57th APRES
ANNUAL MEETING
RICHMOND, VIRGINIA
JULY 15-17, 2025

Omni Richmond Hotel

Contributors to 2025 APRES Meeting

(at time of press)

On behalf of APRES members and guests, the Program Committee says **"THANK YOU"** to the following organizations for their generous financial and product contributions:

Special Activities

BASF & Bayer – Wednesday Evening Gala Dinner – James River Ballroom A-C
Corteva Agriscience – Thursday Evening Awards Reception – James River Ballroom A-C

Meeting Breaks

Premium Peanut
Fine Americas
HudsonAlpha
FMC
QualySense

Product Donors

Alabama Peanut Producers Association
Jimbo's Jumbos
Florida Peanut Producers Association
Mississippi Peanut Growers Association
Georgia Peanut Commission
Hershey's
Mars Chocolate, North America
Hormel
North Carolina Peanut Growers Association
National Peanut Board
The J.M. Smucker Company
South Carolina Peanut Board
Virginia Peanut Growers Association
Texas Peanut Producers Board
Western Peanut Growers Association

APRES Field Tour

Wakefield Peanut Company, Surry, VA
Goodrich Farm, VA
Tidewater AREC, Suffolk, VA
Jamestown Settlement, VA

TOUR SPONSORED BY

Ben-Gan Farms
Colonial Farm Credit
AMADAS
James River Equipment
Hoober Inc.
VA Peanut Growers Association
NC Peanut Growers Association
Birdsong Peanuts
Tidewater Agricultural Research & Extension Center

57th ANNUAL MEETING of the
AMERICAN PEANUT RESEARCH AND EDUCATION SOCIETY
Richmond, Virginia
July 15 – 17, 2025

BOARD OF DIRECTORS

President ..... Rebecca Bennett
Past President ..... Bob Kemerait
President-Elect ..... Maria Balota
Executive Officer ..... Richard Owen
University Representatives:
- Virginia-Carolina ..... Dan Anco
- Southeast ..... Soraya Bertioli
- Southwest ..... Emi Kimura

USDA Representative ..... Kelly Chamberlin
Graduate Student Organization ..... Nick Shay
Industry Representatives:
- Grower Association ..... Shelly Nutt, Texas Peanut Producers Board
- Shelling, Marketing, Storage ..... Clay Garnto, Premium Peanut
- Manufactured Products ..... Eric Dowd, Mars Wrigley

American Peanut Council ..... Steve Brown, The Peanut Research Foundation
National Peanut Board ..... Neal Baxley

PROGRAM COMMITTEE

Maria Balota, Chair

Local Arrangements
David Langston, Chair

Technical Program
Dan Anco, Chair

Spouses' Program
Beth Langston, Chair
Suzanne Pruitt
Donna Holbrook

2025 APRES COMMITTEES

Bailey Award Committee
Kayla Eason, Chair (2025)
Jake Fountain (2025)
Jack Davis (2026)
Ondulla Toomer (2026)
Josh Clevenger (2027)
Dylan Wann (2027)

Bylaws Committee
Gary Schwarzlose, Chair (2026)
David Jordan (2027)
Emily Cantonwine (2028)

Coyt T. Wilson Service Award Committee
Lisa Dean, Chair (2026)
Naveen Puppala (2025)
Abilash Chandel (2027)
David Bertioli (2027)

Corteva Agrisciences Awards Committee
Mark Abney, Chair (2025)
John Richburg (2025)
Jeff Dunne (2025)
John Cason (2026)
Scott Tubbs (2026)
Ethan Carter (2027)
Michael Marshall (2027)

Fellows Committee
Pete Dotray, Chair (2027)
Peggy Ozias-Akins (2026)
David Jordan (2026)
Barry Tillman (2027)

Nominating Committee
Bob Kemerait, Chair (2025)
Barry Tillman (2025)
Emi Kimura (2025)
David Langston (2025)

Finance Committee
Brendan Zurweller, Chair (2025)
Travis Faske (2026)
Cristiane Pilon (2027)
Foy Mills (2027)

Joe Sugg Grad. Student Awards Committee
Bob Kemerait, Chair (2027)
John Cason (2025)
Jianping Wang (2025)
Rachel Koch Bach (2025)
Shyam Tallury (2025)
Zachary Treadway (2026)
LeAnn Lux (2026)
Maíra Duffeck (2026)
Isaac Esquivel (2026)
Fetien Abera (2027)
Jessica Bell (2027)
Alvaro Sanz-Saez (2027)
Chad Abbott (2027)

Peanut Quality Committee
Chris Liebold, Chair (2026)
Nino Brown (2025)
Waltram Ravelombola (2025)
Julie Marshall (2025)
Peggy Tsatsos (2026)
Donald Chase (2027)
Raegan Holton (2027)
Wilson Faircloth (2027)

Publications and Editorial Committee
Jamie Rhoades, Chair (2025)
Albert Culbreath (2026)
Hardeep Singh (2027)
LeAnn Lux (2027)

Public Relations Committee
Darlene Cowart, Chair (2025)
Ken Obasa (2025)
Pratap Devkota (2025)
David West (2026)

Site Selection Committee
Todd Baughman, Chair (2025)
David Langston, Vice-Chair (2026)
Amanda Hulse-Kemp (2025)
Amanda Strayer-Scherer (2025)
Travis Faske (2027)
Kris Balkcom (2027)

Monday – July 14, 2025

Optional Field Tour

8:00 am Depart Omni Hotel and travel to Wakefield Peanut Company, Surry, VA (Meet in hotel lobby)

9:00 am Arrive at Wakefield Peanut Company

- Welcome from Surry County Extension Office – Elizabeth Cooper
- Tour of Wakefield Peanut Co. facilities – Steven Laine
- Presentation: Successful partnerships of small and large shellers in VA – Mark Simmons, Birdsong

10:15 am Depart for Goodrich Farm

10:30 am Arrive at Goodrich Farm

- Welcome and farm story – Henry Goodrich

10:45 am Presentation: The story of seed production in VA – Tom Hardiman, VCIA

11:00 am Concurrent field presentations/demonstrations:

- David Langston
- Tim Bryant
- Jacob Forehand
- Alejandro Del-Poso
- Abhilash Chandel
- Maria Balota

12:00 pm Catered lunch on the farm (Sponsored by TAREC/Matthew Chappell)

12:00 pm Feature: Dining next to the FIRST peanut digger in the country!

12:30 pm Dessert remarks:

- Welcome to Virginia – VA Ag Secretary or Commissioner (TBD)
- Welcome from Virginia Tech – Dr. Kang Xia
- Welcome from VA Peanut Board – Caitlin Joyner
- Welcome from TAREC – Matthew Chappell

1:00 pm Depart for Jamestown Ferry (plan to catch the 1:30 pm ferry)

2:00 pm Guided visit to Jamestown Settlement historical site

4:00 pm Depart Jamestown and return to Omni Hotel

5:00 pm Rest at hotel

6:00 – 8:00 pm Meet & Greet Happy Hour at the Omni's Westham Tavern

Tuesday – July 15, 2025

7:30 – 5:00 APRES Registration and Poster Setup ..... James River Foyer

8:00 - 1:15 Presentation Practice Room ..... Rappahannock

8:00 – 10:00 Seed Summit ..... James River Salon C

9:00 – 1:00 Spouse Hospitality Room ..... Hospitality 321

12:00 – 1:15 Lunch ..... On your own

Committee Meetings

Crop Germplasm Committee (to be held at a later date TBD) ..... electronically

10:00 – 12:00 The Peanut Research Foundation BOD Meeting ..... James River Salon C

10:00 – 11:00 Public Relations Committee ..... James River Salons A & B

11:00 – 12:00 Joe Sugg Committee ..... Potomac

1:15 – 3:15 Peanut Quality Committee ..... James River Salon C

1:15 – 2:15 Associate Editors, *Peanut Science* ..... Rappahannock

2:15 – 3:15 Publications and Editorials, *Peanut Science* ..... Rappahannock

3:15 – 4:15 Bailey Award Committee ..... Rappahannock

3:15 – 4:15 Site Selection Committee ..... James River Salons A & B

4:15 – 5:15 Finance Committee ..... Rappahannock

Sessions

1:15 – 5:15 Joe Sugg MS Competition I *(Sponsored by North Carolina Peanut Producers)* ..... Potomac

3:15 – 3:30 Break *(Sponsored by QualySense)* ..... James River Foyer

3:15 – 5:15 Q-Sorter Session ..... James River Salon C

5:00 – 6:00 Board of Directors ..... James River Salons A & B

6:00 – 7:15 "Welcome to Richmond" Ice Cream Social ..... Magnolia Room

Wednesday – July 16, 2025

7:30 – 5:00 APRES Registration and Poster Setup ..... James River Foyer

8:00 – 10:00 Spouse Hospitality Room..... Hospitality 321

8:00 – 5:00 Presentation Practice Room ..... Rappahannock

3:00 – 5:00 Spouse Hospitality Room..... Hospitality 321

Sessions

8:00 – 9:45 General Session:
Bridging Heritage and Innovation:
Cultivating the Future of Peanut Production..... James River Salons A-D

10:00 – 10:15 Break *(Sponsored by Premium Peanut)* ..... James River Foyer

10:15 – 12:00 Joe Sugg MS Competition II *(Sponsored by NC Peanut Growers)*..... Potomac

10:15 – 12:00 Breeding/Biotechnology/Genetics I..... James River Salon D

12:00 – 1:30 Lunch ..... On your own

1:30 – 1:45 Joe Sugg MS Competition II (*Sponsored by NC Peanut Growers*)..... Potomac

1:45 – 5:15 Joe Sugg PhD Competition I *(Sponsored by National Peanut Board)* ..... Potomac

1:30 – 4:45 Breeding/Biotechnology/Genetics II..... James River Salon D

3:15 – 3:30 Break *(Sponsored by Fine Americas)*..... James River Foyer

6:00 – 8:00 Gala Dinner (Sponsored by BASF & Bayer) ..... **James River Salons A-C**

*Poster presentations open all day

Thursday – July 17, 2025

6:00 – 7:15 Fun Run ..... Meet in hotel lobby

7:30 – 5:00 APRES Registration and Poster Viewing..... James River Foyer

8:00 – 10:00 Spouse Hospitality Room..... Hospitality 321

8:00 – 5:00 Presentation Practice Room ..... Rappahannock

3:00 – 5:00 Spouse Hospitality Room..... Hospitality 321

Sessions

8:00 – 9:30 Extension Techniques and Technology..... James River C

8:00 – 9:00 Charles Simpson Wild Species Session..... Potomac

9:00 – 10:45 Joe Sugg – PhD Competition II *(Sponsored by National Peanut Board)* ..... Potomac

9:30 – 9:45 Break *(Sponsored by Hudson Alpha)*..... James River Foyer

9:45 – 12:00 Grower-Focused Session ..... James River C

10:45 – 12:00 Food Science & Harvesting/Curing/Shelling/Storing/Handling..... Potomac

12:00 – 1:30 Graduate Student Luncheon *(Sponsored by Syngenta)* ..... Magnolia

12:00 – 1:30 Lunch..... On your own

1:30 – 3:15 Plant Pathology and Nematology ..... James River C

1:30 – 3:15 Physiology and Seed Technology..... Potomac

3:15 – 3:30 Break *(Sponsored by FMC)*..... James River Foyer

3:30 – 5:00 Poster Session (Authors Present)..... James River Foyer

5:00 – 6:00 **APRES 57th Business Meeting and Awards Ceremony..... James River Salons A-D**

