients Logit? A Comparison of Product-level Demand Models Using Chinese Instant Noodle Scanner Data
By Yu Chen, University of Georgia; Chen Zhen, University of Georgia

Estimation of Brand Choice Using a Multivariate Poisson-Log Normal Incomplete Demand System
By Jiahui Ying, University of Georgia; J. S. Shonkwiler, University of Georgia

Addressing Pre-Commitment Bias with Generalized EASI Model: An Application to Food Demand in Russia
By Vardges Hovhannisyan, University of Wyoming; Aleksan Shanoyan, Kansas State University

A Generalized Dynamic NL-IADS model for highly perishable fruits & vegetables: An application to the bell pepper industry in the U.S.
By Felipe Peguero, Louisiana State University; P. Lynn Kennedy, Louisiana State University; Hector Zapata, Louisiana State University

Session 52: Selected Papers
Industry and Sector-wide Analysis
February 6, 2018 1:30 pm – 3:00 pm
Hyatt Regency Hotel 3rd City Terrace 10

Session Chair: Daniel Solis, Florida A&M University

Benefits of Public Breeding: More than Profits
By Aaron Shew, University of Arkansas; Lawton Nalley, University of Arkansas; Alvaro Durand-Morat, University of Arkansas

Did Capital Savings Run its Course in the Red Snapper IFQ Fishery? Lessons Learned after 10 Years
By Daniel Solis, Florida A&M University; Juan Agar, National Oceanic and Atmospheric Administration; Julio del Corral, Universidad de Castilla La Mancha

Indian Dairy Safety and Export
By Jianguo Xu, Texas A&M University

Entry and Exit from Farming: Insights from 5 Rounds of Agricultural Census Data
By Bretford Griffin, Auburn University; Valentina Hartarska, Auburn University; Denis Nadolnyak, Auburn University

Small U.S. Dairy Farms: Can They Remain Competitive?
By Richard Nehring, USDA Economic Research Service; Silke Huettel, University of Rostock; Jeffrey Gillespie, USDA Economic Research Service; Johannes Sauer, Technical University Munich; Kenneth Erickson, USDA Economic Research Service; Michael Harris, USDA Economic Research Service

Economic Evaluation of Integrating Legume and Beef Production on Low-Water-Input Systems
By Yi Chen, Texas Tech University; Donna Mitchell, Texas Tech University; Phillip Johnson, Texas Tech University; Lisa Baxter, Texas Tech University; Charles West, Texas Tech University

Factors Affecting Southeast Dairy Farmers’ Adoption of Management Intensive Grazing
By Mohammed Ibraheim, Fort Valley State University; Nalini Pattanaik, Fort Valley State University

Pecans and Cattle: Are They Mutually Beneficial?
By Myriah Johnson, Noble Research Institute; Barrett Moore, Louisiana Tech University; Charles Rohla, Noble Research Institute

Household Diet-related Practices and Food Frequencies in Forest Areas with Increasing Deforestation in Cameroon
By Mirabel Yulah, University of Yaounde II

Household Food Consumption and Demand for Nutrients in Sri Lanka
By Manori Nimanthika Lokuge Dona, Texas Tech University; Sanja Zivkovic, Texas Tech University; Kelly Lange, Texas Tech University; Benaissa Chidmi, Texas Tech University
Potential Economic and Food Security Impacts of Sustainable Intensification of Polder Agriculture in Coastal Bangladesh
By Aaron Shew, University of Arkansas; Manoranjan Mondal, International Rice Research Institute; Sudhir Yadav, International Rice Research Institute; Krishna S.V. Jagadish, Kansas State University; Humnath Bhandari, International Rice Research Institute; Lawton Nalley, University of Arkansas

Modeling Market Participation and Nutrient Demand among Agricultural Households in Bangladesh
By Kelly Davidson, University of Florida; Jaclyn Kropp, University of Florida

Agro-Climatic Data by County (ACDC): Methods and Data Generating Processes
By Seong Yun, Mississippi State University; Benjamin Gramig, University of Illinois at Urbana-Champaign

Spatial Price Dynamics and Product Aggregation: An application to the U.S. Dairy Market
By Wenying Li, University of Georgia; Yunhan Li, University of Georgia

A Spatial Econometric Analysis of Cotton Yield Response to Nitrogen
By Xiaofei Li Mississippi State University; Jac Varco, Mississippi State University; Amelia Fox, Mississippi State University

Estimating Spatial Heterogeneity in Hay Yield Responses to Weather Variations in Oklahoma
By Kwideok Han, Oklahoma State University; Brian Whitacre, Oklahoma State University

Determinants of the Choice of a Savings Option: The Case of African Households
By Eric Asare, Texas Tech University; Gertrude Nakakeeto, Texas Tech University; Eduardo Segarra, Texas Tech University

Impact of Microfinance on Poverty and Household Income in Rural Areas in Nigeria
By Jebaraj Asirvatham, Southern Illinois University

An Empirical Analysis of Cotton Trade: A Gravity Model Approach
By Ram Acharya, New Mexico State University; Don Blayney, New Mexico State University; Apar G.C., New Mexico State University

An Assessment of the EU Integration Effects on Nonmember Countries’ Trade
By Gertrude Nakakeeto, Texas Tech University; Jaime Malaga, Texas Tech University; Shaikh Rahman, Texas Tech University

Commodity Prices, Monetary Policy and the Taylor Rule
By Sima Siami-Namini, Texas Tech University; Darren Hudson, Texas Tech University; A. Alexandre Trindade, Texas Tech University
Coffee Consumption in China
By Wuyang Hu, University of Kentucky; Ping Qing, Huazhong Agricultural University; Yilan Xu, University of Kentucky; Ran Zhu, University of Kentucky

An Empirical Analysis of the U.S. Import Demand for Nuts
By Sona Grigoryan, Texas A&M University; Jose Lopez, Texas A&M University

Household Food Demand Analysis in Rural China: Implications for Food Imports
By Haiyan Wang, Arkansas Tech University; Sanja Zivkovic, Texas Tech University

Examining Demand Elasticities for Differentiated Yogurt
By Rezgar Mohammed, Texas Tech University; Olga Murova, Texas Tech University

To What Extent Do Household Expenditure and Prices Affect Demand for Rice in Northern Ghana?
By Pacem Kotchofa, Kansas State University

A Complex Model of Consumer Food Acquisitions: Applying Machine Learning and Directed Acyclic Graphs to the National Household Food Acquisition and Purchase Survey (FoodAPS)
By Mark Senia, Texas A&M University; Senarath Dharmasena, Texas A&M University; Jessica Todd, Economic Research Service, United States Department of Agriculture

Recession Effect on the Private Label Products Demand: A Case Study of Fluid Milk
By Samane Zarebanadkoki, University of Kentucky; Sayed Saghaian, University of Kentucky

Impact of Pet Health Insurance on Veterinary Expenditures
By Angelica Williams, Mississippi State University; Brian Williams, Mississippi State University; Michael Dicks, American Veterinary Medical Association

Change in Generation, Gender and the Future of the Veterinary Profession
By Frederic Ouedraogo, American Veterinary Medical Association

Welfare Impact of Input Subsidies Program in Africa
By Tebila Nakelse, Kansas State University

Galloping Away: Factors Affecting Equine Practitioners' Desire to Change Veterinary Sectors
By Charlotte Hansen, American Veterinary Medical Association

Factors Affecting Farmers' Decisions to Use Direct Sales Channels
By Timothy Park, USDA Economic Research Service, Food Economics Division; Krishna Paudel, Louisiana State University

The Impact of Raising Broilers without Antibiotics on US Chicken Consumption
By Joanna Karavolias, University of Florida; Lisa House, University of Florida

Sustainability-Oriented Consumer Groups and Their Preferences for Tangible and Intangible Attributes of Milk
By Caleb Orr, Clemson University; Zhifeng Gao, University of Florida; Lisha Zhang, Clemson University

The Feasibility of a Lionfish Meat Market in the U.S. Virgin Islands: Consumer Preferences
By Skyler Simnett, University of Florida/Institute of Food and Agricultural Sciences; Lisa House, University of Florida; Sherry Larkin, University of Florida; Jennifer Sweeney Tookes, Georgia Southern; Tracy Yandle, Emory University
AGRICULTURAL ECONOMICS

Session 61: Selected Papers
Nonlinear Models and Structural Change
February 6, 2018 3:30 pm – 5:00 pm
Hyatt Regency Hotel 3rd City Terrace 12

Session Chair: Brandon McFadden, University of Florida

Demand Elasticity of Organic Fruits and Vegetables by Income
By Sungeun Yoon, University of Florida; Brandon McFadden, University of Florida

Testing for Structural Changes in Nonlinear Models: An Application to Fresh Tomato Market
By Feng Wu, University of Florida; Zhengfei Guan, University of Florida

Structural Changes in Demand during Early and Peak Season in Kentucky Produce Auctions
By Alex Butler, University of Kentucky; Martin Bechu, Agrosup Dijon; Timothy A. Woods, University of Kentucky; Michael R. Reed, University of Kentucky

Estimating the Structural Change in U.S Import Demand for Pork, Mutton, Beef & Veal
By Ezekiel Isikhuemhen, North Carolina A&T State University; Osei Yeboah, North Carolina A&T State University; Cephas Naanwaab, North Carolina A&T State University

Session 62: Organized Symposium
Interviewing and Negotiating Jobs for Graduate Students
February 6, 2018 3:30 pm – 5:00 pm
Hyatt Regency Hotel 3rd City Terrace 11

Organizer: Graduate Student Activities Committee
Panelists:
Octavio Ramirez, University of Georgia
Marisa Zansler, Florida Department of Citrus
Spiro Stefanou, University of Florida
Keith Coble, Mississippi State University

AGRICULTURAL ECONOMICS

Session 63: Posters
February 6, 2018 3:30 pm – 5:00 pm
Hyatt Regency Hotel 3rd Conference Center A

Posters will be on display Monday and Tuesday. Presenters will be available during this time for questions.

Extension Cotton Marketing Programs in Texas (2018 SAEA Outstanding Extension Program Award)
By John Robinson, Texas A&M University

Three Essays on Insurance and Options in Agricultural Economics (2018 SAEA Outstanding Doctoral Dissertation Award)
By Eunchun Park, Mississippi State University

Economic Incentives Necessary for Adoption of Environmentally Friendly Cocoa Production in Ghana
By Francis Tsiboe, Kansas State University; Lawton Nalley, University of Arkansas; Egzon Bajrami, World Bank Group; Rebecca Asare, Nature Conservation Research Centre

Financial Risk Management for Cow Herd Rebuilding and Replacements in South Texas
By Alan Young, Texas A&M University; Joe Paschal, Texas A&M AgriLife Extension; Robert Hogan, Texas A&M University; Greg Kaase, Texas Cooperative Extension; Steven Klose, Texas A&M University; David Anderson, Texas A&M University

Factors Influencing Adoption of No-Tillage Agriculture in the Democratic Republic of the Congo
By Willy Byamungu, University of Arkansas; Lawton Nalley, University of Arkansas; Bruce Dixon, University of Arkansas; Heather Price, University of Arkansas

Building Relationships with Agribusiness Professionals through Service Programs
By Joseph Mehlhorn, University of Tennessee; Rachna Tewari, University of Tennessee; Ross Pruitt, University of Tennessee; Scott Parrott, University of Tennessee

Analyzing the Impact of Speed and Width on Planter Costs and Risk for Different Field Characteristics and Planting Windows
By Sarah Best, The University of Tennessee; Aaron Smith, University of Tennessee; Michael Buschermohle, University of Tennessee; Jordan Shockley, University of Kentucky
By Mina Hejazi, Virginia Tech; Mary A. Marchant, Virginia Tech; Jue Zhu, Virginia Tech

An Analysis of Price Behavior in the United States Peanut Industry
By Yuliya Bolotova, Clemson University

Impacts on Teaching Practices Associated with Large Student Enrollments in Online Agribusiness Courses
By Jessica Crews Garcia, University of Tennessee; Joseph Mehlhorn, University of Tennessee; Rachna Tewari, University of Tennessee; Scott Parrott, University of Tennessee; Ross Pruitt, University of Tennessee

Economic Comparison of OCS Sand vs. Nearshore Sand for Coastal Restoration Projects
By Hua Wang, Louisiana State University; Rex Caffey, Louisiana State University; Daniel Petrolia, Mississippi State University; Ioannis Georgiou, University of New Orleans

Designing a Meta-Synthesis Model of affecting Drivers of Land Use Changes by Systematic Review of Previous Studies
By Reza Akbari, University of Kentucky; Mohammad Ghorbani, Ferdowsi University of Mashhad; Michael Reed, University of Kentucky; Naser Shahnoushi Foroshani, Ferdowsi University of Mashhad

Groundwater Governance and Planning in Ogallala Aquifer: A Comparative Evaluation
By Yubing Fan, Texas A&M AgriLife Research; Seong Park, Texas A&M AgriLife Research

Market Failure in Disease Control: The Case of Bovine Viral Diarrhea Virus (BVDv) in the Cattle Industry
By Courtney Hurt, Oklahoma State University

Value-Added Agriculture among Small Farmers in North Carolina: A Case Study
By Jason Moffitt, North Carolina A&T State University; Bianca Jacques, North Carolina A&T State University; Anthony Yeboah, North Carolina A&T State University; John-Paul Owens, North Carolina A&T State University; Jarvetta Bynum, North Carolina A&T State University

Climate Change, Crime and Unemployment: A Cross-Sectional Analysis of Rural and Urban Counties in the United States
By Suzan Odabasi, Auburn University; Patricia Duffy, Auburn University

Improving the Use of Economic Information for Evaluating Pest Management Programs: The Case of the Japanese Beetle (Popillia japonica)
By Michael Thomas, Florida A&M University

The Effect of Price Promotion on Consumer's Buying Behavior in the Yogurt Market
By Rezgar Mohammed, Texas Tech University; Olga Murova, Texas Tech University

Effects of Regulations on the Investment Returns into a Photovoltaic Power Plant
By Anna Klepacka, Warsaw University of Life Sciences; Kamil Pawlik, Warsaw University of Life Sciences; Wojciech Florkowski, University of Georgia

Estimating Supply and Demand Functions of Saudi Arabian Wheat
By Yosef Alamri, University of Kentucky; Tyler Mark, University of Kentucky

The Impact of Food Recall on Brand: The Case of 2010 Similac Formula Recall
By Lijiao Hu, University of Kentucky; Yuqing Zheng, University of Kentucky

Understanding Population Shifts in Tennessee: A 100-year Analysis
By Sreedhar Upendram, University of Tennessee

Exploratory Spatial Pattern Analysis on Pollution Substitution
By Sangyoul Lee, University of Florida; Xiang Bi, University of Florida

Estimating the Value of Preserving or Restoring Culturally Significant Sites in the Mississippi Delta
By Kaylee Wells, Mississippi State University; Matthew Interis, Mississippi State University; Ardian Harri, Mississippi State University

