Nº. 86

GEORGIA ENTOMOLOGICAL SOCIETY Annual Meeting



April 3-5, 2024 | Jekyll Island, GA

Villas by the Sea Resort & Conference Center



WELCOME

Brett Blaauw, President

Welcome to the 86th annual meeting of the Georgia Entomological Society, held here along the beautiful Georgia coast on Jekyll Island. From Driftwood beach to the Horton House, the island is full of beauty and history. And while peach production has moved hundreds of miles inland, Franciscan monks introduced peaches to St. Simons and Cumberland islands in the late 1500's, just a hop, skip, and a jump away from here! What an amazing place to meet with friends, colleagues, and students.

I want to thank Ash Sial as President-Elect for putting together a wonderful program. On Wednesday afternoon we will have our (in)famous Fishing Tournament (don't forget to *follow the rules*) and the delightful Fun Run. On Thursday, we will get to honor David Riley of UGA with the Founder's Lecture, presented by Dr. Stormy Sparks. We have also resurrected the GES Fellows after several years of no honorees. This year we are privileged to honor Michael Strand of UGA as the 2024 GES Fellow and Keynote Speaker, which will be presented by Gaelen Burke. Congrats to both of the 2024 honorees, who are both giants in their respective fields.

As a real treat, Drs. Kris Braman and Nancy Hinkle have put together a brief history of the GES. I cannot wait to learn more about this wonderful society! In addition, this year's symposium includes five speakers, bridging the gap between engineering and entomology. Also, during lunch, Lisa Ames will present the Photo Salon, so be sure and vote for your

favorite photo! Thursday afternoon we will hear presentations from future leaders in Entomology when we have the student paper competitions. On Friday will be contributed papers from regular members who will be competing for the highly coveted O.I. Snapp Award. And please do not forget the 18 posters, which will be on display in Retreat A.

It has been a huge honor to serve the society over this past year. I would like to express my deep appreciation to all those who volunteer their time, effort, and support (Committee Members, Moderators, Speakers, and Industry Sponsors)! It is all of you that will make this 86th Annual Meeting of the Georgia Entomological Society a success!

Originally from rural Southwest Michigan, Brett Blaauw received his BA from Kalamazoo College, his MS from Western Michigan University, and his PhD from Michigan State University. Brett was privileged enough to postdoc at Rutgers University in NJ where he worked primarily on peach research. He is now an Associate Professor and Extension Specialist with a dual appointment at the University of Georgia and Clemson University. He has a focus on peach entomology, but also has extension responsibilities for a variety of other fruits, including apples and grapes. Brett now has over 20 years of experience working in fruit systems and has loved every minute of it!

SCHEDULE OVERVIEW

Wednesday April 3, 2024

1:00 - 5:00 PM	Fishing Tournament (Meet at Pier – Will Hudson)
4:00 - 6:00 PM	Registration (Villas Lobby)
4:00 - 7:00 PM	Poster Set Up (Retreat A)
5:00 PM	Entomology Fun Run (Meet in Villas Lobby – Jason Schmidt)
6:30 PM	Executive Committee Meeting (Meet in Villas Lobby)

Thursday April 4, 2024

7:00 - 8:00 AM	Registration (Conference Center Lobby)		
7:00 - 8:00 AM	Poster Set Up (Retreat A)		
7:00 – 7:55 AM	Load Talks onto Computer (Wildhorn-Hopeton)		
8:00 – 5:00 PM	Poster Displays (<i>Retreat A</i>)		
8:00 – 8:10 AM	Welcome & Announcements (Wildhorn-Hopeton)		
8:10 – 8:25 AM	Journal of Entomological Science Update		
8:25 – 8:30 AM	2024 Friends of IPM Award		
8:30 – 8:45 AM	2024 GES Founders Lecture & Honoree Award Presentation		
8:45 – 9:00 AM	2024 GES Fellows Lecture & Honoree Award Presentation		
9:00 - 9:30 AM	Keynote Speaker – Michael Strand		
9:30 – 9:45 AM	GES History Presentation		
9:45 - 10:00 AM	Break		
10:00 – 11:40 AM	Symposium: Expanding the horizons of IPM		
11:40 – 1:00 PM	Photo Salon & Luncheon (Wildhorn-Hopeton)		
1:00 – 1:30 PM	B.S. Student Paper Competition		
1:30 – 2:10 PM	M.S. Student Paper Competition		
2:10 – 2:40 PM	Break (Authors at posters)		
2:40 – 4:40 PM	Ph.D. Student Paper Competition		
4:40 – 5:00 PM	Industry Panel		
5:30 – 7:00 PM	GES Student Awards Presentations (Retreat A & B)		
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Friday April 5, 2024