6:00 – 7:30 Awards Reception (Sponsored by Corteva Agriscience)..... Magnolia

*Poster presentations open all day

1:15 – 5:15	**Joe Sugg MS Competition I** Meeting Room: *Moderator: Bob Kemerait, University of Georgia*
1:15	**Validation and Quantification of a Major Seed Size QTL in an Elite Biparental Peanut Population** **POKHAREL, A.***, BROWN, N., Institute of Plant Breeding Genetics and Genomics, Department of Crop and Soil Sciences, University of Georgia, Tifton, GA 31793; MYERS, Z., KORANI, W., CLEVENGER, J., Hudson Alpha Institute for Biotechnology, Huntsville, Alabama.
1:30	**Can Less Mean More?: Effect of Delayed Fungicide Timing and Reduced Applications for Control of Late Leaf Spot on Peanut** **TISONE, G.*,** HOLLIDAY, S.; BRADBURN, M., Department of Entomology and Plant Pathology, North Carolina State University, Raleigh, NC 27695; LUX, L., North Carolina State Extension, Raleigh, NC 27695.
1:45	**Components of the Weed Management Risk Index used in the Peanut Risk Management Tool in North Carolina** **JALALI, S.*,** REISIG, D., LUX, L., and JORDAN, D.L., NC State Extension, Raleigh, NC 27695.
2:00	**Role of Harvest Methodology on Production and Pest Management Recommendations** **GARNER, E.H.*,** JORDAN, D.L., LUX, L.A., REISIG, D., AUSTIN, R., and FOOTE, E., North Carolina State University, Raleigh, NC 27695; STEVENS, B., BRAKE, M., LANIER, I., DEAL, S., and RANSOM, L., North Carolina Department of Agriculture and Consumer Services, Raleigh, NC.
2:15	**Impact of Variable Soil Water Tension Irrigation Thresholds on Georgia Peanut Production** **GRUBBS, H.*,** PORTER, W., Department of Crop and Soil Sciences, University of Georgia, Tifton, GA 31794; MONFORT, W., Department of Crop and Soil Sciences, University of Georgia, Tifton, GA 31794; PILON, C., Department of Crop and Soil Sciences, University of Georgia, Tifton, GA 31794; PORTER, E., Abraham Baldwin Agricultural College, Tifton, GA 31794.
2:30	**Evaluation of Spanish Peanut Population for Dryland Cultivation** **NAAPOAL, C.*,** Department of Plant and Soil Sciences, Texas Tech University, Lubbock, TX 79409; TENGEY, T.K., CSIR-Savanna Agricultural Research Institute, Nyankpala, Ghana; OTENG-FRIMPONG, R., CSIR-Savanna Agricultural Research Institute, Nyankpala, Ghana; FAYE, I., Groundnut Breeding & Genetics Lab ISRA/CNRA, Bambey, Senegal; BUROW, M.D., Department of Plant and Soil Sciences, Texas Tech University, Lubbock, TX 79409 and Texas A&M AgriLife Research and Extension Services, Lubbock, TX 79403.
2:45	**Growth Regulation in Peanut: Investigating Prohexadione Calcium Tank-Mixed with Postemergence Herbicides** **BOWEN, S.J.***, GREY, T., MONFORT, W.S., PILON, C., Department of Crop and Soil Sciences, University of Georgia Tifton Campus, Tifton, GA 31793; EASON, K., Agriculture Research Service, United States Department of Agriculture, Tifton, GA 31793.
3:00	**Assessment of Reactive Oxygen Species and Photosynthetic Efficiency in Peanut in Response to *Nothopassalora personata* Infection** **ASIEDU, E.*,** CANTONWINE, E.G., and LOKDARSHI, A., Department of Biology, Valdosta State University, Valdosta, GA 31698.
3:15	**BREAK**

1:15 – 5:15	**Joe Sugg MS Competition I continued** Meeting Room: *Moderator: Bob Kemerait, University of Georgia*
3:30	**Exploring Agronomic Management Practices to Improve Peanut Oil Production** **ANSHUL, F.*,** TUBBS, R.S., PILON, C., MONFORT, W.S., BROWN, I.N., Department of Crop and Soil Sciences, University of Georgia Tifton Campus, Tifton, GA 31793; SMITH, A.R., Department of Agricultural and Applied Economics, University of Georgia Tifton Campus, Tifton, GA 31793.
3:45	**Peanut Plant Height, Peg Strength, Digging Efficiency, and Pod Yield as Influenced by Prohexadione Calcium** **SINGH, S.*,** SINGH, K., SHAH, A., DAR, E.A., SINGH, H., West Florida Research and Education Center, Department of Agronomy, University of Florida, Jay, FL, 32565.
4:00	***In-vitro* Temperature Response and Sensitivity of Three *Rhizopus* spp. to Peanut Seed-Treatment Fungicides** **MCEACHIN, L.*,** AKTARUZZAMAN, MD., and BRENNEMAN, T., Plant Pathology Department, The University of Georgia, Tifton, GA 31794.
4:15	**Determining Best Disease Management Programs for New Peanut Cultivar TifCB-7** **TUBERVILLE, J.*,** ZURWELLER, B., MAY, J., Department of Plant and Soil Sciences, Mississippi State University, 32 Creelman Street, Mississippi State, MS 39762.
4:30	**Effects of Increased Seeding Rates on Late-Planted Peanuts** **MORGAN, K.*,** MONFORT, W.S., Crop and Soil Department, University of Georgia Tifton Campus, Tifton, GA 31794.
4:45	**Estimating Mating-type Frequencies and Genetic Diversity of *Passalora arachidicola* and *Nothopassalora personata*** **ROBERSON, G.***, CANTONWINE, E., EFFI, G., Department of Biology, Valdosta State University, Valdosta, GA 31698, ARIAS, R., USDA-ARS National Peanut Research Laboratory, Dawson, GA 39842, GREMILLION, S., Department of Biology, Georgia Southern University Armstrong Campus, Savannah, GA 31419, and CULBREATH, A., Department of Plant Pathology, University of Georgia Tifton Campus, Tifton, GA 31793.
5:00	**Differential Harvesting in Peanut: Irrigated Fields with Rainfed Corners** **POLES, B.P.***, PILON, C., PORTER, W., Crop and Soil Sciences Department, University of Georgia Tifton Campus, Tifton, GA 31793; KEMERAIT, R.C.J., Plant Pathology, University of Georgia Tifton Campus, Tifton, GA 31793; SMITH, A.R., Agricultural and Applied Economics, University of Georgia Tifton Campus, Tifton, GA 31793; , LYON, D., Cooperative Extension, University of Georgia, Tifton, GA 31793; HALL, D., Cooperative Extension, University of Georgia, Cochran, GA 31014; MALLARD, J., Cooperative Extension, University of Georgia, Statesboro, GA 30460.

8:00 – 10:00	**General Session – *Bridging Heritage and Innovation: Cultivating the Future of Peanut Production*** Meeting Room: *Moderator: Rebecca Bennett, USDA ARS or Bob Kemerait, University of Georgia*
8:00	**Welcoming Remarks** **LOHR, M.***, 5th Secretary of Agriculture and Forestry for the Commonwealth of Virginia.
8:10	**Welcoming Remarks** **BURROWS, M.*,** Associate Dean and Director of Agricultural Experiment Station Research and Graduate Studies, Virginia Tech, Blacksburg, VA 24061.
8:20	**The Peanut Story** **ALPHIN, R.*,** Virginia Peanut Farmer, Sunset View Farm, Zuni, VA 23898.
8:40	**Early Detection, Early Intervention: Innovations in Sequence-Based Pathogen Identification** **LORV, J.S.H.*,** School of Plant and Environmental Sciences, Virginia Tech, Blacksburg, VA 24061.; ABDELRAZEK, S., Department of Biomedical Sciences and Pathobiology, Virginia-Maryland College of Veterinary Medicine, Virginia Tech, Blacksburg, VA 24061.; MAZLOOM, R., SHARMA, R., Department of Computer Science, Virginia Tech, Blacksburg, VA 24061.; BELAY, K., KAUR, S., GERCKEN, M., School of Plant and Environmental Sciences and Graduate Program in Genetics, Bioinformatics, and Computational Biology, Virginia Tech, Blacksburg, VA 24061.; HEATH, L.S., Department of Computer Science, Virginia Tech, Blacksburg, VA 24061.; RODRIGUEZ SALAMANCA, L., School of Plant and Environmental Sciences, Virginia Tech, Blacksburg, VA 24061; LAHMERS, K., Department of Biomedical Sciences and Pathobiology, Virginia-Maryland College of Veterinary Medicine, Virginia Tech, Blacksburg, VA 24061.; VINATZER, B.A., School of Plant and Environmental Sciences, Virginia Tech, Blacksburg, VA 24061.
9:00	**Robotics and AI for Agriculture Production** **KANTOR, G.***, Robotics Institute, Carnegie Mellon University, Pittsburgh, PA 15213.
9:30	**Is AI the Missing Piece for Precision Agriculture?** **REBERG-HORTON, C.***, Crop and Soil Science Department, North Carolina State University, Raleigh, North Carolina 27695.

10:15–12:00	**Joe Sugg MS Competition II** Meeting Room: *Moderator: Bob Kemerait, University of Georgia*
10:15	**Unknotting a Nematode: Exploring Wild *Arachis* Root Knot Nematode Resistance in Peanut** **BOTTON, S.***, Department of Horticulture and Institute of Plant Breeding, Genetics and Genomics, University of Georgia, Tifton GA, 31793; KORANI, W., Hudson-Alpha Institute for Biotechnology, Huntsville Al, 35806; CLEVENGER, J., Hudson-Alpha Institute for Biotechnology, Huntsville Al, 35806; SCHUMACHER, L., USDA-ARS, Crop Genetics and Breeding Research, Tifton Ga, USA; TIMPER, P., USDA-ARS, Crop Genetics and Breeding Research, Tifton Ga, 31793; CHU, Y., Department of Horticulture and Institute of Plant Breeding, Genetics and Genomics, University of Georgia, Tifton GA, 31793; HOLBROOK, C.C., USDA-ARS, Crop Genetics and Breeding Research, Tifton Ga, 31793; , Department of Horticulture and Institute of Plant Breeding, Genetics and Genomics, University of Georgia, Tifton GA, 31793.
10:30	**Characterizing Rootworm Feeding and its Impact on Peanut Pod Yield** **ROYSTON, J.***, ABNEY, M., Department of Entomology, University of Georgia Tifton Campus, Tifton, GA 31793.
10:45	**Fitting Peanut Crop Coefficient Curves to Field Conditions Using Satellite Vegetation Indices** **TREVISAN, V.T.*,** Department of Crop and Soil Sciences, University of Georgia Tifton Campus, Tifton, GA 31793; EDWARDS, P.E., LYON, D.L., CAES-Southwest District CES, Extension, University of Georgia Tifton Campus, Tifton, GA 31793; VELLIDIS, G.V., Department of Crop and Soil Sciences, University of Georgia Tifton Campus, Tifton, GA 31793.
11:00	**Developing an Economic Threshold for Lesser Cornstalk Borer in Peanut Based on Moth Capture in Pheromone Traps** **LANE, M.T.*,** and ABNEY, M.R., Department of Entomology, The University of Georgia, Tifton, GA 31793.
11:15	**Quantifying in-furrow Insecticide Persistence and its effects on Tomato Spotted Wilt Virus in Peanut** **CAVASSA, M.*,** STRAYER-SCHERER. A., GRAHAM. S.H., Entomology and Plant Pathology Dept, Auburn University, Auburn, AL 36849.
11:30	**Exploring the Diversity of a Legacy Wild Peanut Collection to Enhance Cultivated Peanut** **NUGRAHA, G.T.*,** CHU, Y., Institute of Plant Breeding, Genetics and Genomics, University of Georgia Tifton Campus, Tifton, GA 31793; KORANI, W., CLEVENGER, J., Hudson-Alpha Institute for Biotechnology, Huntsville, AL 35806; LEAL-, BERTIOLI, D., Institute of Plant Breeding, Genetics and Genomics, University of Georgia, Athens, GA 30602; TIMPER, P., HOLBROOK, C.C., USDA-Agricultural Research Service, Crop Genetics and Breeding Research Unit, Tifton, GA 31793; , Institute of Plant Breeding, Genetics and Genomics, University of Georgia Tifton Campus, Tifton, GA 31793.
11:45	**Comparing *In Vitro* Assays for Detecting Fungicide Resistance in Early and Late Leaf Spot Pathogens of Peanuts** **EFFI, G.*,** CANTONWINE, E.-G., LOKDARSHI, A., Department of Biology, Valdosta State University, Valdosta, GA 31698; CULBREATH, A.-K., Department of Plant Pathology, University of Georgia, Tifton, GA 31793.