Food Store Choice, Household Socio-demographics and Consumption of Healthy Foods: Evidence from the USDA FoodAPS
By Yawotse Nouve, New Mexico State University; Ram Acharya, New Mexico State University; Don Blayney, New Mexico State University

Risk Efficient Post-Harvest Risk Management Strategies for Western KY Corn and Soybean Farms
By Todd Davis, University of Kentucky

Feeder Cattle Slides and Improved Feeder Marketing
By Derrell Peel, Oklahoma State University; Lauren Clark, Oklahoma State University
Trends of the Utilization of the H-2B Visa Worker Program in the U.S. Gulf Coast states: Evidence from the Seafood Processing Industry
By Mohammad Hasan, Louisiana State University; Maria Bampasidou, Louisiana State University

Developing an Economic Component to the Peanut Risk Index
By Pete Perrin, University of Georgia; Adam Rabinowitz, University of Georgia

Economic Efficiency of Fungicide Effectiveness on Established Cranberry Stands
By Kayla Smith, University of Wisconsin; Sierra Howry, University of Wisconsin; A. Dean Monroe, Monroe Contracting Services

Changing Structure of Food Consumption in Russia
By Vardges Hovhannisyan, University of Wyoming; Magdana Kondaridze, University of Wyoming

Calf Location, Source and Background Preferences of Oklahoma Beef Stocker Producers
By Brian Mulenga, Oklahoma State University; Kellie Raper, Oklahoma State University; Derrell Peel, Oklahoma State University; Amy Hagerman, USDA

A Query Theory Account of a Discrete Choice Experiment under Oath
By Nathan Kemper, University of Arkansas; Jennie S. Popp, University of Arkansas; Rodolfo Nayga, Jr., University of Arkansas

The Effect of Uncertainty Regarding the Clean Water Rule on Land Use Decisions in West Texas
By Andrew Wright, Angelo State University; Kishor Luitel, Angelo State University

Structural Change in Feedlot Death Loss
By Mark Buda, Oklahoma State University; Kellie Raper, Oklahoma State University

The Effect of Eating Breakfast on the Consumption of 100% Orange Juice
By Yang Hu, University of Florida; Lisa House, University of Florida

Extension Tools for Local Food Processors: Financial Analysis Spreadsheets for On-Farm and Off-Farm Inspected Kitchens
By Rodney Holcomb, Oklahoma State University

A Partial Budget Analysis of Cover Crops in Dryland and Irrigated Cotton Systems in the Texas Rolling Plains
By Seong Park, Texas A&M AgriLife Research; Yubing Fan, Texas A&M AgriLife Research; Patson Mubvumba, Texas A&M AgriLife Research; Paul DeLaune, Texas A&M AgriLife Research

Influence of Increased Trading Volume on Agricultural Commodity Futures Prices
By Hammons Hepner, Oklahoma State University; John Riley, Oklahoma State University; Joshua Maples, Mississippi State University

Local Food Purchasing Frequency by Locavores across Market Channels - Implications for Local Food System Development
By Timothy A. Woods, University of Kentucky; Mahla Zare Mehrjerdi, University of Kentucky

Economic Performance of Fumigants in Florida Bell Pepper Production: A Long-Term Perspective
By Trina Biswas, Louisiana State University; Feng Wu, University of Florida; Zhengfei Guan, University of Florida

Demand Characterization for Green and Colored Bell Peppers: Does Color Affect the Substitution Possibilities between Local and Imported Bell Peppers?
By Felipe Peguero, Louisiana State University; P. Lynn Kennedy, Louisiana State University; Hector Zapata, Louisiana State University

Evaluating Crop Share and Cash Lease Arrangements for Texas High Plains Producers
By William Keeling, Texas A&M AgriLife Extension; Steven Klose, Texas A&M University; DeDe Jones, Texas A&M AgriLife Extension

Argentina... A Quest for its Return to International Prominence in Beef Production and Exports
By Alex Butler, University of Kentucky; Consolación Otaño, Argentina Ministry of Agriculture; Matias G. Nardi, Nardi Analytics; Tyler B. Mark, University of Kentucky; Todd D. Davis, University of Kentucky

Perceptions of constraints and their burden affecting transportation efficiency by truckers in Kenya
By Walter Moturi, University of Georgia; Wojciech Florkowski, University of Georgia

Heterogenous Effects of Real-time Consumption Analytics on Residential Water Consumption
By Mehdi Nemati, University of Kentucky; Steven Buck, University of Kentucky
Identifying the Optimal Location for Poultry Litter Based Electricity Plants: A Location-Allocation Problem
By Krishna Paudel, Louisiana State University and Louisiana State University AgCenter; Huizhen Niu, Louisiana State University; Qiuzhuo Ma, South China Agricultural University; Doleswar Bhandari, University of New Mexico

How Management Strategies Influence Carbon Emissions
By Xueting Deng, University of Kentucky

Economic Feasibility of Management Strategies Aimed to Mitigate the Damage of Citrus Greening
By Samuel Zapata, Texas A&M University

Weather Effects on Soybean Yields in Western Kentucky
By William Fox, University of Kentucky

An Investment Analysis of Melon Production Using a Novel Mesh Barrier and Bumblebees
By Jerrod Penn, University of Kentucky; William Fox, University of Kentucky

Resource Use Changes with Biogas Technology Adoption
By Florence Lwiza, Kansas State University; Sidonia Mckenzie, Kansas State University

Direct Marketing and Sales Contracts: Evidence from Louisiana
By Achyut Adhikari, Louisiana State University; Muna Bhandari, Louisiana State University; Krishna Paudel, Louisiana State University; Jianhua Wang, East China University of Technology

Farmers’ Perception of Major Challenges Related to Compliance with the Food Safety Modernization Act
By Achyut Adhikari, Louisiana State University; Muna Bhandari, Louisiana State University; Krishna Paudel, Louisiana State University; Kun Li, Louisiana State University; Jianhua Wang, East China University of Technology

Farm to Chef Marketing Constraints in North Carolina
By Uchenna Okefi, North Carolina A&T State University; Godfrey Ejimakor, North Carolina A&T State University; Bryan Wilson, North Carolina A&T State University; Oluymeni Olatunji, North Carolina A&T State University

The Economic Impact of the Bacterial Spot Disease on Tomato Production
By Berdikul Qushim, University of Florida; Zhengfei Guan, University of Florida; Feng Wu, University of Florida; Gary Vallad, University of Florida

Economic Contributions of Agriculture and Forestry in Tennessee
By Burton C. English, University of Tennessee; Kimberly Jensen, University of Tennessee; R. Menard, University of Tennessee’s Institute of Agriculture; Sreedhar Upendram, University of Tennessee

The Economic Impact of the Botrytis Fruit Rot on Strawberry Production in Florida
By Berdikul Qushim, University of Florida; Feng Wu, University of Florida; Zhengfei Guan, University of Florida; Natalia Peres, University of Florida

An Evaluation of Consumer Preferences for Value-Added Dairy Products in North Carolina’s Piedmont Region
By Babajide Obanla, North Carolina A&T State University; Kenrett Jefferson-Moore, North Carolina A&T State University; Salam Ibrahim, North Carolina A&T State University; Alice Mukunzi, North Carolina A&T State University

A Consumer Profile for Locally Produced Yogurt in North Carolina’s Piedmont Region
By Alice Mukunzi, North Carolina A&T State University; Kenrett Jefferson-Moore, North Carolina A&T State University; Salam Ibrahim, North Carolina A&T State University; Babajide Obanla, North Carolina A&T State University

Spatial Analysis of the Drivers of Agricultural Land Use Change in Iran: Application of Multilevel Modeling
By Reza Akbari, University of Kentucky; Mohammad Ghorbani, Ferdowsi University of Mashhad; Michael Reed, University of Kentucky; Naser Shahnoushi, Ferdowsi University of Mashhad

A Feasibility Case Study for Small Scale Goat Dairy Enterprises in North Carolina
By Armeisha Smallwood, North Carolina A&T State University; Kenrett Jefferson-Moore, North Carolina A&T State University; Salam Ibrahim, North Carolina A&T State University; Antoine Alston, North Carolina A&T State University; Chastity English, North Carolina A&T State University
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<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>Saturday, February 3, 2018</td>
<td>3:00 – 6:00 p.m.</td>
<td>Registration</td>
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<td></td>
<td>7:00 – 8:00 a.m.</td>
<td>Graduate Student Breakfast (Pre-registered graduate students)</td>
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<td>8:15 – 8:45 a.m.</td>
<td>Vespers</td>
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<td>9:00 – 9:30 a.m.</td>
<td>Agricultural Education Opening Session</td>
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<td>9:45 – 11:45 a.m.</td>
<td>Concurrent Research Session I – Teaching and Learning</td>
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<td>12:00 – 1:30 p.m.</td>
<td>Luncheon and introduction of graduate students and new faculty</td>
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<td>1:30 – 2:30 p.m.</td>
<td>Committee Meetings</td>
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<tr>
<td>Sunday, February 4, 2018</td>
<td>7:00 – 10:00 a.m.</td>
<td>Registration</td>
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<td>7:00 – 8:00 a.m.</td>
<td>Vespers</td>
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<td>8:15 – 8:45 a.m.</td>
<td>Concurrent Research Session A – Preservice Education</td>
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<td>9:00 – 9:30 a.m.</td>
<td>Concurrent Research Session B – School Based Education Programs</td>
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<td>9:45 – 11:45 a.m.</td>
<td>Concurrent Research Session C – School Based Education Curriculum</td>
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<tr>
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<td>12:00 – 1:30 p.m.</td>
<td>Luncheon and introduction of graduate students and new faculty</td>
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<td>1:30 – 2:30 p.m.</td>
<td>Committee Meetings</td>
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**SAEA Editorial Council**

February 6, 2018 5:00 – 7:00 pm
Hyatt Regency Hotel 3rd Boardroom 2

February 6, 2018 6:00 – 8:00 pm
SAEA Reception
Sweet Pete’s Candy Factory including candy making demonstrations.
<table>
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<th>Time</th>
<th>Event</th>
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| 2:30 – 3:15 p.m. | SR-AAAEE Business Meeting Session I  
Brian Myers, SR-AAAEE President  
Grand Ballroom, Section 3 |                                      |
| 3:15 – 4:00 p.m. | SIG Meetings  
City Terrace 10, 9, 8, 7                                                                 |                                    |
| 4:15 – until   | SAAS Reception/Super Bowl Party  
Mavericks Live at Jackson Landing                                                  |                                    |
| 7:00 – 10:00 a.m. | Registration  
Third Floor Skybridge                                                            |                                    |
| 7:00 – 8:30 a.m. | Innovative Poster Session  
(with breakfast)  
Conference Center A                                                                 |                                    |
| 8:45 – 10:45 a.m. | Concurrent Research  
Session II - Extension and Professional Development  
25-minute presentation each, 20 minutes of panel Q&A  
Grand Ballroom Section 6  
River Terrace 1  
City Terrace 1  
City Terrace 6  
River Terrace 1 |                                    |
| 11:00 – 12:00 p.m. | SR-AAAEE Business Meeting Session II  
Brian Myers, SR-AAAEE President  
Grand Ballroom Section 6 |                                      |
| 12:00 – 1:30 p.m. | Luncheon and Distinguished Lecture  
Grand Ballroom Section 4                                                               |                                    |
| 1:45 – 4:00 p.m. | Professional Development  
Grand Ballroom Section 1                                                              |                                    |
| 4:30 – 6:00 p.m. | Tennessee Host State Social  
Dinner on your Own                                                                  |                                    |

**Tuesday, February 6, 2018**

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<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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| 7:00 – 8:30 a.m. | Research Poster Session  
(with breakfast)  
Conference Center A                                                                 |                                    |
| 9:00 – 11:00 a.m. | Concurrent Research  
Session III – Higher Education and Evaluation  
25-minute presentation each, 20 minutes of panel Q&A  
Session G – Issues in Higher Education  
City Terrace 4 |                                    |
| 11:30 – 1:30 p.m. | Awards Luncheon  
River Terrace 1                                                                 |                                    |

SR-AAAEE Conference Adjourns after Lunch
Program of the Southern Branch
American Society of Agronomy Annual Meeting
February 4-6, 2018
Hyatt Regency Jacksonville-Riverfront
Jacksonville, FL

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USDA-ARS National Soil Dynamics Lab
dexter.watts@ars.usda.gov

SUNDAY, FEBRUARY 4, 2018

Registration: 10:00 AM - 4:00 PM
Hyatt Regency Jacksonville-Riverfront
Third Floor Skybridge

POSTER SESSION 1:00 PM - 4:00 PM
Authors Present from 1:00 PM - 3:00 PM
Hyatt Regency Jacksonville-Riverfront
Conference Center A

UNDERGRADUATE STUDENT POSTER
COMPETITION – CROPS AND SOILS


2. Effect of Shade on Morphological Features and Chlorophyll Content in Plants. K. L. McClee* and M. Pande; Mississippi Valley State University.