7:00 - 8:00 AM	Registration (Conference Center Lobby)
7:00 - 8:00 AM	Load Talks onto Computer (Wildhorn-Hopeton)
8:00 - 12:00 PM	Poster Displays (Retreat A)
8:10 - 11:10 AM	Regular Member Paper Session (Wildhorn-Hopeton)
11:10 – 12:00 PM	Business Meeting

FOUNDERS HONOREE - 2024

David Riley



Dr. David G. Riley is an emeritus professor in the Department of Entomology at The University of Georgia (UGA). He received his B.S. in Agronomy from UGA, in 1981, his M. S. in Entomology from NC State University, in 1986, and his Ph. D. in Entomology from the University of Florida, in 1990. He was promoted from assistant to associate professor at Texas A&M University from 1990-96, and completed the entire promotion and tenure process at UGA from assistant to full professor during his professional career at the University of Georgia from 1996 to 2023. During his tenure at UGA he served as president of the Georgia Entomological Society in 2011, president of the SE Branch of the Entomological Society of America in 2016, and has chaired numerous society committees at the state,

regional and national levels over the years. In 2016, he received the ESA Recognition Award for Entomology for the SEB of the ESA and, in 2017, received the same award at the national level. Dr. Riley received other awards, but most appreciated his recognition by the Southern IPM Center in the 2018 Friends of Southern IPM-IPM Educator Award. He Served as the Graduate Coordinator for the MPPPM degree in which he developed a student handbook and taught several courses, one which he developed, ENTO 4350/6350 Crop-Specific Insect Management. This award also recognized his efforts in graduate student education, which currently totals serving as major professor for 28 graduate students and serving on 24 other graduate student committees. Dr. Riley's research was well funded over the years, including \$5 million as principal investigator for research grants, with a total research grant involvement of over \$18 million. Dr. Riley has authored or coauthored 10 book chapters, 100 refereed journal articles, 54 editor refereed publications, 45 experiment station publications, 30 published proceeding papers, and 211 other publications. At professional meetings he presented 45 invited presentations at the international and national levels and 122 invited talks at the regional or local levels, additionally submitting over 227 talks. His research included vegetable insect management, insect population dynamics, and plant - insect interactions, the development of economic injury levels/threshold, evaluating host plant resistance and insecticide resistance management. Several recent areas of emphasis include the management of insecticide resistant diamondback moth, Plutella xylostella, in Cole crops, management of thrips-vectored Tospovirus in vegetable crops, management of cowpea curculio in cowpeas, the management of whitefly-vectored Begomovirus in vegetable crops and insecticide resistance management in whiteflies.

FOUNDERS LECTURER - 2024

Stormy Sparks

Dr. Alton N. Sparks, Jr. was born in Lubbock, Texas in 1957. His father was a USDA-ARS entomologist and his mother was a school teacher; thus, education was an emphasis within the family with one sister becoming an entomologist and the other two became school teachers. Dr. Sparks grew up in Tifton, Georgia where he eventually graduated from Abraham Baldwin Agricultural College before finishing his undergraduate degree in agriculture at the University of Georgia in 1980. He earned both a M.S. and PhD in entomology at Louisiana State University in 1984 and 1986, respectively. Dr. Sparks has over 30 years of experience as an Extension Entomologist working with production agriculture. He served 14 years with the Texas Agricultural Extension Service in the Lower Rio Grande Valley of Texas. Since 2002, Dr. Sparks has served as an



extension entomologist with the University of Georgia Extension with responsibilities for pest management in commercial vegetable production. Throughout his career, Dr. Sparks' extension program has emphasized applied research and education targeted at local production problems.