10:15–12:00	**Breeding, Biotechnology, and Genetics I** Meeting Room: *Moderator: Nino Brown, University of Georgia*
10:15	**Yield Stability of Recently Released Runner Peanut Cultivars Tested in Georgia** **BROWN, N.***, BRANCH, W.D., Institute of Plant Breeding, Genetics, and Genomics, Department of Crop and Soil Sciences, University of Georgia, Tifton, GA 31793; MAILHOT, D., DUNN, D., Statewide Variety Testing, University of Georgia, Tifton, GA 31793.
10:30	**Markers for the Selection of Diverse Fatty Acid Composition from Samples within the USDA-ARS Germplasm Collection** **THOMAS, J.*,** MARSHALL-DRAKE, J., GILLIAM, M., Department of Chemistry and Biochemistry, Lubbock Christian University, Lubbock, TX 79407.
10:45	**QTL Validation Study for Aflatoxin Resistance in a small Peanut Nested Association Mapping Population** **CARDON, C.*,** HOLTON, R.W., , Horticulture Department, Institute of Plant Breeding, Genetics, and Genomics, University of Georgia Tifton Campus, Tifton, GA 31793; CLEVENGER, J., KORANI, W., HudsonAlpha Institute for Biotechnology, Huntsville, AL, 35806; HOLBROOK, C.C., USDA- Agricultural Research Service, Crop Genetics and Breeding Research Unit, Tifton, GA 31793.
11:00	**Identification of QTLs Underlying Physiological Traits Related to Drought Tolerance in Cultivated Peanuts** ZHANG, Q., FENG, Y., SANZ-SAEZ, A., **CHEN, C.***, Department of Crop, Soil and Environmental Sciences, Auburn University, Auburn, AL 36849; DANG, P., BUCIOR, E., PAGE, J., LAMB, M. the USDA-ARS National Peanut Research Laboratory, Dawson, GA 39842; LOVELL, J., SCHMUTZ, J., GRIMWOOD, J., GRABOWSKI, P., HudsonAlpha Institute for Biotechnology, Huntsville, AL 35806, USA.
11:15	**How the Peanut Genome Helps Improve Peanut Varieties: Year 1** **CLEVENGER, J.*,** KORANI, W.**,** SANMARTIN, P., GOODE, K., DAVIS, C., MYERS, Z., WHITE, A., Hudson-Alpha Institute for Biotechnology, Huntsville, AL 35806.
11:30	**Development and Characterization of Runner Peanut with Tolerance to Water Deficit and Heat Stress** **BUROW**, **M.D.***, Texas A&M AgriLife Research, Lubbock, TX 79403, and Texas Tech University, Dept. of Plant and Soil Science, Lubbock, TX 79409; , SIMPSON, C.E., Texas A&M AgriLife Research, Stephenville, TX 76401; BARING, M.R., Texas A&M AgriLife Research, College Station, TX 77843; GOMEZ-SELVARAJ, M., CHAGOYA, J., Texas A&M AgriLife Research, Lubbock, TX 79403; SPIVEY, W.W., NARAYANAN, S., Department of Plant and Environmental Sciences, Clemson University, Clemson, SC 29634; BURKE, J., and PAYTON, P., USDA-ARS-CSRL, Lubbock, TX 79415.
11:45	**Liftover Annotation As a Potential Approach to Annotate Non-reference Genomes at PeanutBase** **DASH, S.***, CAMERON, C., CLEARY, A., FARMER, A.D., LAVELLE, E., REDSUN, S., National Center for Genome Resources, Santa Fe, NM; CANNON, S., USDA-ARS, Corn Insects and Crop Genetics Research Unit, Ames, IA; CHU, Y., , Department of Horticulture and Institute of Plant Breeding, Genetics and Genomics, University of Georgia, Tifton, GA; CLEVENGER, J., KORANI, W., WRIGHT, H., HudsonAlpha Institute for Biotechnology, Huntsville, AL.

1:30 – 5:00	**Joe Sugg Ph.D. Competition I** Meeting Room: *Moderator: Bob Kemerait, University of Georgia*
1:30	**Evaluation of Peanut Herbicide Programs in Oklahoma** **SMITH, M.*,** Department of Entomology and Plant Pathology, Oklahoma State University, Altus, OK 73521; BAUGHMAN, T., Texas A&M AgriLife Research and Extension, Lubbock, TX 79403.
1:45	**Systematic Identification and Drought-Responsive Transcriptional Regulation of MAPK Genes in Cultivated and Diploid Peanut Species** **ZHANG, J.***, CHEN, C., Department of Crop, Soil, and Environmental Sciences, Auburn University, Auburn, AL 36849.
2:00	**Enhancing Crop Model Accuracy: Soil Profile Adjustments in DSSAT CSM-CROPGRO-Peanut for Aflatoxin Contamination Estimation** **MAKTABI, S.*,** Department of Crop and Soil Sciences, University of Georgia, Tifton Campus, Tifton, GA, 31793; BOOTE, K., Department of Agronomy, University of Florida, Gainesville, FL 32611; BUCIOR, E., Department of Crop and Soil Sciences, University of North Carolina, Raleigh; HOOGENBOOM, G., Department of Agricultural and Biological Engineering, University of Florida, Gainesville, FL 32611; FOUNTAIN, J., Department of Plant Pathology, University of Georgia, Griffin Campus, Griffin, GA; PILON, C., Crop and Soil Sciences, University of Georgia, Tifton Campus, Tifton, GA, 31793; , Institute of Integrative Precision Agriculture, University of Georgia Tifton Campus, Tifton, GA, 31793.
2:15	**Precision Peanut Maturity Mapping for Virginia-Type Cultivars using Aerial Spectral Imagery, Weather Data and Advanced Machine Learning** **RAYMOND, S**.*, CHANDEL, A.K., Department of Biological Systems Engineering, Virginia Polytechnic Institute and State University, Blacksburg, VA, USA, 24061; Tidewater Agricultural Research and Extension Center, Suffolk, VA, USA, 23437; BALOTA, M., Tidewater Agricultural Research and Extension Center, Suffolk, VA, USA, 23437.
2:30	**Diversity Study of Tomato Spotted Wilt Virus in Major Cultivated Hosts in Southeast Georgia, United States** **SHUKLA, B.*,** BAG, S., CULBREATH, A.K., Department of Plant Pathology, University of Georgia, Tifton, GA, 31793, USA; MOORE, J.M., BROWN, N., Department of Crop and Soil Sciences, University of Georgia, Tifton, GA, 31793, USA; MCAVOY, T., Department of Horticulture, University of Georgia, Tifton, GA, 31793, USA.
2:45	**Rooting for Sustainability: Utilization of Plant Growth-Promoting Rhizobacteria as a Biological Control in Peanut Production** **SULLINS, K.N.*,** STRAYER-SCHERER, A.L., and HELD, D.W. Department of Entomology and Plant Pathology, Auburn University, Auburn, AL 36849.
3:00	**Potential New Sources of Stem Rot Resistance from Wild Peanuts** **MATUSINEC, D.*,** Institute of Plant Breeding, Genetics & Genomics, University of Georgia, Athens, GA, 30602; BRENNEMAN, T.B., Department of Plant Pathology, University of Georgia, Tifton, GA, 31793; HOPKINS, M.S., Center for Applied Genetic Technologies, University of Georgia, Athens, GA, 30602; LEAL-BERTIOLI, S.C.M., Institute of Plant Breeding, Genetics & Genomics, Department of Plant Pathology, University of Georgia, Athens, GA, 30602; BERTIOLI, D.J., Institute of Plant Breeding, Genetics & Genomics, Department of Crop & Soil Sciences, University of Georgia, Athens, GA, 30602.
3:15	**Break**

3:30 – 5:00	**Joe Sugg Ph.D. Competition I continued** Meeting Room: *Moderator: Bob Kemerait, University of Georgia*
3:30	**Assessing and Validating Thermal and Physical Properties of Shelled Peanuts Using CFD for Storage Simulation** **PIRHADI TAVANDASHTI, A.*,** BANU, E., College of Engineering, University of Georgia, Athens, GA 30602; RAINS, G. Department of Entomology, University of Georgia, Athens, GA 30602.
3:45	**Comparison of Weed Control with Fluridone and Flumioxazin Programs in Peanut in North Carolina** **PENDLETON, B.***, FOOTE, E., JORDAN, D.L., EDMISTEN, K., CAHOON, C., and JENNINGS, K., North Carolina State University, Raleigh, NC 27695.
4:00	**Effect of Mid-Season Heat and Drought on Reproductive Physiology in Virginia-Type Peanuts and the Implications for Peanut Production in the Virginia-Carolina Region** **BEARD, K.M.***, VENNAM, R.R., School of Plant and Environmental Sciences, Virginia Polytechnical Institute and State University, Blacksburg, Virginia 24060; BALOTA, M., Tidewater Agricultural Research and Extension Center (TAREC), Suffolk, Virginia 23437; HAAK, D.C., School of Plant and Environmental Sciences, Virginia Polytechnical Institute and State University, Blacksburg, Virginia 24060.
4:15	**MagDio*:* A new source of multiple peanut resistances for Africa** **ESSANDOH, D.A.*,** Institute of Plant Breeding, Genetics & Genomics, University of Georgia, Athens, GA 30602; HOPKINS, M., Institute of Plant Breeding, Genetics & Genomics, The University of Georgia, Athens, GA 30602; BERTIOLI, D.J., Institute of Plant Breeding, Genetics & Genomics and Department of Crop & Soil Sciences, The University of Georgia, Athens, GA 30602; and LEAL-BERTIOLI, S.L.M., Institute of Plant Breeding, Genetics & Genomics and Department of Plant Pathology, The University of Georgia, Athens, GA 30602.
4:30	**Characterizing and Deploying Novel Disease Resistant Peanut Cultivars in the Southeastern US** **LEONARD, D.J.***, UF/IFAS Calhoun County Extension, Blountstown, FL, 32424; TILLMAN, B.L., GOMILLION, M.W., GOYZUETA, M.D., CASTRO, S.C., ODOUR, J.O., TORUNO, C.E., North Florida Research and Education Center, Marianna, FL 32446.
4:45	**The 1,000 *Aspergillus flavus* Genomes Initiative: Exploring Genetic Diversity and Fungicide Resistance Distribution in Southeast Peanut Production** **JOSON, S.E.A.***, ADAMS, A.K., Department of Plant Pathology, University of Georgia, Griffin, GA 30223; CLEVENGER, J., MYERS, Z., KORANI, W., HudsonAlpha Institute for Biotechnology, Huntsville, AL 35806; HOLTON, R., Premium Peanut, LLC., Douglas, GA 31535; MATHIS, J., American Peanut Growers Group, Donalsonville, GA 39845; FOUNTAIN, J.C., Department of Plant Pathology, University of Georgia, GA 30223.