4. Cheese Whey Wastewater Application to Soil: Show Me the “Whey”! A. Lamb*1, A. Poncet1, A. Van Cleave1, A. Gamble1, T. Knappenberger1, E. Brantley1, and J. A. Howe2; (1) Auburn University; (2) Texas A&M University

GRADUATE STUDENT POSTER
COMPETITION – M.S. Students

1. Evaluation of Drought-Tolerant Corn (Zea mays L.) Hybrid Performance in a High Yield, Non-Moisture Limiting Environment. J. J. Williams*1, B. Henry1, and N. W. Buehring; (1) Mississippi State University; (2) North Mississippi Research and Extension Center, Mississippi State University, Verona, MS

2. Evaluation of Peanut Cultivars, Wild Species, and Experimental Lines for Drought and Heat Tolerance. Z. Zoong Lwe*1, S. Narayanan1, and S. Tallury2; (1) Clemson University; (2) Plant Genetic Resources Conservation Unit, USDA-ARS, Griffin, GA

3. Morpho-Physiological and Root Architectural Differences Associated with Drought Tolerant Corn Hybrids. C. Walne*, C. Wijewardana and K. R. Reddy; Mississippi State University


5. Determining the Impact of Planting Pattern on Peanut Water-Use Efficiency Using the Eddy-Covariance Method. N. Singh*; University of Georgia, Griffin, GA
6. Impact of First True Leaf on Seedling Vigor Under Field Conditions. G. Virk*, J. Snider, C. Pilon and M. A. Scolari; University of Georgia – Tifton

7. Response of Alternative Oilseed Crops to Deficit Irrigation. I. L. Pabuayon*, S. Singh and G. L. Ritchie; Texas Tech University


9. Effects of Biochar Application on Soil Chemistry and Plant Uptake in Fescue-Dominated Pasture in Middle Tennessee. X. Li*, S. Jagadamma and F. R. Walker; University of Tennessee – Knoxville

GRADUATE STUDENT POSTER COMPETITION − Ph.D. Students

1. Influence of Water Stress on Soybean Seed Physiology, Quality, and Chemical Composition. C. Wijewardana*, F. A. Alsajri, N. Bellaloui and K. R. Reddy; (1) Mississippi State University; (2) Crop Genetics Research Unit, USDA-ARS, Stoneville, MS


3. Effect of Temperature at Reproductive Growth Stage on Soybean Seedling Shoot and Root Morphology of the Offspring. F. Alsajri, C. Wijewardana, and K. R. Reddy; Mississippi State University

4. Evaluating Physiological and Yield Parameters of 100 Elite Rice Genotypes. S. Jumaa*, E. D. Redoña, and K. R. Reddy; (1) Mississippi State University – Starkville; (2) Mississippi State University – Stoneville

5. Screening Rice Genotypes for Drought Stress at Early Growth Stage. N. Naqeebullah*, E. D. Redoña, and K. R. Reddy; (1) Mississippi State University – Starkville; (2) Mississippi State University – Stoneville


9. The Role of Locally Derived Effective Microorganisms in Reducing Ammonia Volatilization from Soil and Its Potentiality to Enhance the Nitrogen Mineralization. K. Mahmud*, D. Franklin, D. W. Hancock, M. L. Cabrera, M. Y. Habteselassie, Q. Newcomer, and L. Ney; (1) University of Georgia-Athens; (2) University of Georgia – Griffin; (3) University of Georgia – Costa Rica

10. Influence of Plant Growth-Promoting Rhizobacteria on Maize Growth Under Drought Stress. Y. Lin*, D. B. Watts, J. Kloepper, and Y. Feng; (1) Auburn University; (2) Soil Dynamics Lab, USDA-ARS, Auburn, AL

11. Salinity Tolerance of Guar or Cluster Bean Cyamopsis tetragonoloba L.) Genotypes. J. D. Suthar*, I. Rajpar, G. K. Ganjejgunte, and Z. U. H. Shah; (1) Texas AgriLife Research, El Paso, TX; (2) Sindh Agriculture University, Tandojam, Pakistan
9. Tillage and Residue Management in the Mississippi Delta - Corn and Soybean Yields. M. W. Ebelhar* and N. W. Buehring; (1) Mississippi State University – Stoneville; (2) North Mississippi Research and Extension Center, Mississippi State University, Verona, MS

10. Simulating Carbon Flux and Evapotranspiration of Two Forage Production Systems in Middle Tennessee Using Machine Learning. S. Cui*1, Q. Wu1, N. Rajan2, S. Nair3, T. Pirtle4 and A. Nevins2; (1) Middle Tennessee State University; (2) Texas A&M University, College Station; (3) Sam Houston State University; (4) University of Florida, Gainesville

11. On-Farm Demonstrations Lead to Soil Moisture Sensor Adoption in Florida's Suwannee Valley. P. Troy*; University of Florida; IFAS

12. Brassica carinata Genotype Screening in North Florida. P. Troy*; University of Florida, IFAS

13. Assessing Impacts of Cheese Whey Wastewater on Vegetation. J. A. Howe*1, M. DeHaven2, T. Knappenberger2 and E. Brantley2; (1) Texas A&M University; (2) Auburn University

PROFESSIONAL POSTER – SOILS

1. How Switching to a Rotational Cropping System Changes Soil Properties after 12 Years of Continuous Corn. R. Gilfillen*, A. Netthisinghe, T. Willian, and P. Woosley; Western Kentucky University


1. Tomato Fruit and Soil Response to Polyhalite Fertilizer on Sandy Loam Soils in the Mid-Atlantic Region, USA.
M. S. Reiter*1 and K. Pavuluri2; (1) Eastern Shore Agricultural Research and Extension Center, Virginia Tech, Painter, VA; (2) Sirius Minerals, Scarborough, United Kingdom

SAAS Program
4:00 PM-5:00 PM
SAAS Business Meeting
Grand Ballroom Section 6
Hyatt Regency Jacksonville-Riverfront

4:15 PM
Social and Superbowl Party
Grand Ballroom Section 4/5
Hyatt Regency Jacksonville-Riverfront

8:55
Introductory Remarks
– Dr. Jeffrey O. Boles, President
– Dr. SK Ballal, Program Chair

9:00

9:30
Justin Ray1*, Xin Yang2*, Tingwei Guo1, Feng Kong1, Fengyan Deng3, Steven Clough4, Katrina Ramonell1 “A Novel Receptor-Like Kinase Involved in Fungal Pathogen Defense in Arabidopsis thaliana” 1University of Alabama, Department of Biological Sciences. Tuscaloosa, AL 35487. 2University of Alabama, Statistics Research and Consulting Lab, Culverhouse College of Commerce and Business Administration, Tuscaloosa, AL 35487 3University of Kansas Medical Center, 3901 Rainbow Blvd, Kansas City, KS 66160 4University of Illinois at Urbana-Champaign, College of Agricultural, Consumer and Environmental Sciences, Urbana, IL 61801.

10:00
Safaa Al-Hamdani and Dawn Evans “Selected Physiological Responses of Roselle to Drought Stress and Assessment of Ecological Fitness of Two Roselle Varieties in Alabama” Biology Department, Jacksonville State University, 700 Pelham Road North Jacksonville, Alabama 36265.

10:30
Sachin Rustgi, Nitant Gandhi, Sanmeet Kashyap, Brianna Ludlum, and Scarlett Cranford. “A quest for the dietary therapies for the food-born disorders caused by the major staple grains.” Clemson University Pee Dee Research and Education Center, 2200 Pocket Road, Florence SC 29506

11:00
Marilyn Cruz-Alvarez, Sandra Londoño, Inna Timshina, Daniel Dorado, Brandon Califar, Christopher Breeding, and Jose Morales. “Searching for the genetic bases of the cauliflower phenotype” Biological Sciences Department, Florida Gulf Coast University, 10501 FGCU Blvd. South, Ft. Myers, Fl 33965.
BIOCHEMISTRY & BIOTECHNOLOGY

11:30 Andrew G. Palmer and Thiara Bento. "Nutrient driven kin recognition regulates competition and root system architecture" Department of Biological Sciences Florida Institute of Technology, 150 W. University Blvd. Melbourne FL 32901.

12:00 – 1:00 Lunch and Poster Viewing

1:00 Feng Kong and Katrina Ramonell. "Identification and Characterization of Arabidopsis Toxicos en Levadura 12: A gene involved in chitin-elicitor-triggered immunity and abiotic stress response." 2401 Science and Engineering Complex, Department of Biological Sciences, University of Alabama, Tuscaloosa, AL 35473

1:30 Tingwei Guo and Katrina Ramonell. "Expression and regulation of ATL9, an E3 ubiquitin ligase involved in plant defense." Department of Biological Sciences, University of Alabama, Tuscaloosa, AL 35473.

2:00 Closing Remarks

Undergraduate Poster – Conference Center A

1) Nathan Hadland and Davis Handy, David, Masaitis, Arianna Eichler, Dennis Picket, and Andrew Palmer “Plant Growth in Martian Regolith Simulant Using Nutrient Supplementation” Department of Biological Sciences, Florida Institute of Technology, 150 W. University Blvd. Melbourne FL 32901.

Remainder of program will be available at the meeting. Thanks for your patience.

FRIDAY

7:00 am - 6:00 pm Registration
Room: Hotel Lobby

8:00 am - 5:00 pm Southern Fruit Workers
Room: City Terrace 5

10:00 am - 1:00 pm ACB Club Share and Networking
Room: River Terrace 2

1:00 pm - 5:00 pm ACB Group Activities, Tour, and Meal
Room: River Terrace 2

1:00 pm - 6:00 pm Watermelon Research Group
Room: River Terrace 3

1:00 pm - 5:00 pm Horticulture Administrators
Room: Boardroom 1

5:00 pm - 6:00 pm Executive Committee Meeting
Room: Boardroom 1

5:00 pm - until ACB Mixer TBA
Room: TBA

SATURDAY

7:00 am - 6:00 pm Registration
Room: 3rd Floor Sky Bridge

8:00 am – 12:00 pm Set-up Posters
Room: Conference Center A

8:00 am – 12:00 pm J. Benton Storey Horticulture Judging Contest Setup
Room: River Terrace 1

8:00 am - 6:00 pm Watermelon Research Group
Room: River Terrace 3

8:00 am - 10:15 am Extension Section
Room: City Terrace 5

8:00 am – 10:30 am J. B. Edmond Undergraduate Student Paper Competition.
Room: City Terrace 6

9:00 am – 12:00 pm Vigna Crop Germplasm Committee
Room: City Terrace 9

10:00 am - 2:30 pm Norman F. Childers M.S. Student
Room: City Terrace 6

10:30 am - 12:00 am Education Section Room: City Terrace 5
12:30 pm - 3:30 pm  
**Fruit Crops Section**  
Room: City Terrace 5

12:00 pm - 5:00 pm  
**Poster Session Viewing**  
Room: Conference Center A

12:00 pm - 5:00 pm  
**J. Benton Storey Horticulture Judging Contest**  
Room: River Terrace 1

1:00 pm - 3:00 pm  
**Vegetable Crops Section**  
Room: City Terrace 4

1:00 pm - 5:00 pm  
**National Cowpea Improvement Association**  
Room: City Terrace 9

3:00 pm - 5:00 pm  
**Warren S. Barham Ph.D. Student Paper Competition**  
Room: City Terrace 6

### SUNDAY

**7:00 am - 10:45 am**  
**Registration**  
Room: 3rd Floor Sky Bridge

**8:00 am - 10:45 pm**  
**Poster Session Viewing**  
Room: Conference Center A

**8:00 am - 11:00 am**  
**Vegetable Crops Section**  
Room: City Terrace 9

**8:00 am - 10:45 am**  
**Floriculture, Ornamentals and Turf Section**  
Room: City Terrace 10

**8:00 am - 10:45 am**  
**Fruit Crops Section**  
Room: City Terrace 8

**8:00 am - 10:45 am**  
**Postharvest & Biotechnology Section**  
Room: Boardroom 2

**9:00 am - 10:45am**  
**ACB Business Meeting**  
Room: Grand Ballroom Section 6

**11:00 am - 12:30 pm**  
**Annual Business Meeting and Award Program**  
Room: Grand Ballroom Section 6

**1:00 pm - 3:00 pm**  
**Poster Session Take Down**  
Room: Conference Center A

### SAAS Program

**2:30 pm - 3:30 pm**  
**SAAS Board Meeting**  
Room: Grand Ballroom 6

**4:00 pm - 5:00 pm**  
**SAAS General Business Meeting**  
Room: Grand Ballroom 6

### TUESDAY

**7:00 am - 10:00 pm**  
**SAAS Board Breakfast Meeting**  
Room: Boardroom 2

### REGISTRATION

**Friday**  
7:00 am - 6 pm, Hotel Lobby  
12:00-6:00 Activity/Tour/Meal TBA  
Presiding: Preston Smith, ACB-President  
Steve Still, ACB Advisor

**Saturday**  
7:00 am - 6 pm, 3rd Floor Sky Bridge  
Presiding: Sarah White, Chair

**Sunday**  
7:00 am – 10:30 am, 3rd Floor Sky Bridge

### FRIDAY, February 2, 2018

**ACB Activities**  
Room: River Terrace 2  
Time: 10:00 - 12:00 Club Share  
12:00-6:00 Activity/Tour/Meal TBA  
Presiding: Preston Smith, ACB-President  
Steve Still, ACB Advisor

**SRASHS Executive Committee Meeting**  
Room: Boardroom 1  
Time: 5:00 - 6:30  
Presiding: Sarah White, Chair

**Working Groups**  
Listed at end of program

### SATURDAY, February 3, 2018

**STUDENT COMPETITIONS**

**J. BENTON STOREY UNDERGRADUATE JUDGING CONTEST**  
Room: River Terrace 1  
Time: 8:00 - 12:00 Judging Contest Set-Up  
12:00-5:00 Judging Contest  
Presiding: Kelsey Brazelton, ACB President-Elect  
Steve Still, ACB Advisor

**J. B. EDMOND UNDERGRADUATE STUDENT PAPER COMPETITION**  
Room: City Terrace 6  
Presiding: Preston Smith, ACB-President,  
Moderator  
Tim Davis, SRASHS President,  
Introduce Session  
Cynthia McKenney and Whitney Griffin, Section Co-Chairs & Judging Coordinators
Abstracts: To publish abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Co-Chair: whitneygriffin@tamu.edu

8:00 am –10:30 am Order of presentations determined by drawing at beginning of contest.

Changes in Ripeness Attributes of Peaches and Nectarines during Postharvest Storage. Mary C. Siebenmorgen*, Renee T. Threlfall†, and Margaret L. Worthington‡, 12650 N. Young Avenue, Food Science Department, University of Arkansas, Fayetteville, AR 72704, 2316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701. (mcsieben@email.uark.edu)

Creating a Reference Collection of Fall Pollinators Observed on Cucumber and Pepper Crops Grown with Companion Plants in Central Texas*, Lauren Kilpatrick, John Montoya and Michael Arnold, Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843-2133 (lauren.kil@tamu.edu)

Direct and nitrogen form-dependent rhizosphere acidification in southern highbush blueberry (Vaccinium corymbosum interspecific hybrids) Christopher S. Imler*, Camila Arzola, and Gerardo H. Nunez, Horticultural Sciences Department, University of Florida, Gainesville, FL 32611. (g.nunez@ufl.edu)

Galia Specialty Melon Evaluations and Opportunities. Elizabeth Indermaur*, Jonathan Schultheis, and Keith Starke., Department of Horticultural Science, North Carolina State University, Raleigh, NC 27695. (ejindem@ncsu.edu)

Impression of Consumer Sensory and Composition Attributes of Fresh-Market Blackberries. Aubrey N. Dunteman†, Renee T. Threlfall†, and John R. Clark‡, 12650 N. Young Avenue, Food Science Department, University of Arkansas, Fayetteville, AR 72704, 316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701. (anduntem@email.uark.edu)

Influence of Pecan Shell Mulch on Rabbiteye Blueberry Establishment. Jacob T. Kelley†, James D. Spiers, Ashley A. Hoppers, Raymond J. Kessler, Department of Horticulture, Auburn University, Auburn, Alabama 36849, 2University of Georgia Extension, Liberty County, Hinesville, GA 31313. (jtk0016@auburn.edu)

Pollin effects on fruit shape traits in Capsicum annuum L. Yang Yue*, Yuru Chang and Bala Rathinasabapathi Horticultural Sciences Department, University of Florida, Gainesville, FL 32611-0690. (yangyue@ufl.edu)

Role of antioxidants on the incidence of white drupelet disorder in blackberry cultivars. Katlynn Murphy*, Brian Lawrence, Juan Carlos Melgar, Department of Plant and Environmental Sciences, Clemson University, SC 29634. (katlynn@clemson.edu)

Wood Dust Incorporation Into a 5/8” Pine Bark Medium to Improve Soil Water Holding Capacity in Nursery Production Potting Soils. Schyler Lee, Ed Bush and Mark Wilson, Louisiana State University Agriculture Center, School of Plant and Soil Environmental Sciences,137 J. C. Miller Hall, 70803. (ebush@agcenter.lsu.edu).