FELLOWS HONOREE - 2024

Michael Strand



Dr. Michael R. Strand is a Professor in the Department of Entomology at the University of Georgia. He also holds appointments in the Center for Tropical and Emerging Global Diseases, Faculty of Infectious Diseases, Department of Genetics and School of Ecology. Dr. Strand received his B.S. and Ph.D. from Texas A&M University and completed a postdoctoral fellowship at Imperial College (UK). He was hired as an Assistant Professor at the University of Wisconsin-Madison in 1987 and was promoted to Professor in 1995. He moved to the Department of Entomology at the University of Georgia in 2002. Primary research interests focus on the interactions. between parasites, microbes, and insects. Projects in the lab have ranged from examining

molecular and physiological processes to studying life history evolution and ecology. Dr. Strand has authored or co-authored more than 260 peer-reviewed journal papers and book chapters. Research support has primarily derived from the National Institutes of Health, National Science Foundation, and US Department of Agriculture. Service contributions include appointments on journal editorial boards, grant evaluation panels, and committees for different agencies or professional societies. Dr. Strand has served as major advisor for more than eighty graduate students and post-doctoral scientists. He has taught several different courses. At the University of Georgia, Dr. Strand was selected as a Distinguished Research Professor in 2006, Regents Professor in 2013, and H. M. Pulliam Chair in 2019. He was elected a Fellow of the American Association for the Advancement of Science (AAAS) in 2009, a Fellow of the Entomological Society of America in 2012, and received the Career Achievement Award from the International Congress of Entomology in 2023. He was elected to the US National Academy of Sciences (NAS) in 2017.

FELLOWS LECTURER - 2024

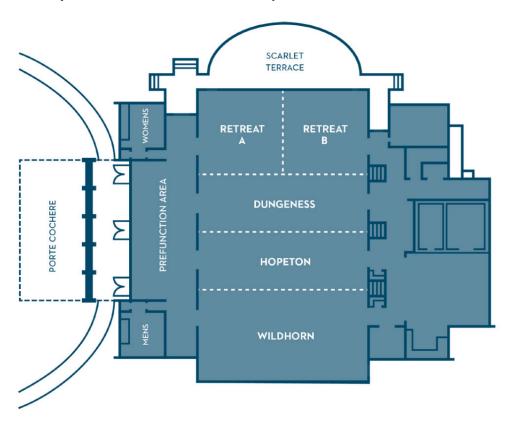
Gaelen Burke

Gaelen Burke is an Associate Professor in the Department of Entomology at the University of Georgia. She grew up in Australia and completed her Bachelor of Science degree at the University of Queensland in Australia, majoring in microbiology and genetics. Dr. Burke moved to the US to pursue graduate studies with Dr. Nancy Moran at the University of Arizona and studied the function and evolution of facultative bacterial symbionts of pea aphids. After completing her PhD, Dr. Burke joined Dr. Michael Strand's lab as a postdoctoral researcher and NIH NRSA fellow and began to study parasitoid wasps and viruses. In 2014, Dr. Burke joined the faculty in the Department of Entomology at the University of



Georgia and developed a research program that continued to focus upon host-microbe interactions, specifically on the genomics, molecular evolution, and function of microbes with beneficial functions in insects. She has continued to work on bacterial symbionts of sap-sucking insects and viruses produced by parasitoid wasps.

Villas by the Sea Conference Center Map





SCHEDULE

Thursday April 4, 2024

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7:00 - 7:55 AM	Registration (Conference Center Lobby)		
7:00 - 7:55 AM	Poster Set Up (Retreat A)		
7:00 - 7:55 AM	Load Talks onto Computer (Wildhorn-Hopeton)		
8:00 - 5:00 PM	Poster Displays (Retreat A)		

Opening Session

Wildhorn-Hopeton • President Brett Blaauw, presiding

8:00 – 8:10 AM	Welcome & Announcements (Wildhorn-Hopeton)		
8:10 – 8:25 AM	Journal of Entomological Science Update		
8:25 – 8:30 AM	2024 Friends of IPM Award - IPM Communicator Honoring Elmer W. Gray; Presented by Joe LaForest		
8:30 – 8:45 AM	2024 GES Founders Lecture Honoring David Riley & Award Presentation; Presented by Stormy Sparks		
8:45 – 9:00 AM	2024 GES Fellows Lecture Honoring Michael Strand & Award Presentation; Presented by Gaelen Burke		
9:00 – 9:30 AM	Keynote Speaker – <i>Michael Strand, "Neurohormones regulate mosquito attraction to humans and reproduction"</i> Moderated by Ash Sial		
9:30 – 9:45 AM	GES History Presentation Presented by Kris Braman and Nancy Hinkle		
9:30 – 9:45 AM 9:45 – 10:00 AM			
	Presented by Kris Braman and Nancy Hinkle		
9:45 – 10:00 AM	Presented by Kris Braman and Nancy Hinkle Break Symposium: Expanding the horizons of IPM to address pest problems in the age of AI and data science;		