1:30 – 3:30	**Breeding, Biotechnology, and Genetics II** Meeting Room: *Moderator: Ryan Andres, North Carolina State University*
1:30	**Developing Stem Rot Resistant and Potentially more Synchronous Maturity Peanut Germplasm through Marker Assisted Selection** *, , IPBGG, Department of Horticulture, University of Georgia Tifton Campus, Tifton, GA 31793; BRENNEMAN, T., Department of Plant Pathology, University of Georgia Tifton Campus, Tifton, GA 31793 and CLEVENGER, J., IPBGG, University of Georgia, Tifton, GA 31793, USA; , Agricultural Research Organization (ARO), Rishon LeZion, Israel; BOTTON, S., IPBGG, University of Georgia, Tifton, GA 31793; , USDA-ARS Coastal Plain Experiment Station, Tifton, GA USA 31793.
1:45	**Investigating the Influence of Drought on Peanut Soil Microbiomes and their Associations with *Aspergillus flavus* Populations and Aflatoxin Contamination** ***,** Department of Plant Pathology, University of Georgia, Griffin, GA 30223, USA; CLEVENGER, J., MYERS, Z., KORANI, W., HudsonAlpha Institute for Biotechnology, Huntsville, AL 35806, USA; , , Department of Plant Pathology, University of Georgia, Tifton, GA 31793, USA; PILON, C., MAKTABI, S., , Department of Crop & Soil Sciences, University of Georgia, Tifton, GA 31793, USA; FOUNTAIN, J.C., Department of Plant Pathology, University of Georgia, Griffin, GA 30223, USA.
2:00	**The Peanut Shell as a Defense Against Aflatoxin Contamination in Runner Type Peanuts** **TILLMAN, B.L.***, , University of Florida, North Florida Research and Education Center, Marianna, FL, and , Cornell Cooperative Extension Cornell Vegetable Program, Albion, NY.
2:15	**Epi-mutagenesis to Unleash Peanut Genome and Phenome Plasticity** **,** A., , , and ***,** Agronomy Department, University of Florida, Gainesville, FL, 32610, USA.
2:30	**Multiresistant *Arachis* Population as a Genetic Resource for Breeding** *, , Universidad Nacional de Córdoba, Facultad de Ciencias Agropecuarias. Córdoba, Córdoba, Argentina X5000; , , , , El Carmen SA, General Cabrera, Córdoba, Argentina X5809; , Universidad Nacional de Córdoba. Facultad de Ciencias Agropecuarias. Córdoba, Córdoba, Argentina X5000; , Universidad Nacional de Córdoba. Facultad de Ciencias Químicas, Departamento de Bioquímica Clínica. Córdoba, Argentina X5000. Centro de Investigaciones en Bioquímica Clínica e Inmunología (CIBICI UNC-CONICET). Universidad Nacional de Córdoba and Consejo Nacional de Investigaciones Científicas y Técnicas. Córdoba, Argentina X5000. , Instituto de Botánica del Nordeste (IBONE UNNE-CONICET). Universidad Nacional del Nordeste and Consejo Nacional de Investigaciones Científicas y Técnicas. Corrientes, Argentina X3400. Universidad Nacional del Nordeste. Facultad de Ciencias Exactas y Naturales y Agrimensura. Corrientes, Argentina X3400; , El Carmen SA, General Cabrera, Córdoba, Argentina X5809.
2:45	**Enhancing Peanut Yield Estimation in Breeding Fields Using Machine Learning and Pod Attributes** *, BROWN, N., , , Institute of Plant Breeding Genetics and Genomics, Department of Crop and Soil Sciences, University of Georgia, Tifton, GA 31793; , , , University of Florida, Gainesville, FL 32611.
3:00	**Unified Efforts Reveal Copy Number Variance Impacts TSWV Resistance** ***,** CULBREATH, A.K., University of Georgia, Department of Plant Pathology, Tifton, GA; KORANI, W., , HudsonAlpha Institute for Biotechnology, Huntsville, AL; , , , University of Georgia, Department of Horticulture and Institute of Plant Breeding, Genetics and Genomics, Tifton, GA, US; HOLBROOK, C.C., , USDA-ARS, Crop Genetics and Breeding Research Unit, Tifton, GA.
3:15	**Break**

3:30 – 4:15	**Breeding, Biotechnology, and Genetics II continued** Meeting Room: *Moderator: Ryan Andres, North Carolina State University*
3:30	**Assessment of Israeli and American Germplasm for Stem Rot Field Resistance under Semi-Arid Conditions** , , , , *, Department of Field Crops, Institute of Plant Sciences, Agriculture Research Organization, The Volcani Center, Rishon LeZion, Israel; LEAL-BERTIOLI, S.C.M., BERTIOLI, D.J., Institute of Plant Breeding, Genetics and Genomics, University of Georgia, Athens, GA, USA; ; Department of Horticulture and Institute of Plant Breeding, Genetics and Genomics, University of Georgia, Tifton, GA, USA.
3:45	**PeanutMAGIC and Pangenome** *, HOLBROOK, C.C., USDA-ARS, Crop Genetics and Breeding Research Unit, Tifton, GA; , , CULBREATH, A.K., University of Georgia, Department of Plant Pathology, Tifton, GA; KORANI, W., , HudsonAlpha Institute for Biotechnology, Huntsville, AL.
4:00	**Smut Resistant Accessions in the ICRISAT Peanut Mini-Core Germplasm Collection** *, and , USDA-ARS, Stillwater, OK 74075; , INTA, Argentina; , WRIGHT, H., MYERS, Z., and KORANI, W., Hudson Alpha Institute for Biotechnology, 601 Genome Way Northwest, Huntsville, AL 35806; HOLBROOK, C.C., USDA-ARS, Crop Genetics and Breeding Research Unit, Tifton, GA 31793; and , USDA-ARS, Plant Genetic Resources Conservation Unit, Griffin, GA 30212.

8:00 – 9:30	**Extension Techniques and Technology** Meeting Room: *Moderator: Zachary Treadway, University of Arkansas*
8:00	**The SmartIrrigation CropFit App (SI CropFit) Gives Peanut Farmers Another Irrigation Scheduling Tool to Improve Water Use Efficiency** *, Cooperative Extension, University of Georgia, Tifton, GA; Cooperative Extension, University of Georgia, Sylvester, GA; , National Peanut Research Laboratory, USDA-ARS, Dawson, GA; , Soil Science Artificial Intelligence Lab, University of Florida, Immokalee, FL; Cooperative Extension, University of Georgia, Moultrie, GA; HALL, D. Cooperative Extension, University of Georgia, Cochran, GA; MALLARD, J. Cooperative Extension, University of Georgia, Statesboro, GA; Cooperative Extension, University of Georgia, Swainsboro, GA; , Crop and Soil Sciences Department, University of Georgia, Tifton, GA; , Institute of Integrative Precision Agriculture, University of Georgia, Tifton, GA.
8:15	**Peanut Variety Testing (Irrigated/Non-Irrigated) in Cook County, Georgia** *[1], REEVES, B.[2], MONFORT, S.[3]; [1]University of Georgia Extension, Cook County, Adel, Georgia 31620; [2]University of Georgia Extension, Berrien County, Nashville, Georgia 31693; [3]Crop and Soil Science Department, University of Georgia, Tifton, Georgia 31793.
8:30	**How On-Farm Trials are used to Support Extension Programming in North Carolina** *, , , , , , , , , , , , , , PENDLETON, B., , , , , , , , , , SMITH, M., , , , , , , REISIG, D., LUX, L., and JORDAN, D.L., NC State Extension, Raleigh, NC 27695.
8:45	**Results from a Grower Meeting Survey on Key Pests and Their Management in the Virginia-Carolina Region** *, , , , , , , , , , , , , , , PENDLETON, B., , , , , , , , , , SMITH, M., , , , , , , REISIG, D., LUX, L., and JORDAN, D.L., NC State Extension, Raleigh, NC 27695; , , , , , , , , and , Virginia Cooperative Extension Service, Blacksburg, VA; , , , , , , , , , , and , Clemson Cooperative Extension Service, Clemson, SC 29634.
9:00	**Experiences and Perspectives with On-Farm Trials in Martin County, North Carolina** *, JORDAN, D.L., REISIG, D., and LUX, L., NC State Extension, Raleigh, NC 27695.
9:15	**A Two-Year Evaluation of Root-knot Nematode (RKN) Resistant Peanut Varieties and a Plant Growth Regulator (PGR) in Southwest Georgia** *, Marion/Webster Agriculture and Natural Resources Agent, UGA Extension Southwest District, Preston, GA 31824; , Department of Plant Pathology, University of Georgia Tifton Campus, Tifton, GA 31793; , Sumter County Agriculture and Natural Resources Agent, UGA Extension Southwest District, Americus, GA 31709; , Terrell County Agriculture and Natural Resources Agent, UGA Extension Southwest District, Dawson, GA 39842; MONFORT, W.S., Department of Crop and Soil Sciences, University of Georgia Tifton Campus, Tifton, GA 31793.

8:00 – 8:45	**Charles Simpson Wild Species Session** Meeting Room: *Moderator: Soraya Leal-Bertioli, University of Georgia*
8:00	**Unlocking the Genetic Diversity of Peanut Wild Relatives: Progress and Prospects for Allotetraploid Production and Utilization** **LEAL-BERTIOLI, S.L.M.***, Institute of Plant Breeding, Genetics & Genomics and Department of Plant Pathology, The University of Georgia, Athens, GA 30602; , , HOPKINS, M., Institute of Plant Breeding, Genetics & Genomics, The University of Georgia, Athens, GA 30602; BERTIOLI, D.J., Institute of Plant Breeding, Genetics & Genomics and Department of Crop & Soil Sciences, The University of Georgia, Athens, GA 30602.
8:15	**A Second New Source of Nematode Resistance from *A. stenosperma* V10309** **BERTIOLI, D.J.*,** Institute of Plant Breeding, Genetics & Genomics, Department of Crop & Soil Sciences, University of Georgia, Athens, GA, 30602; , Institute of Plant Breeding, Genetics & Genomics, University of Georgia, Athens, GA, 30602; BRENNEMAN, T.B., Department of Plant Pathology, University of Georgia, Tifton, GA, 31793; BROWN, N., Department of Crop & Soil Sciences, University of Georgia, Tifton, GA, 31793; LEAL-BERTIOLI, S.C.M., Institute of Plant Breeding, Genetics & Genomics, Department of Plant Pathology, University of Georgia, Athens, GA, 30602.
8:30	**Enhancing Methods for Polyploidy Induction in Wild Peanut Species** *, , Department of Horticultural Science, North Carolina State University, Raleigh, NC 27695, USA; , , Department of Crop and Soil Science, North Carolina State University, Raleigh, NC 27695, USA.