NORMAN F. CHILDERS
M.S. GRADUATE STUDENT
PAPER COMPETITION
Room: City Terrace 6
Presiding: Eric Stafne, Chair
Abstracts: To publish abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair: eric.stafne@msstate.edu

10:30 am – 3:30 pm Order of presentations determined by drawing at beginning of contest.

A comparison of nutrient film technique, deep flow technique and shallow aggregate ebb and flow systems for hydroponic basil production. Samuel Doty and Michael R. Evans, 316 Plant Science Building, Department of Horticulture, University of Arkansas System Division of Agriculture, Fayetteville, AR, 72701. (swdoty@uark.edu)

Effects of Cucurbita Rootstocks on Tolerance of Grafted Seedless Watermelon Seedlings to Chilling Stress. Sylvia Willis* and Xin Zhao, Horticultural Sciences Department, University of Florida, Gainesville, FL 32611. (szxiao@ufl.edu)

Efficacy of saponins against E. coli in a nutrient film technique hydroponic system. Nathan J. Eylands1, Angela Shaw2 and Michael R. Evans1, 316 Plant Science Building, Department of Horticulture, University of Arkansas System Division of Agriculture, Fayetteville, AR 72701, 2313 Food Sciences Building, Department of Food Science and Human Nutrition, Iowa State University, Ames, IA 50011. (njeyland@uark.edu)

Evaluating the Effects of Antioxidants Extracted from Greenhouse and Field-grown Sweetpotato (Ipomoea batatas L.) Leaves on the Shelf-life of Catfish Nuggets. Kenisha O. Gordon* and James O. Garner, Jr. Department of Agriculture, University of Arkansas at Pine Bluff, Mail Slot 4913, 1200 North University Drive, Pine Bluff, AR 71601. (gordonk1474@uapb.edu)
Evaluation of a New Herbicide for Sensitive Herbasceous Ornamental Crops. John R. Penney, Adam F. Newby, Charles H. Gilliam, and J. Raymond Kessler. Department of Horticulture, Auburn University, Alabama, AL 36849. (jrp0042@auburn.edu)

Fine mapping of egusi trait locus (eg) in watermelon using SNP markers. Lucky Paudel1*, Josh Cleveger2 and Cecilia McGregor1, 1Institute of Plant Breeding, Genetics & Genomics, University of Georgia, 1111 Plant Sciences Building, Athens, GA 30602., 2Institute of Plant Breeding, Genetics & Genomics, University of Georgia, 0248 CAGT, 111 Riverbend Road, Athens, GA 30602. (lp23710@uga.edu)

Influence of Compost Application Method on Soil Quality and Plant Growth in Organic Spinach Production. Craig Frey*, Xin Zhao, and Zack Black, Horticultural Sciences Department, University of Florida, Gainesville, FL 32611. (zxin@ufl.edu)

Location Effects on Crape Myrtle Bark Scale Incidence. Kevin Chretien* and Derald A. Harp, School of Agriculture, Texas A&M University – Commerce, Commerce, TX 75429 (derald.harp@tamuc.edu)

Occurrence and Possible Causes of Peach Skin Streaking. Linus T. Schmitz*, Guido Schnabel and Mengjun Hu, Department of Plant and Environmental Sciences, Clemson University, 105 Collings St., Clemson, SC 29634. (linuss@g.clemson.edu)

Physicochemical and Sensory Ripeness Attributes of Arkansas-grown Peaches and Nectarines. Molly Felts1*, Renee T. Threlfall1, and Margaret L. Worthington2,2650 N. Young Avenue, Food Science Department, University of Arkansas, Fayetteville, AR 72704, 316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701. (mretherf@email.uark.edu)

Preharvest and postharvest effects on internal necrosis incidence and severity in 'Covington' sweetpotato. Fernando Montero de Espinosa* and Jonathan R. Schultheis, 1North Carolina State University, Department of Horticultural Science, 2721 Founders Drive, Raleigh, NC 27695-7609 (fmonter@ncsu.edu)

Preliminary Assessment of Selected Hybrid Bunch Grape Rootstocks. Enfeng Xu1, Elina D. Coneva, J. Raymond Kessler, and Edgar L. Vinson, Department of Horticulture, Auburn University, Alabama, AL 36849. (ezx0001@auburn.edu)

Response of Plant Development as Influenced by Substrate Water Content During the First Two Weeks of Production Post Transplant on Catharanthus roseus 'Pacifica Deep Orchid'. Anthony T. Bowden*, Adam F. Newby, Glenn B. Fain, and Daniel E. Wells, Department of Horticulture, Auburn University, Auburn, AL 36849-5408. (atb0013@auburn.edu)

Retrofitting Vertically Shoot-Positioned Petit Manseng to Improve Vineyard Crop Yield Rachael White* and Cain Hickey, Department of Horticulture Sciences, The University of Georgia, Athens, GA 30606 (rsw63409@uga.edu)

Table stock potato cultivar response to preharvest vine desiccation timing. Fernanda Souza Krupek*, Peter J. Dittmar, Lincoln Zotarelli, and Steve A. Sargent, Horticultural Sciences Department, University of Florida, Gainesville, FL 32611. (krupek@ufl.edu)

The effects of grafting on disease incidence of Fusarium oxysporum f. sp niveum races 1 and 2 in watermelon. Josh Yeargin1*, Richard L. Hassell1, and Pat Wechter2,1Clemson University CREC 2700 Charleston SC 29414, 2USDA-ARS Vegetable Center 2700 Savannah Highway Charleston SC 29414. (jmyearg@g.clemson.edu)

The Impact of Daily Light Integral Supplements on Biomass Accumulation and Nutrient Uptake in Hydroponically Grown Genovese Pesto Basil. Hunter A. Hammock*, Dean A. Kopsell, and Carl E. Sams, Department of Plant Sciences, The University of Tennessee, Knoxville, TN, 37996. (hhammoc1@vols.utk.edu)

Trends in seasonal nutrient movement in peach trees due to variable fall climate. Brian Lawrence* and Juan Carlos Melgar, Department of Plant and Environmental Sciences, Clemson University, Clemson, SC 29631. (btlawre@clemson.edu)

Unlocking the Genetic Code of Brown Rot Tolerance in Peach. Wanfang Fu, Cassia Da Silva Linge, Ralph Burrell, Guido Schnabel and Ksenija Gasic. Clemson University, Dep. of Plant and Environmental Sciences, Clemson, SC. (wfu@clemson.edu)
Association Mapping for Iron Deficiency Chlorosis in Worldwide Cowpea. Waltram Ravelombola1, Jun Qin1, Ainong Shi1, J. Creighton Miller, Jr. 2, Douglas Scheuring3, Yuejin Weng1, Gehendra Bhattarai1, Lingdi Dong1, and Wei Yang1
1Department of Horticulture, 316 PTSC, University of Arkansas, Fayetteville, AR 72701, USA; and
2Department of Horticultural Sciences, 2133 TAMU, Texas A&M University, College Station, TX 77843, USA. (A. Shi, E-mail: ashi@uark.edu)

Determine water requirement for peach trees in a humid climate. Carlos Zambrano-Vaca*, Lincoln Zotarelli1, Kelly T. Morgan2, Kati W. Migliaccio3, Richard C. Beeson Jr.4, and José X. Chaparro1. 1Horticultural Sciences Department, University of Florida, Gainesville, FL 32611, 2Southwest Florida Research and Education Center University of Florida, Immokalee, FL 3414, 3Agricultural and Biological Engineering Department, University of Florida, Gainesville, FL 32611, 4Mid-Florida Research and Education Center, Apopka FL 32703. (lzota@ufl.edu)

Development of Omics-Based Resources to Characterize the Anthocyanin Pathway in Blueberry (Vaccinium sp.). Kelsey J. Zielinski1,2,*, and Mary Ann Lila1,2. Plants for Human Health Institute, North Carolina State University at the NC Research Campus, 600 Laureate Way, Kannapolis, NC 28081, 2Department of Food, Bioprocessing, and Nutrition Sciences, 3Department of Horticultural Science, North Carolina State University, Raleigh, NC 27695. (kzielin@ncsu.edu)

Where do Nutrients Go When Peach Trees are Fertilized? Qi Zhou* and Juan Carlos Melgar, Department of Plant and Environmental Sciences, Clemson University, Clemson, SC 29634. (qzhou3@clemson.edu)

Testing irrigation and fertilization rates for young peach plants in controlled environment. Bruno Casamali1, Marc W. van Iersel2, and Dario J. Chavez3. 11109 Experiment St., Department of Horticulture, University of Georgia, Griffin, GA 30223. 21111 Miller Plant Science Bldg., Department of Horticulture, University of Georgia, Athens, GA 30602. (bcasamali@uga.edu)

Validation of a Stable Major-Effect Flowering Time Quantitative Trait Locus in Watermelon Winnie Gimode*, Josh Clevenger2 and Cecilia McGregor3, 1Institute of Plant Breeding, Genetics & Genomics, University of Georgia, 1111 Plant Sciences Building, Athens, GA 30602, 2Center for applied Genetic Technologies (CAGT), University of Georgia, 111 Riverbend Rd Athens, GA 30602 (wrgimode@uga.edu)

Hollow heart formation in grafted and non-grafted watermelon. Marlee A. Trandel, Penelope Perkins-Veazie, Jonathan Schutleis, Chris Gunter, and Eva Johannes. North Carolina State University. (matrande@ncsu.edu)

Responses of Sweet Basil to Different DLIs in Photosynthesis, Morphology, Yield, and Nutritional Quality. Haijie Dou*, Genhua Niu2, and Mengmeng Gu3, 1Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843, 2Texas A&M AgriLife A&M Circle, El Paso, TX 79927, 3Department of Horticultural Sciences, Texas A&M AgriLife Extension Service, College Station, TX 77843. (haijiedou@tamu.edu)
8:15 Sweetpotato Vine Multiplication Training in West and North Africa. Dilip Nandwani, Department of Agriculture and Environmental Sciences, College of Agriculture, Tennessee State University, Nashville, TN 37209. (dnandwan@tnstate.edu)

8:30 Functional Motivations of Extension Master Gardeners. Sheri Dorn1, Bodie Pennisi1, Milton Newberry2, and Ellen Bauske3, 1109 Experiment Street, Department of Horticulture, University of Georgia, Griffin, GA 30224, 2Department of Agricultural Leadership, Education and Communication, University of Georgia, 142A Four Towers Building, 405 College Station Road, Athens, GA 30602, 31109 Experiment Street, Department of Plant Pathology, University of Georgia, Griffin, GA 30224. (sdorn@uga.edu)

8:45 Familiarity and Attributes of Plantable Biodegradable Containers Among Environmental Horticulture Firms. Bethany A. Harris1, Wojciech J. Florkowski2, and Bodie V. Pennisi1, Department of Horticulture1 and Department of Agricultural and Applied Economics2, University of Georgia, 1109 Experiment St., Griffin GA 30223. (bah5191@uga.edu)

9:00 Mapping of how Nursery and Greenhouse Growers Think About Water Conservation and Treatment Technologies to Inform Extension Efforts. Alexa J. Lamm*, Laura Warner, and Peyton Beattie, Department of Agricultural Education and Communication, University of Florida, Gainesville, FL 32611. (alamm@ufl.edu)

9:15 Break

9:30 Nursery and Greenhouse Growers’ Extension Initiative and Communication Preferences. Peyton Beattie*, Alexa J. Lamm, and Laura Warner, Department of Agricultural Education and Communication, University of Florida, Gainesville, FL 32611. (pbeattie@ufl.edu)

9:45 Exotic Citrus Diseases Website, Non-Thesis Master’s Project. Ajia M Paolillo1*, Megan M. Dewdney1, Alexa J. Lamm2, Joy N. Rumble2, William S. Castle1, and Thomas A. Obreza3. 1Citrus Research and Education Center, University of Florida, Lake Alfred, FL 33850. 2UF/IFAS Extension Administration, University of Florida, Gainesville, FL 32611. 3UF/IFAS Extension Administration, University of Florida, Gainesville, FL 32611. (ajia.paolillo@gmail.com)

10:00 Development of a High School Viticulture Course Curriculum. Justin Scheiner, Department of Horticultural Sciences, Texas A&M University, Texas A&M AgriLife Extension, HSFB, 2134 TAMU. College Station, TX 77843. (jscheiner@tamu.edu)

10:15 Coping with Rose Rosette Disease in the Great Plains. Michael A. Schnelle1*, Jennifer D. Olson2, and Jason Griffin3, 1358 Agriculture Hall, Department of Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK 74078, 2127 Noble Research Center, Department of Entomology and Plant Pathology, Oklahoma State University, Stillwater, OK 74078, and 3John C. Pair Horticulture Center, 1901 East 95th Street South, Haysville, KS 67060. (mike.schnelle@okstate.edu)

10:30 Horticultural Practices and the Potential for Disease in Georgia Blueberries. Renée M. Allen1, Phillip M. Brannen2, Harald Scherm2, and D. Scott NeSmith3, 203 S Dixon Street, UGA Extension, University of Georgia, Alma, GA 31510, 2106 Miller Plant Sciences Building, Department of Plant Pathology, Athens, GA 30602, 31109 Experiment Street, Department of Horticulture, University of Georgia, Griffin, GA 30223-1797. (reneemh@uga.edu)

EDUCATION SECTION
Room: City Terrace 5
Presiding: Brian Pearson, Chair
Abstracts: To publish abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair: bpearson@ufl.edu

11:00 High Impact Learning Experiences for Students in the College of Agriculture at Auburn University. Amy N. Wright*. Department of Horticulture, 104A Comer Hall, Auburn University, Auburn, AL 36849. (wrighamatl@auber.edu)
11:15 Digital Portfolio: A Way to Engage Students in Hands-on Learning Activities in Online Course. Bodie V. Pennisi*, Department of Horticulture, 1109 Experiment St., University of Georgia- Griffin, Griffin, GA 30223. (bpennisi@uga.edu)

11:30 Horticulture Student Learning Outcome Assessment at the University of Arkansas: An Update. Garry V. McDonald* and Wayne A. Mackay, Department of Horticulture, 316 Plant Sciences Building, University of Arkansas, Fayetteville, AR 72701. (gmcdonal@uark.edu)

FRUIT CROPS SECTION
Room City Terrace 5
Presiding: Erick Smith, Chair
Abstracts: To publish abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair: ericks@uga.edu

1:00 Evaluation of Ten Strawberry Cultivars for Their Production Potential in Central Alabama. Edgar L. Vinson, III1*, Elina D. Coneva1, James A. Pitts2, and J. Raymond Kessler1. 1101 Funchess Hall, Department of Horticulture, Auburn University, AL 36849. 2 Chilton Research and Extension Center, 120 County Road 756, Clanton, AL 35045. (vinsoed@auburn.edu)

1:15 Evaluation of pre-emergent herbicide applications for plasticiculture strawberry production. Jackie Lee1* and Amanda McWhirt1. 1 2301 S. University, Department of Horticulture, University of Arkansas Cooperative Extension Service, Little Rock, AR 72204. (jalee@uaex.edu)