Symposium, continued

Wildhorn-Hopeton

10:40 - 11:00 AM	Current Status of Pesticide Application Technologies and Opportunities for Advancing Precision Pest Management through AI, Data Science and Technology Integration. Simer Virk. Department of Crop and Soil Sciences, University of Georgia, Tifton, GA.
11:00 - 11:20 AM	Crop Assessment Through AI Algorithm Exploration. Guoyu Lu . College of Engineering, University of Georgia, Athens, GA.
11:20 - 11:40 AM	Advancing Crop Health: Harnessing Precision Agricultural Technologies for Disease and Pest Management. Md Sultan Mahmud . Department of Plant Pathology, University of Georgia, Athens, GA.
11:40 - 1:00 PM	Luncheon (Wildhorn-Hopeton) Photo Salon; Presented by Lisa Ames

B.S. Student Paper Competition

1:00 - 1:10 PM	Rescue from Hybrid Mortality in Nasonia Wasps through an Interspecific Introgression of Nuclear-Encoded Mitochondrial-targeted Genes. Sam McGinn ¹ , Josh Gibson ¹ , and Jack Werren ² . ¹ Department of Biology, Georgia Southern University, Statesboro, GA. ² University of Rochester.
1:10 - 1:20 PM	Detection Of Igg-Type Antibodies to Spotted Fever Group Rickettsiae in Sera of Healthy Individuals from Georgia, USA. Kay'La Brennon , Nakaiya Hight, and Marina E. Eremeeva. Department of Biology, Georgia Southern University Statesboro, GA.
1:20 - 1:30 PM	Hello From the Other Side: Comparison of Forested and Edge Communities of Hoverflies (Syrphidae). Riley Forrestall ¹ , Miriam Edelkind-Vealey ² , C. Scott Clem ² , and Kris Braman ² . ¹ Odum School of Ecology, University of Georgia. ² Department of Entomology, University of Georgia, Athens, GA.

M.S. Student Paper Competition

Wildhorn-Hopeton

1:30 - 1:40 PM	Bait acceptance and seasonal activity of the Asian needle ant, Brachyponera (=Pachycondyla) chinensis (Emery), an emerging medically important species, in Central Georgia. Karen Corsetti and Daniel R. Suiter. Department of Entomology, University of Georgia, Griffin, GA.
1:40 - 1:50 PM	Friend or foe? Aggressive and non-aggressive behaviors in Dorymyrmex species. Renee Nowicki and Joshua D. Gibson. Department of Biology, Georgia Southern University, Statesboro, GA.
1:50 - 2:00 PM	Characterizing rootworm feeding and its influence on peanut pod yield. Jeret Royston and Mark Abney. Department of Entomology, University of Georgia, Tifton, GA.
2:00 - 2:10 PM	Seasonal blow fly distribution and abundance across the Georgia fall line. Gillian Johnson , Summer Williams, Evan Lampert, and Ed Mondor. Department of Biology, Georgia Southern University, Statesboro, GA.
2:10 - 2:40 PM	Break (Authors at Posters)

Ph.D. Student Paper Competition

2:40 - 2:50 PM	Prevalence and diversity of Rickettsia species in ixodid ticks
	from Baird's tapirs (<i>Tapirus bairdii</i>) from Costa Rica. Taylor
	Pearson ¹ , Jorge Rojas ² , Alec T. Thompson ³ , Kevin Richmond,
	Kaylon Coats ¹ , Uriel Rivera, Garrett Cribbs, Sonia M.
	Hernandez ² , Michael J. Yabsley ¹ . ¹ College of Veterinary
	Sciences, University of Georgia, Athens, GA. ² Warnell School
	of Forestry and Natural Resources, University of Georgia,
	Athens, GA. ³ Department of Population Health, University of
	Georgia, Athens, GA.