9:00 – 10:45	**Joe Sugg Ph.D. Competition II** Meeting Room: *Moderator: Bob Kemerait, University of Georgia*
9:00	**A Field Study on Peanut Responses to Midseason Combined Heat and Drought Stress** **VENNAM, R.R.*,** BALOTA, M., Tidewater Agricultural Research and Extension Center, Virginia Polytechnic Institute and State University, Suffolk, VA, 23437, School of Plant and Environmental Sciences, Virginia Polytechnic Institute and State University, Blacksburg, VA, 24061; HAAK, D.C., School of Plant and Environmental Sciences, Virginia Polytechnic Institute and State University, Blacksburg, VA, 24061.
9:15	**Defense Against Aflatoxin Contamination in Peanut Breeding Lines with Introgressions from Wild *Arachis cardenasii*** *, LEAL-, Department of Plant Pathology, University of Georgia Athens Campus, Athens, GA 30601; BERTIOLI, D., Department of Crop and Soil Sciences, University of Georgia Athens Campus, Athens, GA 30601; , USDA-Agricultural Research Service, Germplasm Conservation Unit, Griffin, GA 30224; FOUNTAIN, J., Department of Plant Pathology, University of Georgia Griffin Campus, Griffin, GA 30224.
9:30	**BREAK**
9:45	**The Role of Genetic Instability in Peanut Domestication and Its Lasting Impact on Cultivated Varieties** ***,** , Institute of Plant Breeding, Genetics and Genomics, University of Georgia, Athens, GA 30602; LEAL-, Department of Plant Pathology, University of Georgia, Athens, GA 30602; BERTIOLI, D., Institute of Plant Breeding, Genetics and Genomics, University of Georgia, Athens, GA 30602.
10:00	**Effects of Climate and Landscape Structure on Thrips Population Dynamics and Tomato Spotted Wilt Virus Incidence Within Fields Across the Florida Pan Handle** ***,** , University of Florida, Department of Entomology & Nematology, North Florida Research and Education Center, Quincy, FL 32351.
10:15	**Characterization of a Major QTL Influencing Shell Strength in Virginia-Type Peanuts: Genetic Basis, Evolutionary Origin, and Implications for Breeding** *, , , , Department of Field Crops, Institute of Plant Sciences, Agriculture Research Organization - the Volcani Center, 7505101 Rishon LeZiyyon, Israel.
10:30	**Balancing Weed Control: Evaluating Cover Crops and Herbicide Dissipation in Georgia Peanuts** *****, , , Crop and Soil Sciences Department, University of Georgia, Athens, GA 30606; , Crop and Soil Sciences Department, University of Georgia Tifton Campus, Tifton, GA 31793; EASON, K., USDA-Agricultural Research Services, Weed Science Research, Tifton, GA 31793; , Crop and Soil Sciences Department, University of Georgia Tifton Campus, Tifton, GA 31793; , Crop and Soil Sciences Department, University of Georgia, Athens, GA 30606.

9:45 – 12:00	**Grower-Focused Session** Meeting Room: *Moderator: Scott Monfort, University of Georgia*
9:45	**The Peanut Variety and Quality Evaluation (PVQE) Program** *, , , Tidewater Agricultural Research and Extension Center, Virginia Polytechnic Institute and State University, Suffolk, VA 23437; JORDAN, D.L., North Carolina State University, Raleigh, NC 27695; , Clemson University, Blackville, SC 29817.
10:00	**Evaluating Options for Rootworm Management in Peanut** **ABNEY, M.R.***, Department of Entomology, University of Georgia, Tifton, GA 31793-5766.
10:15	**Benghal Dayflower in Georgia: A Review** ***,** Department of Crop & Soil Sciences, University of Georgia, Tifton, GA 31793.
10:30	**Percentage of In-Season Stand Reduction at Different Crop Growth Stages** **TUBBS, R.S.*,** MONFORT, W.S., and PILON, C., Crop and Soil Sciences Department, University of Georgia, Tifton, GA 31793; , and , National Crop Insurance Services, Overland Park, KS 66210.
10:45	**Growth and Yield Response of Early Applications of Prohexadione Calcium in Peanut (*Arachis hypogaea* L.)** **MONFORT, W.S.***, and TUBBS, R.S., Crop and Soil Sciences Dept., University of Georgia, Tifton, GA 31793; , Fine-Americas, Inc., Franklin, NC 28734.
11:00	**Influence of Calcium Sources on Soil and Pod Calcium Levels, and Peanut Yield** **SINGH, H.*,** SINGH, S., SINGH, K., DAR, E.A., SHAH, A., West Florida Research and Education Center, Department of Agronomy, University of Florida, Jay, FL, 32565.
11:15	**How Approaches to Peanut Production Have Changed in Northampton County and North Carolina During the Past Three Decades and Where We are Heading** ***,** and JORDAN, D.L., North Carolina State University, Raleigh, NC 27695.
11:30	**Comparison of Ten Peanut White Mold Fungicide Programs in Bulloch County, Georgia** *, Bulloch County Cooperative Extension, University of Georgia, Statesboro, GA 30458; , Department of Plant Pathology, University of Georgia, Tifton, GA 31794.
11:45	**Contributions of the Bureau of Food Security's Peanut Innovation Lab Production Packages Project on Ghana and North Carolina** **JORDAN, D.L.*** and , North Carolina State University, Raleigh, NC 27695; , , , , and , Council for Scientific and Industrial Research-Savanna Agricultural Research Institute, Nyankpala, Tamale, Ghana; , Department of Crop Science, Faculty of Agriculture, Food and Consumer Sciences, University for Development Studies, Nyankpala, Tamale, Ghana; , , , , , , , , and , Council for Scientific and Industrial Research - Crops Research Institute, Kumasi, Ghana; , , , and , Kwame Nkrumah University of Science and Technology, Kumasi, Ghana.

10:45 – 12:00	**Food Science (Processing, Utilization, Nutrition, and Allergy) & Harvesting, Curing, Shelling, and Handling** Meeting Room: *Moderator: Lisa Dean, USDA ARS*
10:45	**Incorporating High-Oleic Peanuts in Layer diets: Impact on Production, Nutritional Profile and Economic Viability** , Prestage Department of Poultry Science, NC State University, Raleigh, NC 27695; , Food Science & Market Quality and Handling Research Unit, ARS, US Dept. of Agriculture, Raleigh, NC 27695; , *****, , Prestage Department of Poultry Science, NC State University, Raleigh, NC 27695; , Food Science & Market Quality and Handling Research Unit, ARS, US Dept. of Agriculture, Raleigh, NC 27695.
11:00	**Phytosterol Analysis of Selected Peanut Genotypes from the USDA-ARS Germplasm Resources Information Network (GRIN)** *****, , , Department of Chemistry and Biochemistry, Lubbock Christian University, Lubbock, TX.
11:15	**Enhancing Pod and Seed Phenotyping in Peanut Using Computer Vision and Low-Cost Imaging** *, , Department of Crop and Soil Science, North Carolina State University, Raleigh, NC; , , Department of Electrical and Computer Engineering, North Carolina State University, Raleigh, NC.
11:30	**Revisiting A Kernel Moisture Loss Model During Windrow Curing** **ZURWELLER, B.*,** , TUBERVILLE, J., MAY, J., Plant and Soil Sciences, Mississippi State University, Mississippi State, MS 39762; , , , Agronomy Department, University of Florida, Gainesville, FL 32611; HOLTON, R., Institute of Plant Breeding, Genetics, Genomics, University of Georgia, Tifton, GA 31794.
11:45	**Fire Detection in Stored Peanuts: Measuring Flow Dynamics of Pre-Combustion Gases** *****, National Peanut Research Laboratory, Agricultural Research Service, U.S. Department of Agriculture, Dawson, GA 39842; , , USDA ARS Cotton Production and Processing Research Unit, Lubbock, TX 79403; , AMB, M.C., ODD, K.D., , National Peanut Research Laboratory, Agricultural Research Service, U.S. Department of Agriculture, Dawson, GA 39842.

1:30 – 3:15	**Plant Pathology and Nematology** Meeting Room: *Moderator: David Langston, Virginia Tech*
1:30	**Genotypic Response of Peanut to Leaf Spot Under Different Fungicide Regimes** **GOYZUETA, M.D.***, TILLMAN, B.L., , , CASTRO, S.C., LEONARD, D.J., University of Florida, North Florida Research and Education Center, Marianna, FL; , Department of Plant Breeding, Universität Hohenheim, Stuttgart, Germany; and , Cornell Cooperative Extension, Cornell University, Albion, NY.
1:45	**Effect of Contiguous Peanut Genotypes on Incidence of Tomato Spotted Wilt in Georgia-06G** **CULBREATH, A.K.***, BAG, S., , Department of Plant Pathology, Univ. of Georgia, Tifton, GA 31793-5766; ABNEY, M.R., Department of Entomology, Univ. of Georgia, Tifton, GA 31793-5766.
2:00	**Efficacy of Fungicides for Managing *Rhizopus* Seed Rot and Improving Peanut Stand and Vigor** *, , and Virginia Polytechnic Institute and State University, Suffolk, 23437.
2:15	**Observations from 39 Years of Research on Fungicides for Soilborne Peanut Diseases** **BRENNEMAN, T.B.*** and CULBREATH, A.K., Department of Plant Pathology, University of Georgia, Tifton, GA 31794.
2:30	**A Protocol to Elicit in vitro Germination of *Thecaphora frezzii* Teliospores, the Causal Agent of Peanut Smut** *, Foundation for the Study of Invasive Species, Hurlingham, Argentina; , USDA-ARS, Foreign Disease-Weed Science Research Unit, 1301 Ditto Avenue, Ft. Detrick, MD 21702, USA; , Instituto Nacional de Tecnología Agropecuaria, Manfredi, Argentina; , USDA-ARS, Foreign Disease-Weed Science Research Unit, 1301 Ditto Avenue, Ft. Detrick, MD 21702, USA; , Foundation for the Study of Invasive Species, Hurlingham, Argentina; , Instituto Nacional de Tecnología Agropecuaria, Manfredi, Argentina; , R.S., USDA-ARS, Peanut and Small Grains Research Unit, 1301 N. Western Road, Stillwater, OK 74075, USA.
2:45	**The evolution of *Thecaphora frezzii,* causal agent of peanut smut, in response to host selection pressure** *, Foreign Disease-Weed Science Research Unit, USDA Agricultural Research Service, Fort Detrick, MD, U.S.A.; , SCINet Program and ARS AI Center of Excellence, Office of National Programs, USDA Agricultural Research Service, Beltsville, MD, U.S.A. and Foreign Disease-Weed Science Research Unit, USDA Agricultural Research Service, Fort Detrick, MD, U.S.A.; , Instituto Nacional de Tecnologia Agropecuaria, Manfredi, Argentina; , Foundation for the Study of Invasive Species, Hurlingham, Buenos Aires Province, Argentina; , Foundation for the Study of Invasive Species, Hurlingham, Buenos Aires Province, Argentina; CLEVENGER, J., HudsonAlpha Institute for Biotechnology, Huntsville, AL, U.S.A.; , Peanut and Small Grains Research Unit, Oklahoma & Central Plains Agricultural Research Center, USDA Agricultural Research Service, Stillwater, OK, U.S.A.; , Peanut and Small Grains Research Unit, Oklahoma & Central Plains Agricultural Research Center, USDA Agricultural Research Service, Stillwater, OK, U.S.A.
3:00	**Chromosome-Level Genome Assembly of *Thecaphora frezzii,* Cause of Peanut Smut, Reveals a Highly Repetitive Genome and the Largest of the True Smut Fungi** *, SCINet Program and ARS AI Center of Excellence, Office of National Programs, USDA Agricultural Research Service, Beltsville, MD, U.S.A. and Foreign Disease-Weed Science Research Unit, USDA Agricultural Research Service, Fort Detrick, MD, U.S.A.; , Foreign Disease-Weed Science Research Unit, USDA Agricultural Research Service, Fort Detrick, MD, U.S.A.; , Department of Thoracic Surgery, Brigham & Women's Hospital, Boston, MA, U.S.A.; , Foundation for the Study of Invasive Species, Hurlingham, Buenos Aires Province, Argentina; , Foundation for the Study of Invasive Species, Hurlingham, Buenos Aires Province, Argentina; , Peanut and Small Grains Research Unit, Oklahoma & Central Plains Agricultural Research Center, USDA Agricultural Research Service, Stillwater, OK, U.S.A.; CLEVENGER, J., HudsonAlpha Institute for Biotechnology, Huntsville, AL, U.S.A.; , Peanut and Small Grains Research Unit, Oklahoma & Central Plains Agricultural Research Center, USDA Agricultural Research Service, Stillwater, OK, U.S.A.