1:30 Fruit Quality and Performance of Golden Kiwifruit (Actinidia chinensis) Cultivars in Central Alabama. James D. Spiers1*, James A. Pitts2, Ashley Brantley1, Lingbo Xie1, and J. Raymond Kessler1. 1Department of Horticulture, Auburn University, Auburn, Alabama 36849, 2Chilton Research and Extension Center, Clanton, Alabama 35045. (jds0017@auburn.edu)

1:45 Assessing Secondary Bud Fruitfulness of Two Vitis Cultivars Grown on the Texas High Plains: Second Year Update. Thayne Montague*, Edward Hellman, Pierre Helwi, and Emily Graff. Texas AgriLife Research and Extension Center, Lubbock, TX 79403-6603. Department of Plant and Soil Science, Texas Tech University, Lubbock, TX 79409-2122. (thayne.montague@ttu.edu)

2:00 Break

2:15 Low Tunnels Affect Fruit Quality of Organically Managed Strawberries in Field and High tunnels. Tekan Rana*, Amy Ballard, John Beck, John Kimes and Sanjun Gu. Cooperative Extension, North Carolina Agricultural and Technical State University. Greensboro, NC 27420. (tsrana@aggies.ncat.edu)


2:45 Evaluating Novel Hybrid Pierce's Disease Tolerant Winegrape Varieties on Three Training Systems. Rachel A. Itle1*, Fritz A. Westover2, Paula J. Burke3, Cain C. Hickey4, Daniel L. Jackson5, Jason T. Lessl6, and Bruce J. Cross7, 1Department of Horticulture, University of Georgia, 1109 Experiment Street, Griffin, GA 30223, 2Westover Vineyard Advising, 815 West 41st Street, Houston, TX 77018, 3University of Georgia Extension, 900 Newman Road, Carrollton, GA 30117, 4Department of Horticulture, University of Georgia, 200 Hoke Smith Building, Athens GA 30602, 5Agricultural and Environmental Services Laboratories, University of Georgia, 2400 College Station Road, Athens, GA 30602, 6Trillium Vineyard, 1994 Old Bush Mill Road, Bremen, GA 30110. (ritle@uga.edu)

3:00 Comparing the use of tissue culture and rooted cutting plants of ‘MP-29’ rootstock as a starting material for peach budding in the Southeastern US. Dario J. Chavez1*, Tom Beckman2, and Jeff Cook3. 1Department of Horticulture, University of Georgia, Griffin Campus, Griffin, GA 30223, 2 USDA-Agricultural Research Service, Southeastern Fruit and Tree Nut Research Laboratory, Byron, GA 31008; 3 Ivy Street Butler, Taylor County Extension Office, GA 31006. (dchavez@uga.edu)

3:15 Break
3:30 Lack of chill and the use of hydrogen cyanamide applications in peach production in Georgia. Dario J. Chavez1 and Jeff Cook2. 11109 Experiment Street, Department of Horticulture, University of Georgia, Griffin Campus, Griffin, GA 30223; 2 Ivy Street Butler, Taylor County Extension Office, GA 31006. (dchavez@uga.edu)

3:45 Investigating the cause of red blotch disease in Grapevines (Vitis spp) in Oklahoma. Sara Wallace*, J. Olson, F. Ochoa-Corona. Department of Entomology and Plant Pathology, Oklahoma State University, Stillwater, OK 74078. (sara.wallace@okstate.edu)

VEGETABLE CROPS SECTION
Room: City Terrace 4
Presiding: Rick Snyder, Chair
Abstracts: To publish abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair: Rick.Snyder@msstate.edu

1:00 Responses of Sweet Basil to Different DLIs in Photosynthesis, Morphology, Yield, and Nutritional Quality. Haijie Dou1*, Genhua Niu2, and Mengmeng Gu3. 1Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843, 2Texas A&M AgriLife Research and Extension Center at El Paso, 1380 A&M Circle, El Paso, TX 79927, 3Department of Horticultural Sciences, Texas A&M AgriLife Extension Service, College Station, TX 77843. (haijiedou@tamu.edu)

1:15 Influence of Seed Size and Spacing on Turmeric Production. Thomas W. Zimmerman*, University of the Virgin Islands Agricultural Experiment Station, RRR#1 Box 10,000, Kingshill VI 00850. (tzimmer@uvi.edu)

1:30 Evaluation of Production Practices for Tolerance to Cucurbit Leaf Crumple Virus in Yellow Squash and Zucchini. Timothy Coolong1*, Bhabesh Dutta2, Alton Sparks3, and Rajagopal babu Srinivasa4. 1Department of Horticulture, University of Georgia, 2360 Rainwater Road, Tifton, GA 31793, 2Department of Plant Pathology, University of Georgia, 2360 Rainwater Road, Tifton, GA 31793, 3Department of Entomology, University of Georgia, 1109 Experiment St., Griffin, GA. (tcoolong@uga.edu)

1:45 A Comprehensive Economic Analysis of Grafted Tomato Production in High Tunnel and Open Field Systems. Xin Zhao1*, Shengwei Hu2, Craig Frey1, and Zhifeng Gao2. 1Horticultural Sciences Department, 2Food and Resource Economics Department, University of Florida, Gainesville, FL 32611. (zxin@ufl.edu)

2:00 Break

2:15 Chitosan-Based Biostimulant Effects on Sweet Onion Crop. Juan C. Díaz-Pérez1*, Jesús Bautista1, Gunawati Gunawani1, Anthony Bateman1, and Cliff Riner2. 1Colegio de Postgraduados, Campus Montecillo, Texcoco Estado de México C.P. 56230, 2Department of Horticulture, University of Georgia, Tifton GA 31793-5766. (jcdiaz@uga.edu)

2:30 Incidence of blossom-end rot and calcium accumulation during fruit development in bell pepper varieties. Andres Mayorga-Gomez1, Tim Coolong2, 1 Department of Horticulture, University of Georgia, 1111 Plant Sciences Bldg, Athens, GA 30602, 2 Department of Horticulture, University of Georgia, 2360 Rainwater Road, Tifton, GA 31793, (Mayorga@uga.edu)

POSTERS
Room: Conference Center A
Presiding: Amanda McWhirt, Chair
Abstracts: To publish abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair: amcwhirt@uaex.edu

Set-Up: Saturday, 8:00 am – noon
Poster Viewing: Saturday noon to 5:00 pm Sunday 8:00-10:45 am
Authors at their poster: Saturday, 1:00-3:00 pm even numbered posters Saturday, 3:00-5:00 pm odd numbered posters
Take-down: Sunday, 1:00 pm – 3:00 pm

Student Poster Competition
UG = Indicates undergraduate poster titles
G = Indicates graduate poster titles
1) The Auburn University Aquaponics Initiative: Leveraging University Resources to Enhance Teaching and Research. Daniel E. Wells¹, David M. Blersch², Jesse Chappell³, Terry Hanson³, Tung-Shi Huang⁴, and Mollie Smith³. ¹101 Funchess Hall, Department of Horticulture, Auburn University, Auburn, AL 36849; ²203 Corley Building, Biosystems Engineering Department, Auburn University, Auburn, AL 36849; ³203 Swingle Hall, School of Fisheries, Aquaculture, and Aquatic Sciences, Auburn University, Auburn, AL 36849; ⁴260 Lem Morrison Drive, Auburn University, Auburn, AL 36849. (wellsda@auburn.edu)

2) Student Attendance, Reported Study Time, Major and Mid-term Grades as Predictors of Final Course Grades Across Fifteen Years of Undergraduate and Graduate Plant Materials Courses. Michael A. Arnold*. Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843-2133. (ma-arnold@tamu.edu)

3) Using Bluetooth-enabled Sensors to Teach Undergraduate Students about Protected Agriculture. Gerardo H. Nunez*. Horticultural Sciences Department, University of Florida, Gainesville, FL 32611. (g.nunez@ufl.edu)

4) Long-term Effects of Compost on Landscape Soils and Performance of Warm-Season Annuals. Grace Myrick¹, Derald A. Harp¹, Steve George², Todd Williams³, Aimee Sandifeer³, and Shelly Spearman³. ¹School of Agriculture, Texas A&M University – Commerce, Commerce, TX 75429; ²Texas AgriLife Extension Service, Department of Horticultural Sciences, Dallas, TX 75252; ³Rockwall County AgriLife Extension, Rockwall, TX 75087. (derald.harp@tamuc.edu)

5) Integration of Nursery Production and Propagation Learning Experiences in a Multidisciplinary LID Landscape Project Yields Academic and Economic Benefits. Michael A. Arnold¹, Galen Newman², Ming-Han Li², Jun-Hyun Kim², and Kung-Hui Chu³. ¹Texas A&M University, Department of Horticultural Sciences, 2133 TAMU, College Station, TX 77843-2133; ²Department of Landscape Architecture and Urban Planning, 3137 TAMU, Scoates Hall 103, Texas A&M University, College Station, TX 77843-3137; ³Zachry Department of Civil Engineering, 3136 TAMU, Texas A&M University, College Station, TX 77843-3136. (ma-arnold@tamu.edu)

6) Leaf Temperature, Photosynthesis, and Stomatal Conductance in Dark-Foliaged Crape Myrtles in North Texas. Kevin Chretien* and Derald A. Harp. School of Agriculture, Texas A&M University – Commerce, Commerce, TX 75429. (derald.harp@tamuc.edu)

7) Effects of Foliar Compost Tea and Select Application Methods of Auxin on Rooting of Softwood Rose (Rosa ‘Old Blush’ Jacq.) cuttings. Clarissa Gonzalez and Andrew R. King*. Dept. Horticultural Sciences, Texas A&M University, College Station, TX 77843-2133. (aking@tamu.edu)

8) Hardwood Cutting Propagation of ‘Pascagoula’ Crape Myrtle. Patricia R. Knight*, Scott A. Langlois, Eugene K. Blythe, J. Skylar Baldwin, Christine E. Coker, Gary R. Bachman, and James M. DelPrince. Coastal Research and Extension Center, Mississippi State University, Poplarville, MS 39470. (patricia.knight@msstate.edu)

9) Trace Gas Emissions from a Sun and Shade Grown Ornamental Crop. Anna-Marie Murphy¹, Stephen A. Prior², G. Brett Runion², H. Allen Torbert², and Jeff L. Sibley¹. ¹101 Funchess Hall, Department of Horticulture, Auburn University, AL 36849, USDA-ARS National Soil Dynamics Laboratory; ²411 South Donahue Drive, Auburn, AL 36832. (amurphy@auburn.edu)

10) Wood Fiber as a Substrate Component in Vegetative Propagation of Euphorbia pulcherrima. Anna-Marie Murphy*, Glenn B. Fain, J. Raymond Kessler, and Dave Mitchell. 101 Funchess Hall, Department of Horticulture, Auburn University, AL 36849. (amurphy@auburn.edu)
**Fruit Crops**

11) **‘Gumbo’ Southern Highbush Blueberry.**
Stephen J. Stringer*, Arlen D. Draper, Donna A. Shaw, Blair J. Sampson, Hamidou F. Sakhanoko, Ebrahiem Babiker, and John J. Adamczyk, Jr. USDA-ARS Thad Cochran Southern Horticulture Laboratory, Poplarville, MS, 39466. (Stephen.Stringer@ars.usda.gov)

12) **An Efficient Micropropagation Method for Wild Blueberries (Vaccinium spp.) from the Southeastern U.S.**
Diego Espinosa* and Gerardo H. Nunez. Horticultural Sciences Department, University of Florida, Gainesville, FL 32611. (g.nunez@ufl.edu)

13) **Effects of Harvest Date and Select Auxin Concentrations on Callusing and Rooting of Hardwood Muscadine (Vitis rotundifolia Michx.) Cuttings.** Allison E. Bukowski, Justin J. Scheiner, and Andrew R. King*. Dept. Horticultural Sciences, Texas A&M University, College Station, TX 77843-2133. (aking@tamu.edu)

14) **Influence of maturity on physicochemical quality of Genomically Diverse Banana (Musa spp.) Cultivars from Southeastern United States.** Mahnaz Kargar1*, Floyd M. Woods1, Marisa M. Wall2, E. Greg Fonsah3, J. Raymond Kessler1, Kalidas Shetty4, Ramesh B. Jeganathan5 and Nicholas Larsen6. 1Dept. of Horticulture, Auburn University, Auburn, AL 36849; 2USDA-ARS, US Pacific Basin Agricultural Research Center, Hilo, HI 96720; 3Dept. of Agricultural and Applied Economics, University of Georgia, Tifton, GA 31793; 4Dept. of Plant Sciences, North Dakota State University, Fargo, ND 58108; 5Dept. of Nutrition, Dietetics, & Hospitality Management, Auburn University, Auburn, AL 36849; 6University of Florida, Everglades Research & Education Center, Belle Glade, FL 33430. (mzk0049@auburn.edu)

15) **Salt Exclusion and Alkaline Soil Tolerance of Common Muscadine and Rootstock Cultivars.** Daniel Hillin*, George R. McEachern1, Sam Feagley2, Andrew King1, and Justin Schiener1. 12133 TAMU, Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843-2133; 22474 TAMU, Department of Soil and Crop Sciences, Texas A&M University, College Station, TX 77843-2474. (dannyh@tamu.edu)

16) **Measuring Water Stress in Peach Trees: Soil Moisture Vs. Tree Water Movement.**
Amanda Accampo* and Juan Carlos Melgar, Department of Plant and Environmental Sciences, Clemson University, Clemson, SC 29634. (amyates@g.clemson.edu)

17) **Fruit Firmness and Susceptibility to Splitting and Spotted-wing Drosophila on Different Grape Cultivars.** Amir Rezazadeh1, Eric T. Stafne1*, and Blair J. Sampson2. 1MSU Coastal Research and Extension Center, P.O. Box 193, Poplarville, MS 39470; 2USDA-ARS Thad Cochran Southern Horticultural Laboratory, 810 Hwy 26 West, Poplarville, MS 39470. (eric.stafne@msstate.edu)

18) **Using Mobile Application Canopeo© to Assess Cold Stress Damage in Coffee Seedlings (Coffea arabica).**
Mary Dixon* and Gerardo H. Nunez. Horticultural Sciences Department, University of Florida, Gainesville, FL 32611. (g.nunez@ufl.edu)

19) **Optimizing Fertilization Rates for Young Peach Orchards in the Southeastern U.S.** Juan Carlos Melgar*. Department of Plant and Environmental Sciences, Clemson University, Clemson, SC 29634. (jmelgar@clemson.edu)

20) **Size Controlling Rootstocks for Enhanced Sustainability of Apple Production in Alabama.**
Enfeng Xu*, Elina D. Coneva, J. Raymond Kessler, and Edgar L. Vinson. Department of Horticulture, Auburn University, Auburn, Alabama, AL 36849. (ezx0001@auburn.edu)

21) **Do Strawberry Growers Meet Current Recommendations for Spring Plant Tissue Nutrient and Petiole NO3 Concentrations in Arkansas?**
Amanda McWhirt* and Matthew Bean. 2301 S. University, Department of Horticulture, University of Arkansas Cooperative Extension Service, Little Rock, AR 72204. (amcwhirt@uaex.edu)