Ph.D. Student Paper Competition, continued

2:50 - 3:00 PM	Efficacy Of Linalool (Monoterpenoid) Against Sitophilus zeamais Motschulsky (Coleoptera: Curculionidae) on Stored Maize Grain. Mohammed Quarshie ¹ , Enoch A. Osekre ² , Seth Asare ³ . ¹ University of Georgia, Department of Entomology, Athens, GA. ² Department of Crop and Soil Science, Kwame Nkrumah of Science and Technology, Kumasi, Ghana. ³ Department of Crop Science, University of Ghana.
3:00 - 3:10 PM	Aphid gene expression following polerovirus acquisition is host species dependent. Sudeep Pandey ¹ , Michael Catto ¹ , Phillip Roberts ² , Sudeep Bag ³ , Alana Jacobson ⁴ , Rajagopalbabu Srinivasan ¹ . ¹ Department of Entomology, University of Georgia, Griffin, GA. ² Department of Entomology, University of Georgia, Tifton, GA. ³ Department of Plant Pathology, University of Georgia, Tifton, GA. ⁴ Department of Entomology and Plant Pathology, Auburn University, Auburn, AL.
3:10 - 3:20 PM	Combating Whiteflies and Viral Threats: Identifying Resistance in Squash Germplasm Lines. Gurjit Singh ¹ , Alexander Luckew2, Cecilia McGregor ² , Rajagopalbabu Srinivasan ¹ . ¹ Department of Entomology, University of Georgia, Griffin, GA. ² Department of Horticulture, University of Georgia, Athens, GA.
3:20 - 3:30 PM	Surviving the Winter: Overwintering of Flower Thrips in Blueberry Crops. Rosan Adhikari and Ashfaq A. Sial. Department of Entomology, University of Georgia, Athens, GA.
3:30 - 3:40 PM	Sub-lethal Effects of Insecticides on Exotic and Resident Parasitoids of Spotted-Wing Drosophila. Subin B. Neupane ¹ , Jason M. Schmidt ² , and Ashfaq A. Sial ¹ , ¹ Department of Entomology, University of Georgia, Athens, GA. ² Department of Entomology, University of Georgia, Tifton, GA.
3:40 - 3:50 PM	Impact of ant population on aphids and beneficial insects in pecan production system. Shivakumar Veerlapati , Rajendra Acharya, and Apurba Barman. Department of Entomology, University of Georgia, Tifton, GA.



Ph.D. Student Paper Competition, continued

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lb	oraging behavior of bees on centipedegrass spikelets. Daniel iyemi ¹ , Karen-Harris Shultz ² , David Jespersen ³ , and Shimat iseph ¹ . ¹ Department of Entomology, University of Georgia,
laı laı	bundance of bee groups is affected by human associated ndscape use characteristics in Georgia residential ndscapes. Zia Williamson and Shimat Joseph. Department Entomology, University of Georgia, Griffin, GA.
Di Ex Cr Ch Ge	evelopment of a PCR-Based Diagnostic Assay for iamondback Moth and Its Applications For Research and ktension. Thomas Patrick 'Sam' Dunn ¹ , Paulo S. G. remonez ¹ , Alton Sparks, Jr. ¹ , David G. Riley ¹ , and Donald E. nampagne ² . ¹ Department of Entomology, University of eorgia, Tifton, GA. ² Department of Entomology, University of eorgia, Athens, GA.

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	Friday April 5, 2024
7:00 - 7:55 AM	Registration (Conference Center Lobby)
7:00 - 7:55 AM	Poster Set Up (Retreat A)
7:00 - 7:55 AM	Load Talks onto Computer (Wildhorn-Hopeton)
8:00 - 11:30 AM	Poster Displays (Retreat A)