1:30 – 3:15	**Physiology and Seed Technology** Meeting Room: *Moderator: Cristiane Pilon, University of Georgia*
1:30	**Photosynthetic Quantum Efficiency of Wild-Derived and Cultivated Peanuts** , **PILON, C.***, , , Crop and Soil Sciences Department, University of Georgia Tifton Campus, Tifton, GA 31793; , Plant Pathology Department, University of Georgia, Athens, GA 30602; BERTIOLI, D., Crop and Soil Sciences Department, University of Georgia, Athens, GA 30602.
1:45	**Influence of Root Characteristics in Water User and Water Spender Drought Tolerant Peanut Cultivars** **SANZ-SAEZ, A.*,** ZHANG, Q., , , FENG, Y., , Dep. of Crop, Soil and Environmental Sciences, Auburn University, Auburn, AL 36849, USA; DANG, P., USDA-ARS, National Peanut Research Laboratory, Dawson, GA 39842, US; , , Integrative Crop Ecophysiology Group, Plant Physiology Section, Faculty of Biology, University of Barcelona, 08028 Barcelona, Spain.
2:00	**Impact of Seed Traits on Seedling Vigor in Peanut** ***,** BROWN, N., , , Institute of Plant Breeding, Genetics, and Genomics, Department of Crop and Soil Sciences, University of Georgia, Tifton, GA, 31793.
2:15	**Is Prohexadione Calcium Effect on Peanut Yield Dependent on Plot Size or Weather?** **BALOTA, M.***, Tidewater Agricultural Research and Extension Center (TAREC), Suffolk, Virginia 23437.
2:30	**Studying Leaf and Canopy Response of Water Saver and Water Spender Peanut Cultivars to Drought Conditions** *, Crop, Soil and Environmental Science, Auburn University, AL, 36849; CHEN, C., Crop, Soil and Environmental Science, Auburn University, AL, 36849; , Biosystem Engineering, Auburn University, AL,36849; , USDA, ARS, National Peanut Research Laboratory, Dawson, GA, 39842; SANZ-SAEZ, A., Crop, Soil and Environmental Science, Auburn University, AL, 36849.
2:45	**Plant Physiological Thresholds and their Links with Aflatoxin Production under Climate Stress** ***,** , and , Agronomy Department University of Florida/IFAS, Gainesville, Florida 32611; , , Plant Pathology Department University of Florida, Gainesville, Florida 32611; , , North Florida Research and Education Center, Marianna, Florida 32446.
3:00	**A First Year Look at the Composition Changes Due in a Range of Peanut Lines Grown in Dryland Plots** *, , USDA-Agricultural Research Service, Food Science and Market Quality and Handling Research Unit, Raleigh, NC, 27695-7624; DANG, P., LAMB, M., USDA-Agricultural Research Service, National Peanut Research Laboratory, Dawson, GA, 29842; , JLA International, Albany, GA, 31721, IEH Laboratories, Lake Forest Park, WA 98155.

3:30 – 5:00 Poster #	MS Poster Competition Meeting Room:
1	**Improving Drought Resilience in Runner Peanuts: Breeding for High Yield, High Oleic Content, and Root Knot Nematode Resistance in West Texas** *, Department of Soil and Crop Sciences, Texas A&M University, College Station, TX,77843; , Department of Soil and Crop Sciences, Texas A&M University, College Station, TX, 77843; , Texas A&M AgriLife Research, Stephenville, TX,76401; , Texas A&M AgriLife Research; , Department of Plant and Soil Science, Texas Tech University, Lubbock, TX 79409 and Texas A&M AgriLife Research, Lubbock, TX, 79403; , , and , Cropping Systems Research Laboratory, USDA-ARS, Lubbock, TX, 79415; , and , Texas A&M AgriLife Research, Lubbock, TX, 79403; BUROW, M.D., Texas A&M AgriLife Research, Lubbock, TX, 79403, and Department of Plant and Soil Science, Texas Tech University, Lubbock, TX 79409.
2	**Transcriptomic Analysis of *Arachis hypogaea L.* to Identify Genes Conferring Resistance to *Meloidogyne arenaria* (Neal) Chitwood** *, Department of Plant and Soil Science, Texas Tech University, Lubbock, TX 79409; , Texas A& M AgriLife Research, Lubbock, TX, 79403; , Texas A& M AgriLife Research and Extension Centre at Stephenville, Stephenville, TX,76401; SIMPSON, C.E., Texas A& M AgriLife Research and Extension Centre at Stephenville, Stephenville, TX,76401; , Department of Agriculture, Agribusiness, and Environmental Sciences, Texas A&M University, Kingsville, TX 78363; BUROW, M.D., Texas A&M AgriLife Research, Lubbock, TX, 79403, and Department of Plant and Soil Science, Texas Tech University, Lubbock, TX 79409.
3	**Identifying Optimal NIR-based Sorting Thresholds to Isolate Genotypes with Desired Compositional Traits for Peanut Breeding Programs** *, BROWN, N., Institute of Plant Breeding, Genetics, and Genomics, Department of Crop and Soil Sciences, University of Georgia, Tifton, GA 31793; , , JLA Global, Albany, GA 31721.
4	**Evaluation of Late Leaf Spot-Resistant Peanut Breeding Lines with Putative Novel Resistance from TxAG-6** *, BROWN, N., Institute of Plant Breeding, Genetics, and Genomics, Department of Crop and Soil Sciences, University of Georgia, Tifton, GA 31793. , , TX Texas A&M AgriLife Research, Texas A&M University System, Stephenville, TX, 76401.
5	**Strategies of Iron Management in Alkaline Sandy Soils for Peanut Production in North Florida** *, , , , ., Agronomy Department, University of Florida – North Florida Research and Education Center, Institute of Food and Agricultural Sciences, Quincy, FL 32351; , North Florida Research and Education Center-Suwannee Valley, University of Florida – Institute of Food and Agriculture Sciences, Live-Oak, FL 32060.
6	**Screening Advanced Peanut Breeding Lines for Photosynthetic Drought Tolerance** *, PILON, C., BROWN, I.N., , Department of Crop and Soil Sciences, University of Georgia Tifton Campus, Tifton, GA 31793; IOLI, S., Department of Plant Pathology, University of Georgia, Athens, GA 30602; BERTIOLI, D., Department of Crop and Soil Sciences, University of Georgia, Athens, GA 30602.
7	**Effectiveness of Controlled-Released Potassium Fertilization in Peanut Production in Sandy Soils of Northcentral Florida** *, , , , Agronomy Department, University of Florida - North Florida Research and Education Center, Quincy, FL 32 Agronomy Department, University of Florida - North Florida Research and Education Center, Quincy, FL; , Northeast Extension District, University of Florida -North Florida Research and Education Center, Live Oak, FL; , Agronomy Department, University of Florida - North Florida Research and Education Center, Quincy, FL

3:30 – 5:00 Poster #	PhD Poster Competition Meeting Room:
8	**Genotypic Differences in Photosynthetic Heat Tolerance Using Wild-Derived and Cultivated Peanuts** ***,** PILON, C., , Department of Crop and Soil Sciences, The University of Georgia, Tifton, GA 31793-0748; , Department of Plant Pathology, The University of Georgia, Athens, GA 30602-0000; BERTIOLI, D., Department of Crop and Soil Sciences, The University of Georgia, Athens, GA 30602-0000.
9	**Utilizing PACE Marker to Identify Candidate RKN-Resistance Gene Region on Chrom 9A Introgressed from *Arachis cardenasii*** ***,** , Crop and Soil Science Department, North Carolina State University, Raleigh, NC 27606; , Crop and Soil Science Department, North Carolina State University, Raleigh, NC 27606; , Department of Entomology and Plant Pathology, North Carolina State University, Raleigh, NC 27606; , Crop and Soil Science Department, North Carolina State University, Raleigh, NC 27606.
10	**Transcriptomic Insights into Heat-Induced Lipid Remodeling for Thermotolerance in Peanut** ***,** SPIVEY, W.W., , Department of Plant & Environmental Sciences, Clemson, SC 29634; , Department of Plant and Soil Sciences, Texas Tech University, Lubbock, TX 79409, and Texas A&M AgriLife Research, Lubbock, TX 79403; NARAYANAN, S., Department of Plant & Environmental Sciences, Clemson, SC 29634.
11	**Utilizing Flow Cytometry to Estimate the Genome Sizes of Various *Arachis sp.* Species from Multiple Taxonomic Sections** ***,** , , Texas A&M, Department of Soil and Sciences, College Station, TX, 77840, , , Texas A&M Research, Texas A&M University System, Stephenville, TX 76401, , Texas A&M, Department of Soil and Crop Sciences, Department of Plant Pathology and Microbiology, College Station, TX, 77840.
12	**Development and Analysis of Crosses Made from Runner Introgression Populations for High Oleic Oil Content and Resistance to Early Leaf Spot in Peanut** ***,** Biological Sciences, Amarillo College, Amarillo, TX 79178, and Texas Tech University, Dept. of Plant and Soil Science, Lubbock, TX 79409; , USDA-ARS, Stillwater, OK 74075; ASON, J., and , Texas A&M AgriLife Research, Stephenville, TX 76401; , Savana Agricultural Research Institute, Ghana; and , Texas A&M AgriLife Research, Lubbock, TX 79403, and Texas Tech University, Dept. of Plant and Soil Science, Lubbock, TX 79409.
13	**Harnessing Wild Arachis Species for Peanut Improvement Using CSSLs** ***,** HOPKINS, M.S., , Institute of Plant Breeding, Genetics & Genomics, University of Georgia, Athens, GA, 30602; LEAL-BERTIOLI, S.C.M., Institute of Plant Breeding, Genetics & Genomics, Department of Plant Pathology, University of Georgia, Athens, GA, 30602; BERTIOLI, D.J., Institute of Plant Breeding, Genetics & Genomics, Department of Crop & Soil Sciences, University of Georgia, Athens, GA, 30602.
14	**Virginia Peanut Maturity Indicators Obtained from Aerial Imaging and Analysis for Phenomic Prediction** ***,** Department of Crop Science, North Carolina State University, Raleigh, NC 27695; , Department of Crop Science, North Carolina State University, Raleigh, NC 27695; , Department of Crop Science, North Carolina State University, Raleigh, NC 27695; , Department of Crop Science, North Carolina State University, Raleigh, NC 27695.
15	**Genomic Prediction and QTL-Mapping of TSWV Resistance in Cultivated Peanut using Conventional and High-Throughput Disease Assessmen** ***,** BROWN, N., Institute of Plant Breeding, Genetics and Genomics, Department of Crop and Soil Sciences, University of Georgia, Tifton, GA 31793; , Institute of Plant Breeding, Genetics and Genomics, Department of Crop and Soil Sciences, University of Georgia, Athens, GA 30602.