**Vegetable Crops**

22) **Establishment of Bush Green Beans in the Virgin Islands.**
Imhotep Charles*, Jessica Ewer and Thomas W. Zimmerman. University of the Virgin Islands Agricultural Experiment Station, RR#1 Box 10,000, Kingshill VI 00850. (tzimmer@uvi.edu)
23) A Rapid Approach for Salt Tolerance Evaluation in Cowpea at Seedling Stage. Waltram Ravelombola*, Yuejin Weng, Jun Qin, and Ainong Shi. Department of Horticulture, University of Arkansas, Fayetteville, AR 72701, USA. (ashi@uark.edu)

24G) Thirst Quenching: Improving tomato water-use efficiency through grafting. David H Suchoff1*, Christopher C. Gunter1, Matthew D. Kleinhenz2, Jonathan R. Schultheis1, and Frank J. Louws3,4. 1Department of Horticulture and Crop Science, NC State University, Raleigh, NC 27695; 2Department of Entomology and Plant Pathology, NC State University, Raleigh, NC 27695; 3NSF Center for Integrated Pest Management, NC State University, Raleigh, NC 27695. (dsuchoff@gmail.com)

25G) Interactive Effects of Supplemental UV-B Radiation and Light Intensity on the Growth and Secondary Metabolites Accumulation in Sweet Basil. Haijie Dou1*, Genhua Niu2, and Mengmeng Gu3. 1Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843; 2Texas A&M AgriLife Research and Extension Center at El Paso, 1380 A&M Circle, El Paso, TX 79927; 3Department of Horticultural Sciences, Texas A&M AgriLife Extension Service, College Station, TX 77843. (haijiedou@tamu.edu)

26) Evaluation of Commercially Available Varieties of Yellow Squash and Zucchini for Tolerance to Cucurbit Leaf Crumple Virus in Georgia. Timothy Coolong1,2*, Bhabesh Dutta2, Alton Sparks2, and Rajagopalabu Snivasan4. 1Department of Horticulture, University of Georgia, 2360 Rainwater Road, Tifton, GA 31793; 2Department of Plant Pathology, University of Georgia, 2360 Rainwater Road, Tifton, GA 31793; 3Department of Entomology, University of Georgia, 2360 Rainwater Road, Tifton, GA 31793; 4Department of Entomology, University of Georgia, 1109 Experiment St., Griffin, GA. (tcoolong@uga.edu)

27) Evaluation of spinach (Spinacia oleracea L.) germplasm for use in hydroponic production. Torben Vanhuffel, Hannah Quick* and Michael R. Evans. Department of Horticulture, University of Arkansas System Division of Agriculture, Fayetteville, AR 72701. (mrevans@uark.edu)

28UG) Acclimatizing and Establishment of Sugarcane in the Virgin Islands. Shamoy K. Bideau*, Henry Harris and Thomas W. Zimmerman. University of the Virgin Islands Agricultural Experiment Station, RR#1 Box 10,000, Kingshill VI 00850. (tzimmer@uvi.edu)

29G) Short day onion (Allium cepa) germplasm evaluation for agronomic and disease tolerance in south Texas. Diwas Silwal*, Subas Malla, and Manzeal Khanal. Department of Horticultural Sciences, Texas A&M AgriLife Research and Extension Center, Uvalde, TX 78801. (subas.malla@ag.tamu.edu)

30) Exogenous Applications of Amino Acids Affect the Growth and Concentration of Chlorophyll, Amino acids and Sugars of Jalapeño Pepper (Capsicum annuum L.) Fruit. Víctor García-Gaytán1, Juan C. Díaz-Pérez2*, Jesus Bautista2, Gunawati Gunawani2, Anthony Bateman2, and Fernando Carlos Gómez-Merino3. 1Colegio de Postgraduados, Campus Montecillo, Texcoco, Edo. de México 56230, México; 2Department of Horticulture, University of Georgia, Tifton, GA 31793-5766; 3Colegio de Postgraduados, Campus Córdoba, Veracruz 94946, México. (jcdiaz@uga.edu)


32) Improving Peppers for Fruit Quality Traits: Milestones in a Project Designed to Facilitate Active Learning in Crop Breeding. Bala Rathinasabapathi*. Horticultural Sciences Department, University of Florida, Gainesville, FL 32611-0690. (brath@ufl.edu)

33G) Evaluation of Drought Tolerance in Cowpea at Seedling Stage. Waltram Ravelombola, Jun Qin, Yuejin Weng, Gehendra Bhattarai, and Ainong Shi. Department of Horticulture, University of Arkansas, Fayetteville, AR 72701, USA. (ashi@uark.edu)
Horticulture

34G) Germination-trait selection for drought tolerance in Solanum pennellii introgression lines. Flavia M. Alves1*, Henika P. Pessoa1, Mariane G. Ferreira1, Igor O. Pontelo1, Felipe de Oliveira Dias1, Daniel I. Leskovar2, Laercio J. da Silva1, Carlos Nick1. 1Departamento de Fitotecnia, Universidade Federal de Viçosa, Campus Viçosa, Viçosa, MG 36570-000, Brazil; 2Texas A&M AgriLife Research, Texas A&M University, Uvalde, TX 78801.
*(flaviamarialves@gmail.com)

35) Mapping Quantitative Trait Loci for Iron Chlorosis Tolerance in Cowpea (Vigna unguiculata). Manzeal Khanal1, Subas Malla1*, Homa Zarghami2, Dirk Hays2, B.B. Singh2 and Hongbin Zhang2. 1Department of Horticultural Sciences, Texas A&M AgriLife Research and Extension Center, Uvalde, TX 78801; 2Department of Soil and Crop Sciences, Texas A&M University, College Station, TX 77843.
*(subas.malla@ag.tamu.edu)

36UG) Creating a Unique Tomato Plant by Grafting Multiple Scions onto One Rootstock. Veronica Laux* and Xin Zhao. Horticultural Sciences Department, University of Florida, Gainesville, FL 32611.
*(zxin@ufl.edu)

37) Phenomics of Cowpea at Seedling Stage under Salt Stress. Waltram Ravelombola*, Yuejin Weng, Jun Qin, and Ainong Shi. Department of Horticulture, 316 PTSC, University of Arkansas, Fayetteville, AR 72701, USA.
*(ashi@uark.edu)

38G) Application of Genomic Selection on Anthracnose Resistance in Texas A&M's Watermelon Breeding Program. Edgar Correa1*, Subas Malla2, Manzeal Khanal2, Kevin Crosby1, and Carlos Avila1. 1Dept. of Horticulture, Texas A&M University, College Station, TX 77843; 2Texas A&M AgriLife Research & Extension Center, Uvalde, TX 78801; 3Texas A&M AgriLife Research & Extension Center, Weslaco, TX 78596.
*(edxcorr@tamu.edu)

39G) Assessment of Cucurbita Rootstocks for Improving Tolerance of Grafted Seedless Watermelon Seedlings to Chilling Stress. Sylvia Willis* and Xin Zhao. Horticultural Sciences Department, University of Florida, Gainesville, FL 32611.
*(zxin@ufl.edu)

40) Phytotoxicity of Mustard Meal Applications on Weeds and Squash (Cucurbita pepo L.) Establishment. Charles L. Webber III1*, Paul M. White Jr. 1, Rick A. Boydstun2, and James W. Shreffler3. 1USDA-ARS Sugarcane Research Unit, 5883 USDA Rd., Houma, LA 70360; 2USDA-ARS Grain Legume Genetics Physiology Research, 24106 N. Bunn Rd., Prosser, WA 99350; 3Oklahoma Cooperative Extension, P.O. Box 749, Durant, OK 74702.
*(Chuck.Webber@ars.usda.gov)

41) Screening diverse potato germplasm for resistance to Zebra Chip disease. Samuel Vigue1 *, M. Isabel Vales1, Cecilia Tamborindeguy2, J.R. Creighton Miller1, Douglas Scheuring1, Angel Chappell1. 1Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843; 2Department of Entomology, Texas A&M University, College Station, TX 77843.
*(svigue@tamu.edu)

42) Spring and fall production of Brussels sprouts under rowcover in Virginia. Tej Acharya, Greg Welbaum, Mark Reiter, and Ramón Arancibia*. School of Plant and Environmental Sciences, Virginia Tech, Blacksburg, VA 24061.
*(raran@vt.edu)

*(Chuck.Webber@ars.usda.gov)

*(krupek@ufl.edu)

*(hhammoc1@vols.utk.edu)
46) **Sweetpotato Variety Evaluation in Georgia.** Timothy Coolong, George Boyhan, Cecilia McGregor, Cliff Riner, Jason Edenfield, Aubrey Shirley, Chris Tyson, and Chris Earls. 1Department of Horticulture, University of Georgia, 2360 Rainwater Road, Tifton, GA 31793; 2Department of Horticulture, University of Georgia, 1111 Miller Plant Sciences, Athens, GA 30602; 3Vidalia Onion and Vegetable Research Center, 8163 Hwy 178, Lyons, GA 30436; 4Toombs County Extension Service, 200 Courthouse Square, Lyons, GA 30436; 5Tattnall County Extension Service, 200 S. Main St., Reidsville, GA 30453; 6Candler County Extension Service, 1075 E. Hiawatha St., Metter, GA 30439. (tcoolong@uga.edu)

47) **Watermelon Germplasm Evaluation for Yield and Its Components in South Texas.** Edgar Correa, Subas Malla, Manzeal Khanal, Kevin Crosby, and Carlos Avila. 1Dept. of Horticulture, Texas A&M University, College Station, TX 77843; 2Texas A&M AgriLife Research & Extension Center, Uvalde, TX 78801; 3Texas A&M AgriLife Research & Extension Center, Weslaco, TX 78596. (edxcorr@tamu.edu)

48) **Grape Tomato Production and Consumer Perceptions.** Christine E.H. Coker and Patti Coggins. 1Mississippi State University, Coastal Research and Extension Center, 1815 Popps Ferry Road, Biloxi, MS 39532; 2Alabama A&M University, Department of Food and Animal Sciences, Normal, AL 35762. (christine.coker@msstate.edu)

**Post-Harvest**

49G) **Evaluation of Red Drupelet Reversion in Blackberries using High-Throughput Digital Image Analysis.** Bethany M. Sebesta, Margaret L. Worthington, Renee Threlfall, and John R. Clark. 1316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72704; 2650 N. Young Avenue, Food Science Department, University of Arkansas, Fayetteville, AR 72704. (bsebesta@uark.edu)

50UG) **Impact of Sweetness and Sourness on Sensory of Fresh-Market Blackberries.** Aubrey N. Dunteman, Renee T. Threlfall, and John R. Clark. 12650 N. Young Avenue, Food Science Department, University of Arkansas, Fayetteville, AR 72704; 2316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701. (anduntem@email.uark.edu)

51) **Effects of High Tunnel Production on Postharvest Marketability of Arkansas Table Grapes.** Molly Felts, Renee T. Threlfall, John R. Clark, and M. Elena Garcia. 12650 N. Young Avenue, Food Science Department, University of Arkansas, Fayetteville, AR 72704; 2316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701. (mretherf@email.uark.edu)

52) **Flavor Volatiles in Southern Highbush and Rabbiteye Blueberry Varieties.** Rachel A. Itle, Koushik Adhikari, and D. Scott NeSmith. 1Department of Horticulture, University of Georgia, 1109 Experiment Street, Griffin, GA 30223; 2Department of Food Science & Technology, University of Georgia, 1109 Experiment Street, Griffin, GA 30223. (ritle@uga.edu)

53) **Black Raspberry in North Carolina: Shelf life and composition.** P. Perkins-Veazie, G. Fernandez, and G. Ma. 1Plants for Human Health Institute, Department of Horticultural Science, North Carolina State University, Kannapolis NC 28081; 2Department of Horticultural Science, NCSU, Raleigh, NC 27695. (penelope_perkins@ncsu.edu)

54UG) **Impact of Flesh-type on Ripeness Attributes of Peaches and Nectarines during Postharvest Storage.** Mary C. Siebenmorgen, Renee T. Threlfall, and Margaret L. Worthington. 12650 N. Young Avenue, Food Science Department, University of Arkansas, Fayetteville, AR 72704; 2316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701. (mcsieben@email.uark.edu)

55G) **Postharvest Marketability of Arkansas Fresh-market Blackberries Harvested at 7:00AM and 12:00PM.** Molly Felts, Renee T. Threlfall, and John R. Clark. 12650 N. Young Avenue, Food Science Department, University of Arkansas, Fayetteville, AR 72704; 2316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701. (mretherf@email.uark.edu)

57) Allelopathic Impact of Sugarcane Field Residue and Root Leachates on Weed Seed Germination. Charles L. Webber III1*, Paul M. White Jr. 1, Derek S. Landrum2, Douglas J. Spaunhorst3, Darcey G. Wayment4, and Emmanuel Dorvil5. 1USDA-ARS Sugarcane Research Unit, 5883 USDA Rd., Houma, LA 70360; 2LSU AgCenter, Orleans Parish, 1300 Perdido St., New Orleans, LA 70112; 3Nicholls State Univ., 901 East 1st St., Thibodaux, LA 70301; 4Central State University, 1400 Brush Row Rd., Wilberforce, OH 45384. (Chuck.Webber@ars.usda.gov)

58G) Efficacy of saponin mitigation of E. coli under nonsterile and sterile conditions. Nathan J. Eylands1*, Angela Shaw2, Michael R. Evans1. 1316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701; 22313 Food Sciences Building, Department of Food Science and Human Nutrition, Iowa State University, Ames, IA 50011. (njeyland@uark.edu)

59) The Effect of Shade Cloth Color on Greenhouse Cooling Efficiency. Jeremy M. Pickens*, Daniel E. Wells, J. Raymond Kessler and Jeff L. Sibley, Department of Horticulture, 101 Funchess Hall, Auburn University, AL 36849 (pickejm@auburn.edu)

Sunday, February 4, 2018

ACB BUSINESS MEETING
Room: Grand Ballroom Section 6
Time: 9:00 – 10:45
Presiding: Preston Smith, President

ANNUAL BUSINESS MEETING AND AWARDS PROGRAM
Room: Grand Ballroom Section 6
Time: 11:00 – 12:30
Presiding: Tim Davis, President

POSTER VIEWING & TAKE-DOWN
Room: Conference Center A
Presiding: Amanda McWhirt, Chair
Abstracts: To publish abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair: amcwhirt@uaex.edu
Poster Viewing: Sunday 8:00-10:45
Poster Take-down: Sunday, 1:00 – 3:00