Regular Member Session

8:00 - 8:10 AM	Welcome & Announcements (Wildhorn-Hopeton)
8:10 - 8:20 AM	Exploiting sex pheromones to effectively manage San Jose scale in Georgia peach production. Brett R. Blaauw . Department of Entomology, University of Georgia, Athens, GA.
8:20 - 8:30 AM	Evaluation of Entomopathogenic Nematodes for Management of Assorted Weevil Pests in Pecan. Eddie Kyle Slusher and David Shapiro-Ilan. USDA-ARS Southeastern Fruit and Tree Nut Research Station, Byron, GA.
8:30 - 8:40 AM	Butterfly Beauties and Dragonfly Damsels: Highlights of Insect Themes in Sculpture and Paintings since the Victorian Age. Linda A. Smyth. Emeritus Member, Retired, Macon, GA
8:40 - 8:50 AM	Game of Clones: Behavioral, Morphological, and Transgenerational Plasticity in Aphids. Edward B. Mondor. Department of Biology, Georgia Southern University, Statesboro, GA.
8:50 - 9:00 AM	Combining entomopathogenic nematodes with conventional insecticides for better whitefly management. Jermaine Perier ¹ , David Shapiro-Ilan ² , Micheal Toews ¹ , Alvin Simmons ³ . ¹ Department of Entomology, University of Georgia, Tifton, GA. ² USDA-ARS, Byron, GA. ³ USDA-ARS, Charleston, SC.
9:00 - 9:10 AM	Update from the Black Fly Research and Resource Center. Elmer W. Gray, Skyler M. Kerr, Darold Batzer. Department of Entomology, University of Georgia, Athens, GA.

Regular Member Session, continued

9:10 - 9:20 AM	Post-Harvest Electronic Cold Pasteurization for In-Shell Pecan Weevil Control. Ted E. Cottrell ¹ , Quentin Read ² , Chip Starns ³ . ¹ USDA-ARS, Byron, GA. ² USDA-ARS, Raleigh, NC. ³ Reveam, Inc., Norcross, GA.
9:20 - 9:30 AM	Epizootics of entomopathogenic fungi in Georgia and Florida. Michael Toews ¹ , Shaohui Wu ² , Chris Dunlap ³ , Anamika Sharma ⁴ , Pasco Avery ⁵ , and David Shapiro-Ilan ⁶ . Department of Entomology, ¹ University of Georgia, Tifton, GA. ² Department of Entomology, The Ohio State University, Columbus, OH. ³ USDA-ARS, Peoria, IL. ⁴ Center for Biological Control, Florida A&M University, Tallahassee, FL. ⁵ Indian River Research and Education Center, University of Florida, Fort Pierce, FL. ⁶ USDA-ARS, Byron, GA.
9:30 - 9:40 AM	Evaluation of trap types for monitoring ambrosia beetle population. Rajendra Acharya , Shivakumar Veerlapati, and Apurba Barman. Department of Entomology, University of Georgia, Tifton, GA.
9:40 - 9:50 AM	Impact of environmental factors on burrower bug injury and aflatoxin on Georgia peanut. Kemper Sutton ¹ , Mark Abney ¹ , Cristiane Pilon ² , George Vellidis ² , Morgan Sysskind ² . ¹ Department of Entomology, University of Georgia, Tifton, GA. ² Department of Crop and Soil Sciences, University of Georgia, Tifton, GA.
9:50 - 10:00 AM	Managing leaf miners in organic citrus production in Georgia. Sydni Ingram ¹ , Rajendra Acharya ² , Shivakumar Veerlapati ² , and Apurba Barman ² . ¹ UGA Extension, Thomas County, GA. ² Department of Entomology, University of Georgia, Tifton, GA.
10:00 - 10:10 AM	Developing Vacuum Extraction: How a Children's Book Inspired the Development of a Novel spotted-wing Drosophila Larval Sampling Method. Arun Babu and Ashfaq A. Sial. Department of Entomology, University of Georgia, Athens, GA.