3:30 – 5:00 Poster #	**PhD Poster Competition** Meeting Room:
16	**Identification of Southern Corn Rootworm Injury in Peanuts using Deep Convolutional Neural Network Based-YOLO** ***,** CHANDEL, A.K., Department of Biological Systems Engineering, Virginia Tech, Blacksburg, VA 24061, Virginia Tech Tidewater Agricultural Research and Extension Center, Holland Road, Suffolk, VA 23437; , , Department of Entomology, Virginia Tech, Blacksburg, VA 24061, Virginia Tech Tidewater Agricultural Research and Extension Center, Holland Road, Suffolk, VA 23437; BALOTA, M., School of Plant and Environmental Sciences, Virginia Tech, Blacksburg, VA 24061, Virginia Tech Tidewater Agricultural Research and Extension Center, Holland Road, Suffolk, VA 23437.
17	**Role of *FAD2* Genes in Conferring Heat-Tolerance and Enhancing Seed Oil Quality in Peanut** ***,** , , Department of Plant and Environmental Sciences, Clemson University, Clemson, SC 29634; , Department of Plant and Soil Sciences, Texas Tech University, Lubbock, TX 79409, and Texas A&M AgriLife Research, Lubbock, TX 79403; NARAYANAN, S., Department of Plant and Environmental Sciences, Clemson University, Clemson, SC 29634.
18	**Assessing Root Hairs Using Artificial Intelligence (AI) to Understand the Contribution of Peanut Root Hairs in Drought Tolerance** **, F.*,** CHEN, C., SANZ-SAEZ, A., Crop, Soil and Environmental Science, Auburn University, AL 36849; ; ; , Biosystem Engineering, Auburn University, AL 36849; DANG, P., USDA-ARS, National Peanut Research Laboratory, Dawson, GA 39842.
19	**Evaluating Early Season Post-Emergence Herbicide Injury in Peanut** ***,** , , Tidewater Agricultural Research and Extension Center, Virginia Polytechnic Institute and State University, Suffolk, VA 23437; FOOTE, E., JORDAN, D.L., North Carolina State University, Raleigh, NC 27695.
20	**Genetic Improvement of High-Oil Peanut for Dual Stress Tolerance and Renewable Energy Production** ***,** Texas A&M, Department of Soil and Crop Sciences, College Station, TX 77843, , , Texas A&M AgriLife Research, Texas A&M University System, Stephenville, TX 76401, , Texas A&M, Department of Biochemistry and Biophysics, College Station, TX 77843, , Texas A&M, Department of Soil and Crop Sciences, College Station, TX 77843, , Texas A&M AgriLife Research, Texas A&M University System, Lubbock, TX 79403, BUROW, M.D., Texas A&M AgriLife Research, Texas A&M University System, Lubbock, TX 79403 & Texas Tech University, Department of Plant and Soil Science, Lubbock, TX 79409.
21	**How cropping systems influence aflatoxin in different locations in the North Florida region** ***,** , , , Agronomy Department, University of Florida, North Research and Education Center, Quincy, FL 32351.
22	**A Weather Driven Statistical Modeling Framework for Predicting Aflatoxin Risk in Peanut Production: Development of a Decision-Support Tool** ***,** , Agronomy Department, University of Florida, Tropical Research and Education Center, Homestead, FL 33031; TILLMAN, B.L., Agronomy Department, University of Florida, North Florida Research and Education Center, Marianna, FL 32446.
23	**Integrating Machine Learning to Study Xylem Characteristics and Drought Resilience in Peanuts** ***,** Crop, Soil and Environmental Science, Auburn University, AL, 36849; , Biosystem Engineering, Auburn University, AL,36849; CHEN, C., Crop, Soil and Environmental Science, Auburn University, AL, 36849; , Biosystem Engineering, Auburn University, AL,36849; , USDA, ARS, National Peanut Research Laboratory, Dawson, GA, 39842; , Biosystem Engineering, Auburn University, AL,36849; SANZ-SAEZ, A., Crop, Soil and Environmental Science, Auburn University, AL, 36849.

3:30 – 5:00 Poster #	General Poster Session Meeting Room:
24	**An updated KASP Marker-based Genetic Linkage Map of an Interspecific Introgression Population of Peanut (*Arachis hypogaea* L.) and Identification of Leafspot Resistance QTLs** **TENGEY, T.K.*,** CSIR-Savanna Agricultural Research Institute, NL-1032-0471, Nyankpala, Ghana and Texas A&M AgriLife Research, Lubbock, TX 79403; SIMPSON, C.E., Texas A&M AgriLife Research, Stephenville, TX 7640; , Texas A&M AgriLife Research, Stephenville, TX 76401; , Department of Veterinary Pathobiology, College of Veterinary Medicine, Texas A&M University, College Station, TX 77843; Department of Plant and Soil Science, Texas Tech University, Lubbock, TX 79409 and Department of Agriculture, Agribusiness and Environmental Sciences, Texas A&M University, Kingsville, TX 78363; BUROW, M.D., Texas A&M AgriLife Research, Lubbock, TX 79403, and Department of Plant and Soil Science, Texas Tech University, Lubbock, TX 79409.
25	**The Evolution of the Spanish Peanut (*Arachis hypogaea*) through Selective Breeding** ***,** Tarleton State University, Stephenville, TX 76401, Texas A&M AgriLife Research, Stephenville, TX 76401; , SIMPSON, C.E., , Texas A&M AgriLife Research, Stephenville, TX 76401; BUROW, M.D., Texas A&M AgriLife Research, Lubbock, TX 79403, Department of Plant and Soil Science, Texas Tech University, Lubbock, TX 79409.
26	**Machine Learning Algorithms to Genomic Selection in a Peanut Breeding Program** ***,** Instituto de Investigaciones Agrobiotecnológicas (INIAB, UNRC-CONICET) , , , , , , Instituto de Investigaciones Agrobiotecnológicas (INIAB, UNRC-CONICET), Unidad de Fitopatología y Modelización Agrícola (UFYMA, CONICET).
27	**Accelerating High Oil Peanut Improvement through UAV-Enabled High-Throughput Phenotyping** ***,** , , , , Texas A&M AgriLife Research, Stephenville, TX 76401; , Texas A&M AgriLife Research, Lubbock, TX 79403, and Texas Tech University, Department of Plant and Soil Science, Lubbock, TX 79409.
28	**Registration of Texas A&M AgriLife Research's First High-oil Peanut Lines Tx137967 and 31-08-05-03** , SIMPSON, C.E., , , ***,** Texas A&M AgriLife REC, 1229 N. US Hwy 281, Stephenville, TX 76401; BUROW, M.D., Texas Tech University, Dept. of Plant and Soil Science, Lubbock TX, 79409; , Texas A&M AgriLife REC, 1102 East FM 1294, Lubbock, TX 79403; , Texas A&M AgriLife Research REC, 11708 US-70 South Vernon, TX 76384; BARING, M.R., Texas A&M AgriLife Research, College Station, TX 77843-2474.
29	**Release of Peanut Germplasm with Resistance to White Mold** **HOLBROOK, C.C.*,** USDA-ARS, Tifton, GA; CHU, Y., Department of Horticulture, Institute of Plant Breeding, Genetics and Genomics, University of Georgia, Tifton, GA; BRENNEMAN, T.B., Department of Plant Pathology, University of Georgia, Tifton, GA; CLEVENGER, J., HudsonAlpha Institute for Biotechnology, Huntsville, AL; , Department of Horticulture, Institute of Plant Breeding, Genetics and Genomics, University of Georgia, Tifton, GA; , Department of Crop and Soil Sciences, North Caroline State University, Raleigh, NC.
30	**(*A. valida* x *A. duranensis*)^{4x}: a Novel Source of Resistance to Groundnut Rosette and Late Leaf Spot Diseases for African Peanut Cultivars** **ESSANDOH, D.A.*,** Institute of Plant Breeding, Genetics & Genomics, University of Georgia, Athens, GA 30602; , CIRAD, INRAE, AGAP, University Montpellier, Institut Agro, Montpellier, France; , Institute of Plant Breeding, Genetics and Genomics, University of Georgia, Athens, GA, United States; , Oil Crops Research Program, National Semi-Arid Resources Research Institute (NaSARRI), Soroti, Uganda; BERTIOLI, D.J., Institute of Plant Breeding, Genetics & Genomics and Department of Crop & Soil Sciences, The University of Georgia, Athens, GA 30602 and; LEAL-BERTIOLI, S.L.M., Institute of Plant Breeding, Genetics & Genomics and Department of Plant Pathology, The University of Georgia, Athens, GA 30602.

3:30 – 5:00 Poster #	General Poster Session continued Meeting Room:
31	**Economic Feasibility Analysis of Peanut Crushing Plant for use of OilMax Peanut Varieties** , Department of Agricultural Economics, Texas A&M University, College Station, TX 77843, *, Texas A&M AgriLife Research, Texas A&M University System, Stephenville, TX 76401, , Peanut Solutions LLC, Atlanta, GA, 30339, , Texas A&M AgriLife Research, Texas A&M University System, Vernon, TX 76384.
32	**Consumer Perception of Peanuts and Peanut Products** , Department of Food, Bioprocessing and Nutrition Sciences, North Carolina State University, Raleigh, NC, 27695-7624; ***,** USDA-Agricultural Research Service, Food Science and Market Quality and Handling Research Unit, Raleigh, NC, 27695-7624; , , Department of Food, Bioprocessing and Nutrition Sciences, North Carolina State University, Raleigh, NC, 27695-7624; , Department of Crop and Soil Sciences, North Carolina State University, Raleigh, NC 27695-7620.
33	**Efficacy of Isocycloseram Against Two Soil-Insect Pests of Peanut in a Laboratory Bioassay** ***,** and ABNEY, M.R., Department of Entomology, The University of Georgia, Tifton, GA 31793.
34	**Susceptibility of Peanut Cultivars to Peanut Burrower Bug Feeding Injury in Georgia** ***,** Department of Entomology, Virginia Tech, Easternshore Agricultural Research and Extension Center, Painter, VA. ABNEY, M., Department of Entomology, University of Georgia Tifton Campus, Tifton, GA. , College of Agricultural & Environmental Sciences, University of Georgia Griffin Campus, Griffin, GA.
35	**Evaluating Peanut Fungicide Programs for Cost and Yield in Southwest Georgia** ***,** Marion/Webster County Extension, Preston, GA 31824; , Lee County Extension, Leesburg, GA 31763; , Southwest District Ag Water Team, Tifton, GA 31793; , Extension Plant Pathologist, Department of Plant Pathology, University of Georgia, Tifton, GA 31793; , Sumter County Extension, Americus, GA 31709; LYON, D., Southwest District Ag Water Team, Tifton, GA 31793; , Terrell County Extension, Dawson, GA 39842; , Crisp County Extension, Cordele, GA 31010; , Ben Hill County Extension, Fitzgerald, GA 31750; , Dooly/Schley County Extension, Vienna, GA 31092; , Stewart County Extension, Lumpkin, GA 31815.
36	**2024 Webster County Peanut Drying Trial** ***,** Marion/Webster County Extension, Preston, GA 31824; , Lee County Extension, Leesburg, GA 31763; , Southwest District Ag Water Team, Tifton, GA 31793; , Sumter County Extension, Americus, GA 31709; LYON, D., Southwest District Ag Water Team, Tifton, GA 31793; , Terrell County Extension, Dawson, GA 39842; , Crisp County Extension, Cordele, GA 31010; , Ben Hill County Extension, Fitzgerald, GA 31750; , Dooly/Schley County Extension, Vienna, GA 31092; , Stewart County Extension, Lumpkin, GA 31815.
37	**Evaluation of Two Biological Products on Peanut Yields in Southwest Georgia** ***,** Marion/Webster County Extension, Preston, GA 31824; , Lee County Extension, Leesburg, GA 31763; , Southwest District Ag Water Team, Tifton, GA 31793; , Sumter County Extension, Americus, GA 31709; LYON, D., Southwest District Ag Water Team, Tifton, GA 31793; , Terrell County Extension, Dawson, GA 39842; , Crisp County Extension, Cordele, GA 31010; , Ben Hill County Extension, Fitzgerald, GA 31750; , Dooly/Schley County Extension, Vienna, GA 31092; , Stewart County Extension, Lumpkin, GA 31815.
38	**Peanut Variety Evaluation in Colquitt County, Georgia** ***,** , UGA Extension, Moultrie, GA 31788: MONFORT, W.S., University of Georgia, Tifton, GA 31793.