SECTION TITLES

VEGETABLE CROPS SECTION
Room: City Terrace 9
Presiding: Rick Snyder, Chair
Abstracts: To publish abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair: Rick.Snyder@msstate.edu
8:00 Preharvest and postharvest effects on internal necrosis incidence and severity in ‘Covington’ sweetpotato. Fernando Montero de Espinosa*, and Jonathan R. Schultheis. 1North Carolina State University, Department of Horticultural Science, 2721 Founders Drive, Raleigh, NC 27695-7609 (fmonter@ncsu.edu)
8:15 Yield Performance of Organic Vegetables Grown in ‘Drip Organics’ Vertigro System. Dilip Nandwani*, Sochinwechi Nwosisi and Saidullah Chowdary. Department of Agriculture and Environmental Sciences, College of Agriculture, Tennessee State University, Nashville, TN 37209 (dnandwan@tnstate.edu)
8:30 Greenhouse Environment and Electroconductivity Impacts Lettuce (Lactuca sativa L.) Biomass and Phenolic Content. William L. Sublett* and T. Casey Barickman, Department of Plant and Soil Science, Mississippi State University, North Mississippi Research and Extension Center, Verona, MS 38879. (t.c.barickman@msstate.edu)
8:45 Effects of Nutrient Solution Temperature on Growth of Greenhouse-Grown Lettuce (Lactuca sativa L.). Daniel E. Wells* and Jeremy M. Pickens. 101 Funchess Hall, Department of Horticulture, Auburn University, Auburn, AL 36849. (welldsa@auburn.edu)
9:00 Break
9:15 Impact of different wavelengths of blue light from LEDs on biomass and water soluble carbohydrates in ‘Red Sails’ lettuce (Lactuca sativa) microgreens. Dean A. Kopsell*, Carl E. Sams, and Rosalie M. Metallo. Plant Sciences Department, The University of Tennessee, Knoxville, TN 37996. (dean.kopsell@ufl.edu)


8:00 Container Trial of 150 Azalea (Rhododendron spp.) Cultivars to Assess Insect Tolerance and Bloom Characteristics in a Production Environment. Matthew Chappell1*, Geoffrey M. Weaver1, Brian Jernigan2, and Mike McCorkle2, 1University of Georgia, 1111 Miller Plant Science Building, Athens, GA, 30602, 2Center for Applied Nursery Research, 4904 Luckey’s Bridge Rd SE, Dearing, GA, 30808. (hortprod@uga.edu)

8:15 Louisiana Consumer Demands and Willingness to Pay for US-grown Tea Products. Yan Chen1, Kathryn Fontenot2, Jeff Beasley2, and Jeff Kuehny3.1LSU AgCenter Hammond Research Station, 2School of Plant, Environment, and Soil Sciences, 3Burden Botanic Gardens. (yachen@agcenter.lsu.edu)
10:15 Nitrogen speciation in two constructed wetlands treating nursery irrigation runoff. Sarah A. White. Department of Plant and Environmental Sciences, Clemson University, E-143 Poole Ag Center, Clemson, SC 29634. (swhite4@clemson.edu)

8:00 Kiwifruit Evaluation in Texas. David Creech¹*, and Tim Hartmann², ¹SFA Gardens, 2900 Raguet St., Stephen F. Austin State University, Nacogdoches, TX 75962, ²Department of Horticultural Sciences, Texas A & M University, College Station, Texas 77843. (doreech@sfasu.edu)

8:15 A High-Throughput SNP Genotyping Platform for Marker-Assisted Breeding in Strawberry (Fragaria ×ananassa). Seonghee Lee, Young-Hee Noh, Jozzer Mangandi, Jack Roach, Sujeet Verma and Vance M. Whitaker., Department of Horticultural Science, IFAS Gulf Coast Research and Education Center, University of Florida, 14625 County Road 672, Wimuama, FL 33598. (seonghee105@ufl.edu)

8:30 Genetic control of berry color in muscadine grapes (Vitis rotundifolia). Margaret Worthington*, Aruna Varanasi, Jennifer Lewter, and John R. Clark. 316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701. (mlworthi@uark.edu)

8:45 A new white nectarine release from the University of Arkansas fruit breeding program. Margaret Worthington* and John R. Clark. 316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701. (mlworthi@uark.edu)

9:00 Understanding Armillaria Root Rot Tolerance/Resistance in Prunus. Ksenija Gasic*, Goran Barac, Chris Saski, Guido Schnabel and Gregory Reighard, Clemson University, Dep. Plant and Environmental Science, Clemson, SC. (kgasic@clemson.edu)

9:15 Impact of Rootstock on Growth and Fruit Composition of ‘Blanc Du Bois’ Grapes. Justin J. Scheiner¹* and Jim Kamas², Department of Horticultural Sciences, ¹Texas A&M AgriLife Extension Service, HSFB, 2134 TAMU, College Station, TX 77843 and ²Viticulture and Fruit Lab, 259 Business Ct., Fredericksburg, TX 78624. (jscheiner@tamu.edu)

9:30 Using an Online Survey to Characterize Consumer Opinions of Fresh-market Blackberries. Renee T. Threlfall¹*, Aubrey N. Dunteman¹, and John R. Clark², ¹2650 N. Young Avenue, Food Science Department, University of Arkansas, Fayetteville, AR 72704, ²316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701. (rthrelf@uark.edu)

9:45 Effect of Warm Temperature Interruption on Winter Chilling Accumulation and Evaluation of Kiwifruit (Actinidia chinensis Planch. and A. deliciosa A. Chev.) Performance on Alkaline Soils. Tim Hartmann¹*, David Creech², Larry Stein³, Fred Davies¹, Sam Feagley¹, James Spiers⁶, and Justin Scheiner¹ ¹Department of Horticultural Sciences, Texas A & M University, College Station, Texas 77843 ²SFA Gardens, Stephen F. Austin State University, Nacogdoches, TX 75962, ³Department of Horticultural Sciences, Texas A&M University, Uvalde, TX 78802, ⁴Department of Soil and Crop Sciences, Texas A&M University, College Station, TX 77843, ⁵Department of Horticulture, Auburn University, Auburn, AL 36849 (t-hartmann@tamu.edu)

9:45 A new white nectarine release from the University of Arkansas fruit breeding program. Margaret Worthington* and John R. Clark. 316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701. (mlworthi@uark.edu)

9:15 Break
8:00 Genetic relatedness among squash accessions varying in oil, protein and fatty acid composition. Geoffrey Meru1*, Yuqing Fu1, Dayana Leyva1, Paul Samoski2 and Yavuz Yagiz2. 1Horticultural Sciences Department and Tropical Research and Education Center, University of Florida, 18905 SW 280th St., Homestead, FL 33031, 2Department of Food Science and Human Nutrition, University of Florida, 572 Newell Dr.

8:15 Quality and composition of night-harvested blackberries...1Perkins-Veazie, P., 2G. Fernandez, G. Ma. 1PHHI, Department of Horticultural Science, NCSU, Kannapolis NC; 2Department of Horticultural Science, NCSU, Raleigh, NC.

8:30 Butternut squash in the south: postharvest quality after curing. 1Perkins-Veazie, P., 2T. Birdsell, 3J. Schultheis, 1G. Ma. 1PHHI, Department of Horticultural Science, NCSU, Kannapolis NC; 2NC Cooperative Extension Service, Jefferson, NC; 3Department of Horticultural Science, NCSU, Raleigh, NC.

8:45 Enzymatic Browning of Six Banana (Musa spp.) Cultivars during Ripening in the Southeastern United States. Mahnaz Kargar1*, Floyd M. Woods1, Marisa M. Wall2, E. Greg Fonsah3, J. Raymond Kessler3, Kalidas Shetty4, Ramesh B. Jeganathan5 and Nicholas Larsen6. 1Dept. of Horticulture, Auburn University, Auburn, AL 36849; 2USDA-ARS, US Pacific Basin Agricultural Research Center, Hilo, HI 96720; 3Dept. of Agricultural and Applied Economics, University of Georgia, Tifton, GA 31793; 4Dept. of Plant Sciences, North Dakota State University, Fargo, ND 58108; 5Dept. of Nutrition, Dietetics, & Hospitality Management, Auburn University, Auburn, AL 36849; 6University of Florida, Everglades Research & Education Center, Belle Glade, FL 33430. (mzk0049@auburn.edu).

9:00 Genetic diversity among accessions of Cucurbita pepo resistant to Phytophthora crown rot. Vincent M Njung’e*, Pamela Moon and Geoffrey Meru, Horticultural Sciences Department and Tropical Research and Education Center, University of Florida, 18905 SW 280th St., Homestead, FL 33031. (michaelvn@ufl.edu).

9:15 Break

9:30 Genetic Diversity and Genome-wide Association Study in Spinach. Ainong Shi(1), Jun Qin(1), Yuejin Weng(1), Gehendra Bhattarai(1), Waltram Ravelombola(1), Bazgha Zia(1), Wei Zhou(1), Jim Correll(2), and Beiquan Mou(3). (1)Department of Horticulture, University of Arkansas, Fayetteville, AR 72701, USA; (2) Department of Plant Pathology, University of Arkansas, Fayetteville, AR 72701, USA; and (3) Crop Improvement and Protection Research Unit, US Department of Agriculture, Agricultural Research Service (USDA-ARS), 1636 E. Alisal Street, Salinas, CA 93905, USA.

9:45 A SNP-Based Association Analysis for Plant Growth Habit in Worldwide Cowpea (Vigna unguiculata (L.) Walp) Germplasm. Waltram Ravelombola (1), Jun Qin (1), Ainong Shi (1), Yuejin Weng (1), Gehendra Bhattarai (1), Lingdi Dong, and J. Bradley Morris. (1)Department of Horticulture, 316 PTSC, University of Arkansas, Fayetteville, AR 72701, USA, and (2) Plant Genetic Resources Conservation Unit, USDA, 1109 Experiment St., Griffin, GA 30223, USA.

10:00 Study on Photoperiodism in Spinach (Spinacia oleracea L.). Yuejin Weng, Jun Qin, Gehendra Bhattarai, Waltram Ravelombola, Bazgha Zia, Wei Zhou, and Ainong Shi, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701, USA.
10:15 Enzymatic Browning of Genomically Diverse Banana (Musa spp.) Cultivars During Postharvest Storage. Mahnaz Kargar1*, Floyd M. Woods1, Marisa M. Wall2, E. Greg Fonsah3, J. Raymond Kessler1, Kalidas Shetty4, Ramesh B. Jeganathan5 and Nicholas Larsen6. 1Dept. of Horticulture, Auburn University, Auburn, AL 36849; 2USDA-ARS, US Pacific Basin Agricultural Research Center, Hilo, HI 96720; 3Dept. of Agricultural and Applied Economics, University of Georgia, Tifton, GA 31793; 4Dept. of Plant Sciences, North Dakota State University, Fargo, ND 58108; 5Dept. of Nutrition, Dietetics, & Hospitality Management, Auburn University, Auburn, AL 36849; 6University of Florida, Everglades Research & Education Center, Belle Glade, FL 33430. (mzk0049@auburn.edu).

ANNUAL BUSINESS MEETING AND AWARDS PROGRAM
Room: Grand Ballroom Section 6
Time: 11:00 – 12:30
Presiding: Tim Davis, President

SAAS Meetings
Board Meeting
Room: Grand Ballroom Section 6
Time: 2:15 PM–3:15 PM

General Business Meeting
Room: Grand Ballroom Section 6
Time: 4:00 PM–4:15 PM

SAAS Social/Super Bowl Party
Mavericks Live at Jackson Landing
Time: 5:00P M – until

WORKING GROUPS
(Contact Chairs for Agenda and order of presentations if not given)

Watermelon Research Group
Presiding: Jerome Bernier, Chair
Friday: 1:00 pm – 6:00 pm
Saturday: 8:00 am - 6:00 pm
Room: River Terrace 3
Abstracts: To publish abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair: jerome.bernier@monsanto.com

See agenda for order of presentations

2017 Watermelon Variety Evaluation in Georgia. Timothy Coolong*, Department of Horticulture, University of Georgia, 2360 Rainwater Road, Tifton, GA 31793. (tcoolong@uga.edu)

Standard size watermelon cultivar yield and quality results, North Carolina, 2017. Jonathan R. Schultheis* and Keith D. Starke. North Carolina State University, Department of Horticultural Science, 2721 Founders Drive, Raleigh, NC 29696-7609. (jonr@ncsu.edu)

Mini watermelon cultivar yield and quality results, North Carolina, 2017. Keith D. Starke* and Jonathan R. Schultheis. North Carolina State University, Department of Horticultural Science, 2721 Founders Drive, Raleigh, NC 29696-7609. (jonr@ncsu.edu)

Tripled Watermelon Variety Trials in Southwest Indiana, 2017. Wenjing Guan*, Daniel Egel, Dennis Nowaskie and Alex Plummer, Southwest Purdue Agricultural Center, Vincennes, IN, 47591. (guan40@purdue.edu)

Watermelon and Melon Production in Myanmar. Timothy Coolong”, 1Department of Horticulture, University of Georgia, 2360 Rainwater Road, Tifton, GA 31793. (tcoolong@uga.edu)

Pollenizer placement considerations effects on watermelon (Citrullus lanatus) yield and quality over two growing seasons. Jonathan R. Schultheis* and Keith D. Starke. North Carolina State University, Department of Horticultural Science, 2721 Founders Drive, Raleigh, NC 29696-7609. (jonr@ncsu.edu)

Watermelon Breeding at Texas A&M – A Molecular Approach. Subas Malla*. Department of Horticultural Sciences, Texas A&M AgriLife Research and Extension Center, Uvalde, TX 78801. (subas.malla@ag.tamu.edu)

How Sweet is Your Brix? Leigh Ann Fall1, Penny Perkins-Veazie2, and Cecilia E. McGregor1*, 1Department of Horticulture, University of Georgia, 1111 Miller Plant Science Bldg., Athens, GA 30602, 2Horticultural Science, North Carolina State University, 600 Laureate Way, Kannapolis, NC 28081. (cmcgre1@uga.edu)

Update from NWA. Bob Morrissey*, Executive Director, National Watermelon Association. 190 Fitzgerald Road, Suite 3, Lakeland, FL 33813 (bobm@nwawatermelon.com)
Hollow heart formation in grafted and non-grafted watermelon. Marlee A Trandel*, Dr. Penelope Perkins-Veazie, Dr. Jonathan Schultheis, Dr. Chris Gunter and Dr. Eva Johannes. North Carolina State University, Department of Horticultural Science, 2721 Founders Drive, 264 Kilgore, Raleigh, NC 27695-7609. (matrande@nscu.edu)

Metabolic and molecular regulation of citrulline biosynthesis in watermelon. Vijay Joshi*. Texas AgriLife Research, Texas A&M system. 1619 Garner Field Rd, Uvalde, Texas 78801. (Vijay.Joshi@tamu.edu)

Vigna Crop Germplasm Committee
Presiding: Blair Buckley, Chair
Saturday: 9:00 am – 12:00 pm
Room: City Terrace 9
Abstracts: To publish abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair: bbuckley@agctr.lsu.edu

Evaluation of Soluble Sugar Content in Cowpea Seeds. Yuejin Weng, Jun Qin, Waltram Ravelombola, Gehendra Bhattarai, Lingdi Dong, Wei Yang, and Ainong Shi. Department of Horticulture, 316 PTSC, University of Arkansas, Fayetteville, AR 72701, USA.