Regular Member Session, continued

10:10 - 10:20 AM	Bt and baculovirus mixtures potentially result in antagonistic effects in field diamondback moth control. Paulo S. G. Cremonez ¹ , Thomas Patrick 'Sam' Dunn ¹ , Charles Gruver ¹ , Will Brown ² , David G. Riley ¹ , and Donald E. Champagne ³ . ¹ Department of Entomology, University of Georgia, Tifton, GA. ² UGA Extension, Thomas County, GA. ³ Department of Entomology, University of Georgia, Athens, GA.
10:20 - 10:30 AM	Insects Foraging on Pearl Millet, Cenchrus americanus, Pollen. Jonathan O'Hearn ¹ , Karen Harris-Shultz ¹ , Joseph Knoll ¹ , and Scott Clem ² . ¹ USDA-ARS, Tifton, GA. ² Department of Entomology, University of Georgia, Athens, GA.
10:30 - 10:40 AM	Susceptibility of Corn Earworm to Pyrethroids: What Happened and a Potential Why. Phillip Roberts ¹ , Stormy Sparks ¹ , David Buntin ² , and Greg Payne ³ . ¹ Department of Entomology, University of Georgia, Tifton, GA. ² Department of Entomology, University of Georgia, Griffin, GA. ³ Department of Natural Sciences, West Georgia University, Carrollton, GA.
10:40 - 10:50 AM	A sustainable farmer-based method for production of entomopathogenic nematodes. David Shapiro-Ilan ¹ , Camila Oliveira-Hofman ^{1,2} , Shawn Steffan ³ . ¹ USDA-ARS, Byron, GA. ² Bayer Crop Science, Chesterfield, MO. ³ USDA-ARS, Madison, WI.
10:50 - 11:00 AM	Symbiont-mediated immunity in the kissing bug, <i>Rhodnius prolixus</i> . Kevin Vogel and Carissa Gilliland. Department of Entomology, University of Georgia, Athens, GA.
11:00 - 11:10 AM	Can microbiomes help understand insect migration? Pedro A. P. Rodrigues , C. Scott Clem, William E Snyder. Department of Entomology, University of Georgia, Athens, GA.
11:10 - 12:00 PM	Business meeting Necrology Report - Honoring Dr. Jerry Payne



Student Posters

Retreat A

SP-1 (BS)	Unlocking the Mysteries of Ant Movement. Darmon Kahvazadeh ¹ , Clint Pennick ² , Dal Hyung Kim ³ , Kaushik Rahman ³ . ¹ Department of Ecology, Evolution, and Organismal Biology, Kennesaw State University, Kennesaw, GA. ² Department of Entomology and Plant Pathology, Auburn University, Auburn, AL. ³ Department of Mechanical Engineering, Kennesaw State University, Kennesaw, GA.
SP-2 (BS)	Genetics of Hybrid Mortality in Nasonia Wasps. Summer Williams , Sam Mcginn, and Joshua Gibson. Department of Biology, Georgia Southern University, Statesboro, GA.
SP-3 (BS)	Genetic diversity of <i>Rickettsia amblyommatis</i> in ticks. Chiamaka Ogwara . Department of Biology, Georgia Southern University, Statesboro, GA.
SP-4 (MS)	Pollinator Visitation of Soybean Production Systems in Georgia. Susanne Deeb ¹ , David Buntin ¹ , and Bodie Pennisi ² . ¹ Department of Entomology, University of Georgia, Griffin, GA. ² Department of Horticulture, University of Georgia, Griffin, GA.
SP-5 (MS)	Tick surveillance on the Georgia Southern University Statesboro campus. Chekwube Martin Obianyo , S. Das, T. Adebile, and Marina E. Eremeeva. Department of Biology, Georgia Southern University, Statesboro, GA.
SP-6 (MS)	Postmortem analysis of insect attraction, colonization, and VOC emissions from concealed vertebrate remains. Gillian Johnson , Maddison Ullom, and Ed Mondor. Department of Biology, Georgia Southern University, Statesboro, GA.
SP-7 (MS)	Utilizing Resistant Rootstocks for the Management of Peachtree Borer (<i>Synanthedon exitiosa</i>) in Peach Orchards. Adam Schacherer ¹ , Ted Cottrell ² , Dario Chavez ³ , and Brett Blaauw ¹ . ¹ Department of Entomology, University of Georgia, Athens, GA. ² USDA-ARS, Byron, GA. ³ Department of Horticulture, University of Georgia, Griffin, GA.
SP-8 (PhD)	Lesser Mealworms, a Greater Problem. Raymond Fitzpatrick and Nancy Hinkle. Department of Entomology, University of Georgia, Athens, GA.
SP-9 (PhD)	Exploring Fruit Host Preferences in Parasitism Behavior of <i>Ganaspis brasiliensis</i> . Subin B. Neupane and Ashfaq A. Sial. Department of Entomology, University of Georgia, Athens, GA.