3:30 – 5:00 Poster #	**General Poster Session continued** Meeting Room:
39	**Two-Year Evaluation of Peanut Variety Response to Kudos Growth Regulator** ***,** Area Agronomy Agent, University of Georgia, Statesboro, GA 30458; , Extension Peanut Agronomist, University of Georgia, Tifton, GA 31793; , Treutlen County Extension Agent, University of Georgia, Soperton, GA, 30457; , Emanuel County Extension Agent, University of Georgia, Swainsboro, GA, 30401.
40	**South Carolina Peanut Farmer Production Practices Survey** , , , , , , , , , , , , Clemson University Cooperative Extension, Clemson, SC, 29634; , Clemson University Center for Agricultural Technology, Edisto Research and Education Center, Blackville, SC 29817; , Agricultural Sciences Department, Clemson University, Clemson, SC 29634; ***,** Edisto Research and Education Center, Department of Plant and Environmental Sciences, Clemson University, Blackville, SC 29817.
41	**Management Efficacy and Response to Post-Application Precipitation of Fungicides for Southern Stem Rot of Peanut and Evaluation of Co-Application with Micronized Sulfur** ***,** , Edisto Research and Education Center, Department of Plant and Environmental Sciences, Clemson University, Blackville, SC 29817; ZURWELLER, B., Department of Plant and Soil Sciences, Mississippi State University, Mississippi State, MS 39762.
42	**Master Irrigator Program Leads to Increased Adoption Rate of New Technologies for Irrigation Management** ***,** , , , , , , , , , , , HALL, D., , LYON, D., MALLARD, J., , , PORTER, W., , , , , , , , Cooperative Extension, University of Georgia.
43	**Assessing Aflatoxin Levels in Irrigated Peanut Fields with Dryland Corners** ***,** Cooperative Extension, University of Georgia, Tifton, GA; , Cooperative Extension, University of Georgia Ocilla, GA; , Cooperative Extension, University of Georgia, Sylvester, GA; HALL, D., Cooperative Extension, University of Georgia, Cochran, GA; , Cooperative Extension, Camilla, GA; , Cooperative Extension, University of Georgia, Moultrie, GA; LYON, D., Cooperative Extension, University of Georgia, Tifton, GA; MALLARD, J., Cooperative Extension, University of Georgia, Statesboro, GA; , Cooperative Extension, University of Georgia, Fitzgerald, GA; , Cooperative Extension, University of Georgia; , Cooperative Extension, Douglas, GA; University of Georgia , Cooperative Extension, University of Georgia, Swainsboro, GA; , Cooperative Extension, University of Georgia, Moultrie, GA; , Crop and Soil Sciences, University of Georgia Tifton, GA; PILON, C., Crop and Soil Science, University of Georgia Tifton, GA; PORTER, W., Crop and Soil Science, University of Georgia Tifton, GA.
44	**Evaluation of Drought-Tolerant Novel Peanut (*Arachis hypogaea* L) Genotypes to Photosynthetic Rates and Yield** [1,2], [1], [3], ***[3],** and [1] [1]Crop Production Systems Research Unit, USDA-ARS, Stoneville, MS-38776, USA; [2] ICAR-Indian Institute of Groundnut Research, Regional Research Station, Ananthapur, AP-515001, India; [3]New Mexico State University, Agricultural Science Center at Clovis – New Mexico – 88101, USA.
45	**Impact of Mid-Season Heat and Drought on Peanut Yield and Quality in Virginia** **VENNAM, R.R.*,** BALOTA, M., Tidewater Agricultural Research and Extension Center, Virginia Polytechnic Institute and State University, Suffolk, VA, 23437, School of Plant and Environmental Sciences, Virginia Polytechnic Institute and State University, Blacksburg, VA, 24061.

3:30 – 5:00 Poster #	General Poster Session continued Meeting Room:
46	**Redefining Drought Tolerance in Peanut: Hydraulic Traits Emerge as Field-Relevant Predictors** *[1,2]; [1], [1], [2], [1]. [1]USDA-ARS National Peanut Research Laboratory, Dawson, GA, USA. [2]Department of Crop and Soil Sciences, North Carolina State University, Raleigh, NC, USA.
47	**Fungicide Program Evaluation in Short Rotation Irrigated Peanuts in Berrien County, Georgia** *, University of Georgia, Berrien County, Nashville, GA 31639; , University of Georgia, Atkinson County, Pearson, GA 31642; , University of Georgia Department of Plant Pathology, Tifton, GA 31793.
48	**Collecting Mating Type Data on *Nothopassalora personata* directly from Late Leaf Spot Tissue of Peanut** **GREMILLION, S.*,** Department of Biology, Georgia Southern University, Savannah, GA 31419; ROBERSON, G., Biology Department, Valdosta State University, Valdosta, GA 31698; , USDA-ARS, Dawson, GA 39842; CULBREATH, A., Department of Plant Pathology, University of Georgia, Tifton, GA 31794; CANTONWINE, E., Biology Department, Valdosta State University, Valdosta, GA 31698.
49	**Effects of Cotton and Corn Rotations and Cover Crops on Peanut Pod Rot and Nematodes in Oklahoma** .*, Peanut and Small Grains Research Unit, Oklahoma and Central Plains Agricultural Research Center, USDA-ARS, Stillwater, OK 74075; , , Livestock, Forage and Pasture Management Research Unit, Oklahoma and Central Plains Agricultural Research Center, USDA-ARS, El Reno, OK 73036; , , , , Department of Entomology and Plant Pathology, Oklahoma State University, Stillwater, OK 74078; , OAES Caddo Research Station, Oklahoma State University, Fort Cobb, OK 73038; BAUGHMAN, T., Institute for Agricultural Biosciences, Oklahoma State University, Ardmore, OK 73401.
50	**Influence of Row Pattern and Prohexadione Calcium on Peanut (*Arachis hypogaea* L.) Maturity and Pod Distribution** *, Edisto Research and Education Center, Department of Plant and Environmental Sciences, Clemson University, Blackville, SC 29817; , Clemson University Center for Agricultural Technology, Edisto Research and Education Center, Blackville, SC 29817; , Agricultural Sciences Department, Clemson University, Clemson, SC 29634; , Edisto Research and Education Center, Department of Plant and Environmental Sciences, Clemson University, Blackville, SC 29817.
51	**Peanut Response to Tillage System and Bedding in North Carolina** **GARNER, E.H.*,** JORDAN, D.L., LUX, L.A., REISIG, D., AUSTIN, R., and , North Carolina State University, Raleigh, NC 27695.
52	**Soil Moisture Conservation in Peanut (*Archis hypogea* L.) Production Systems** *, , , and , Department of Crop, Soil and Environmental Sciences, 201 Funchess Hall, Auburn University, Auburn AL.
53	**Plant Growth Regulator Enhances Peg Strength, and Pod Yield in Different Peanut Varieties** **SINGH, S.*,** SHAH, A., SINGH, K., DAR, E.A., , SINGH, H., West Florida Research and Education Center, Department of Agronomy, University of Florida, Jay, FL, 32565.
54	**Evaluating the Effect of Organic Herbicides on Various Weed Species** **EASON, K.*,** Agriculture Research Service, United States Department of Agriculture, Tifton, GA 31793; , Department of Crop and Soil Sciences, The University of Georgia, Tifton, GA 31793.

3:30 – 5:00 Poster #	General Poster Session continued Meeting Room:
55	**Peanut Response to Variable Rate and Timing Applications of Aminopyralid (Milestone®)** ***,** and , Department of Crop & Soil Sciences, University of Georgia, Tifton, GA 31794.
56	**Weed Control and Peanut Tolerance with Norflurazon in Texas and Oklahoma** *, Texas A&M AgriLife Research, Corpus Christi, TX 78406; , Texas A&M AgriLife Research, Lubbock, TX 79403; ***,** Texas A&M AgriLife Research, Lubbock, TX 79403; , Texas Tech University, Lubbock, TX 79409-2122.
57	**Optimizing Planting Date and Variety Selection for Insect Management in Virginia Peanuts** ***,** , , Tidewater Agricultural Research and Extension Center, Virginia Tech, Suffolk, VA 23437.
58	**Genotype-by-Environment Interaction and Genomic Breeding Strategies for Peanut Improvement in South Carolina State** ***** and Center of Plant Breeding, Genetics and Genomics (CPBGG), Public Service and Agriculture, South Carolina State University, 300 College Street, Orangeburg, SC 29117.

Index of Authors

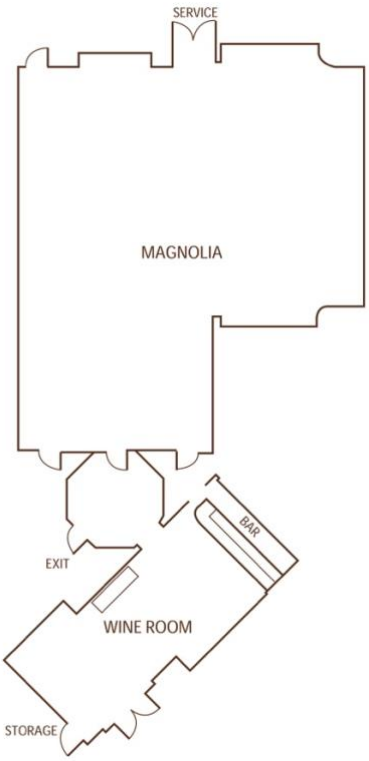
Omni Richmond Meeting Space

2nd Floor

Richmond Conference

First Floor

Richmond Magnolia




58th Annual
APRES MEETING
Caribe Hilton
SAN JUAN, PUERTO RICO
JULY 14–16, 2026