Genetic Diversity, Population Structure and Genome-wide Association Study in Cowpea. Ainong Shi1*, Jun Qin1, Beiquan Mou2, Yuejin Weng1, Waltram Ravelombola1, Haizheng Xiong1, and Gehendra Bhattarai1, 1Department of Horticulture, 316 PTSC, University of Arkansas, Fayetteville, AR 72701, 2Crop Improvement and Protection Research Unit, US Department of Agriculture, Agricultural Research Service (USDA-ARS), 1636 E. Alisal Street, Salinas, CA 93905. (ash@uark.edu)

A Rapid Approach for Salt Tolerance Evaluation in Cowpea at Seedling Stage. Waltram Ravelombola*, Yuejin Weng, Jun Qin, and Ainong Shi, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701. (wravelom@email.uark.edu)

Phenomics of Cowpea at Seedling Stage under Salt Stress. Waltram Ravelombola*, Yuejin Weng, Jun Qin, and Ainong Shi, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701. (wravelom@email.uark.edu)

See agenda for order of presentations

Southern Fruit Workers
Presiding: Rachel Itle (ritle@uga.edu)
Friday: 9:00 am – 4:00 pm
Room: City Terrace 5

Horticulture Administrators
Presiding: Janet Cole, Chair (janet.cole@okstate.edu)
Friday: 1:00 pm – 5:00 pm
Room: Boardroom 1
Southern Rural Sociological Association
49th Annual Meeting

Pursuing the New Sustainable South:
Rural Sociology in a Changing Era

Jacksonville, FL
February 2-6, 2018

Concurrent with Southern Association of Agricultural Scientists (SAAS)

Program at a Glance

Abbreviations
Organizations
Southern Association of Agricultural Scientists: SAAS
Southern Rural Sociological Association: SRSA

Sunday, February 4, 2018
7:45 am – 3:30 pm, Third Floor Skybridge: Registration
8:00 am – 9:00 am, Daytona: SRSA Executive Committee
9:15 am – 10:30 am, Daytona: Session 1 – Family, Well-being, and Sustainability
10:45 am – 11:30 am, Daytona: Session 2 – Economic Education and Practices
11:30 am – 1:00 pm, Lunch (on your own)
1:00 pm – 2:15 pm, Orlando: Session 3 – Livestock Systems
1:00 pm – 2:15 pm, Daytona: Session 4 – Community Engagement and Social Capital
2:30 pm – 3:45 pm, Daytona: Session 5 – Food Systems: Issues and Perspectives
2:30 pm – 3:30 pm, Grand Ballroom Section 6: SAAS Board Meeting
4:00 pm – 5:00 pm, Grand Ballroom Section 6: SAAS General Business Meeting
5:00 pm, Mavericks Live at Jackson Landing: SAAS Social/Super Bowl Party

Monday, February 5, 2018
7:45 am – 3:00 pm, Third Floor Skybridge: Registration
8:15 am – 9:30 am, Orlando: Session 6 – Issues in Social Organizations
8:15 am – 9:30 am, Daytona: Session 7 – Food Security and Nutrition
9:30 am – 10:45 am, Orlando: Session 8 – Rural Community, Inequality and Development
9:30 am – 10:45 am, Daytona: Panel – Opportunities, Challenges, and Strategies for the Evaluation of Large-Scale Multidisciplinary Projects
11:30 am – 1:00 pm, Grand Ballroom Section 7: SRSA Awards Luncheon
1:15 pm – 2:30 pm, Orlando: Session 9 – Methods and Assessment in Social Science Research
1:15 pm – 2:30 pm, Daytona: Session 10 – Environment and Natural Resources
2:45 pm – 3:45 pm, Conference Center A: Poster Session
3:45 pm – 4:45 pm, Daytona: SRSA Business Meeting (all attendees encouraged to attend)
4:45 pm – 5:30 pm, Daytona: SRSA Executive Council Meeting
5:30 pm: SRSA Presidential Reception

Detailed Program

Sunday, February 4, 2018
7:45 am – 3:00 pm, Third Floor Skybridge: Registration
8:00 am – 9:00 am, Daytona: SRSA Executive Committee
9:15 am – 10:30 am, Daytona: Session 1 – Family, Well-being, and Sustainability

Moderator: John J. Green (University of Mississippi)

Factors Influencing Breastfeeding for Mothers in the Mississippi Delta Region
Caroline Canarios (University of Mississippi), David Allen (University of Mississippi), John J. Green (University of Mississippi), Sannie Snell (Women and Children’s Health Initiatives), and Mobolaji Famuyide (University of Mississippi)

An Evaluation of a Youth Camp Program’s Impact on Parents’ Perceptions of Sustainability and Family Engagement
Emily Cabrera, Jessica A. Holt, Nick Fuhrman, and Eric Rubenstein (University of Georgia)

The Effects of Extended Families and Kin on the Nutrition of Children Five and Under in Rwanda
Aramide Kazeem (University of West Georgia) and John M. Musalia (Western Kentucky University)

10:45 am – 11:30 am, Daytona: Session 2 – Economic, Education and Practices

Moderator: Benjamin Morris (University of Florida)

Need for Personal Finance Management Education in Rural Communities: Role of Cooperative Extension
Lila B. Karki, Janet Sullen, Ntam Baharanyi, Uma Karki, David Nii O. Tackie, and Raymon Shange (Tuskegee University)

Best Management Practices for Communicating Issues to Policy Makers to Ensure the Success of Rural and Agricultural Communities
Benjamin Morris (University of Florida)

Factors Influencing Financial Decisions and Spending Behavior: A Case of School Teachers in the Black Belt Alabama
Lila B. Karki, Janet Sullen, Ntam Baharanyi, Uma Karki, David Nii O. Tackie, and Raymon Shange (Tuskegee University)

1:00 pm – 2:15 pm, Orlando: Session 3 – Livestock Systems

Moderator: Lila B. Karki (Tuskegee University)

The Impact of Meat Attributes on the Willingness of Georgia Consumers to Pay for Locally or Regionally Produced Livestock Products
Sheila M. De-heer, David N.O. Tackie, Jannette R. Bartlett, Youssouf Diabate, and Akua Adu-Gyamfi (Tuskegee University)

Economic and Marketing Practices of Selected Georgia Small Livestock Producers
David N.O. Tackie, Akua Adu-Gyamfi, Jannette R. Bartlett, Sheila De-heer, and Nicole Nunoo (Tuskegee University)

Sustaining the Goat Industry in Tennessee: Can the Internet Extend the Marketing Function for Producers?
Enefiok Ekanem, Mary Mafuyai, and Mikhail Miller (Tennessee State University)

Production and Processing Characteristics and Practices of Selected Georgia Small Livestock Producers
David N.O. Tackie, Dana Reid, Jannette R. Bartlett, Akua Adu-Gyamfi, and Bridget J. Perry (Tuskegee University)

1:00 pm – 2:15 pm, Daytona: Session 4 – Community Engagement and Social Capital

Moderator: Douglas H. Constance (Sam Houston State University)

The Role of Social Capital in Achieving Successful Development and Longevity of Community Gardens in Florida
Karissa Raymond, Paul Monaghan, John Diaz, and Alison Adams (University of Florida)

Breakfast at McDonald’s: Building Social Capital in Small Towns
John L. Verburg (Talladega College)

New Generation of Rural Leaders? Community Engagement of Young Adults with a University Education Living in Rural Areas in Poland
Ilona Matysiak (Maria Grzegorzewska University)
2:30 pm - 3:45 pm, Daytona: Session 5 – Food Systems: Issues and Perspectives

Moderator: Jin Young Choi (Sam Houston State University)

Determining the 10 Most-Pressing Issues Facing Local Food Systems in the Southern Region
Quisto Settle (Oklahoma State University), Carley C. Morrison (Mississippi State University), Liz Felter (University of Florida), and Jennifer Taylor (Florida A&M University)

Marketing Strategies Based on Shared Values: Farmers’ Experiences with and Perspectives on Value Based Supply Chains Preliminary Farmer Survey Results
Keiko Tanaka (University of Kentucky), Hikaru Peterson (University of Minnesota), Marcia Ostrom (Washington State University), Gail Feenstra (University of California-Davis), and Christy Anderson Brekken (Oregon State University)

Exploring the Relationships between Local Agrifood System Resilience and Multiple Measures of Development in the Southern United States
John J. Green (University of Mississippi), Jim Worstell (Delta Land and Community, Inc), Caroline Canarios (University of Mississippi), Rachel Haggard (University of Mississippi), Katrina Alford (University of Mississippi), and Sydney Bush (University of Mississippi)

Marshallese Islanders and Poultry Processing
Jin Young Choi (Sam Houston State University), Douglas H. Constance (Sam Houston State University), and Jee Young Choi (University of Texas-Houston)

2:30 pm – 3:30 pm, Grand Ballroom Section 6: SAAS Board Meeting

4:00 pm – 5:00 pm, Grand Ballroom Section 6: SAAS General Business Meeting

5:00 pm – Mavericks Live at Jackson Landing: SAAS Social/Super Bowl Party

Monday, February 5, 2018

7:45 am – 3:00 pm, Third Floor Skybridge: Registration
Challenges of Low-Income Rural Mothers
Sustaining Family Wellbeing
Patricia Hyjer Dyk and Emily Rodes
(University of Kentucky)

9:30 am – 10:45 am, Orlando: Session 8 – Rural Community, Inequality and Development
Moderator: Douglas H. Constance (Sam Houston State University)

Motivation of Regrowth
Laura Rogers (Kentucky State University)

1890s Role of Building Resiliency of Small and Limited Resource Farmers
S. Janine Parker (North Carolina A&T State University) and Courtney T. Owens
(Kentucky State University)

Development and Inequality in Developing Countries: An Overview of Policies, Trends and Impacts in Ghana
Patrick Tandoh-Offin (Ghana Institute of Management and Public Administration)

Feminization of Poverty, Rural, and Agricultural Underdevelopment in Nigeria: Implications for Sustainable Development in the Niger Delta Region
Chioma Joseph-Obi (University of Portharcourt)

9:30 am – 10:45 am, Daytona: Panel – Opportunities, Challenges, and Strategies for the Evaluation of Large-Scale Multidisciplinary Projects
Moderator: Sebastian Galindo-Gonzalez

David Diehl, Sebastian Galindo-Gonzalez, Glenn Israel, and July Nelson (University of Florida)

11:30 am – 1:00 pm, Grand Ballroom Section 7: SRSA Awards Luncheon

Fostering Resiliency Among Vulnerable Groups in Luwero, Uganda
July D. Nelson, Sebastian Galindo-Gonzalez, and Sarah L. McKune (University of Florida)

1:15 pm – 2:30 pm, Daytona: Session 10 – Environment and Natural Resources
Moderator: Buddh Gyawali (Kentucky State University)

Community Perceptions on Surface Mining, Reclamation Impacts and Trust on Public Entities in the Eastern Kentucky
Buddhi Gyawali (Kentucky State University), Marion Simon (Kentucky State University), and Neelam Poudyal (University of Tennessee-Knoxville)

Exploring Rural and Urban Residents Perceptions on Agriculture Water Use
Jyothi Swaroop Bommidi, Alexa J. Lamm, and James C. Bunch (University of Florida)

Saving the Fish: Consumer Awareness and Acceptance of Seafood Eco-labels in the Canadian Context
Anthony Winson (University of Guelph), Jennifer Silver (University of Guelph), and Jin Young Choi (Sam Houston State University)
Factors of Demand and Supply for Improved Watershed Services in a Payments-for-Ecosystem Services Scheme in the Blue Nile Basin
Befikadu A. Legesse and Terrence W. Thomas (North Carolina Agricultural & Technical State University)

Cumulative Disadvantage and Modifiable Characteristics: The Role of History, Geography, and Community Capitals in the Multi-State Delta Region
Katrina Alford and John J. Green (University of Mississippi)

Farm to Fork: Bringing the Honors College to the Farm
Chelsea Arnold, Crystal Hernandez, Jennifer Lopes, and Robert Williams (Texas A&M University-Commerce)

Starting Freshmen with a Signature Course about Food
Chelsea Arnold, Carolyn Edler, Crystal Hernandez, Kymbriel Lockhart, and Robert Williams (Texas A&M University-Commerce)

Understanding the SNAP Gap: Assessing County Level Patterns in Poverty and Nutrition Assistance in the Southern U.S.
Rachel Haggard and John Green (University of Mississippi)

Farmers and Food Security Perceptions
Cynthia Rice and Buddhi Gyawali (Kentucky State University)

Mind over Ripple? Utility of Two Mapping Techniques to Evaluate Community Impact
Patricia Hyjer Dyk (University of Kentucky)

In a SNAP: Nutrition Education in Food Desert Communities
Eliza Green (University of Kentucky), Kendall M. Wright (University of Kentucky), Stacy K. Vincent (University of Kentucky), Jacqueline Corum (University of Kentucky), and Rebecca Self (FoodChain)

A Diversity of Farmers have Built Networks Because of Pastured Poultry Enterprises
Steve Skelton, Marion Simon, and Tehran Jewell (Kentucky State University)

Developing Networks for Diversity
Edwin Chavous, Tehran Jewell, Austin Wright, Marion Simon, and Louie Rivers Jr. (Kentucky State University)

Kentucky’s Local Food Systems – African American Beginning Farmers Are Taking a Lead Role
Tehran Jewell, Marion Simon, Steve Skelton, Austin Wright, and Louie Rivers Jr (Kentucky State University)

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RURAL SOCIOLOGICAL

Journal Editors: Editor in Chief, Managing Editor, and Web Master: Douglas Clayton Smith, Department of Sociology, Western Kentucky University, 1906 College Heights Blvd. #11057, Bowling Green, KY 42101-1057, Phone: 270-745-3750, Email: jrss@wku.edu

2017-2018 SAAS OFFICERS

EXECUTIVE COMMITTEE

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FLOOR DIAGRAMS

Meeting Rooms by Location

Second Floor
- Grand Ballroom
- Grand Ballroom Sections 1-8
- Skybridge

Third Floor
- Boardrooms 1-4
- Orlando
- Daytona
- River Terrace Rooms 1-3
- City Terrace Rooms 4-12
- Skybridge
- Conference Center A

Meeting Rooms Alphabetical

| Boardrooms 1-4 | 3rd floor |
| City Terrace Rooms 4-12 | 3rd floor |
| Conference Center A | 3rd floor |
| Daytona | 3rd floor |
| Grand Ballroom | 2nd floor |
| Grand Ballroom Sections 1-8 | 2nd floor |
| Orlando | 3rd floor |
| River Terrace Rooms 1-3 | 3rd floor |
| Sections 1-8 (Grand Ballroom) | 2nd floor |
| Skybridge | 2nd floor |
| Skybridge | 3rd floor |

All meeting rooms are located in the Hotel.
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Next Year’s Meeting Location
January 31-February 5, 2019
Birmingham, Alabama
Sheraton Birmingham Hotel &
Birmingham Jefferson Civic Center