Student Posters, continued

Retreat A

SP-10 (PhD)	Exploring risk factors for insect borer attack in Georgia's urban landscapes. Zia Williamson ¹ , Brett R. Blaauw ² , and Shimat Joseph ¹ . ¹ Department of Entomology, University of Georgia, Griffin, GA. ² Department of Entomology, University of Georgia, Athens, GA.
SP-11 (PhD)	Preliminary results for thermal tolerance in <i>Zamia integrifolia</i> pollinators. Teri Ramey ¹ , Shayla Salzman ¹ , Alisha Shah ² . ¹ Department of Entomology, University of Georgia, Athens, GA. ² College of Natural Science, Michigan State University, Hickory Corners, MI.
SP-12 (PhD)	Systena frontalis (Coleoptera: Chrysomelidae): Flight Behavior in Ornamental Nurseries. Rajesh Vavilapalli and Shimat Joseph. Department of Entomology, University of Georgia, Griffin, GA.

Regular Member Posters

Retreat A

RP-1	Georgia Vegetable Entomology Textbook. David G. Riley , Alton Sparks, Jr., and Angelika P. Schmid-Riley. Department of Entomology, University of Georgia, Tifton, GA.
RP-2	Issues Surrounding the Entomological Society of America's Better Common Names Project. Shuntele N. Burns . Department of Biological Sciences, Alabama State University, Montgomery, AL.
RP-3	Vespids of North Georgia Apple and Peach Orchards. Kenneth W. McCravy and Brett R. Blaauw. Department of Entomology, University of Georgia, Athens, GA.
RP-4	Alpha-Gal Syndrome: Tick-Bite Induced Red Meat Allergy. Nancy C. Hinkle ¹ , Raymond Fitzpatrick ² , Greg Pittman ³ . ¹ Department of Entomology, University of Georgia, Athens, GA. ² UGA Extension, Franklin County, GA. ³ UGA Extension, Jackson County, GA.
RP-5	Release and recovery efforts of the parasitoid, <i>Ganaspis brasiliensis</i> , to control spotted-wing drosophila in Georgia. Ashfaq Sial and Cera Jones. Department of Entomology. University of Georgia, Athens, GA.
RP-6	Evaluating the Efficacy of Novel Behavioral Management Technologies for Spotted-Wing Drosophila. Ashfaq Sial , Arun Babu, and Cera Jones. Department of Entomology. University of Georgia, Athens, GA.

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PAST MEETINGS of the GES

Meeting Dates	Location
2 April 1937	Agricultural Experiment Station, Experiment
1 April 1938	Georgia Institute of Technology, Atlanta
28-30 Oct. 1938	Okefenokee Swamp, Fargo
6 May 1939	Georgia State College for Women, Milledgeville
, 14 Oct. 1939	Agricultural Experiment Station, Experiment
6 April 1940	Emory University, Atlanta
7 Nov. 1940	Agricultural Experiment Station, Experiment
5 April 1941	Wesleyan College, Macon
4 April 1942	Emory University, Atlanta
21 March 1944	Piedmont Hotel, Atlanta
29 March 1946	Agricultural Experiment Station, Experiment
10 April 1948	Baldwin Hall-UGA, Athens
30 April 1949	Jekyll Island Hotel, Jekyll Island
3-4 March 1950	American Legion, Fort Valley
9-10 March 1951	Abraham Baldwin Agricultural College, Tifton
7-8 March 1952	Savannah Hotel, Savannah
6-7 March 1953	Hotel Dempsey, Macon
12-13 March 1954	Ida Dunlap Little Library -UGA, Athens
4-5 March 1955	Radium Springs Hotel, Albany
8-9 March 1956	Manger Hotel, Savannah
19-20 March 1957	Rock Eagle 4-H Club Center, Eatonton
5-7 March 1958	King and Prince Hotel, St. Simons Island
4-5 March 1959	Radium Springs Hotel, Albany
30-31 March 1960	New Chemistry Building-UGA, Athens
8-9 March 1961	Wanderer Motel, Jekyll Island
20-22 March 1962	Radium Springs Hotel, Albany
20-22 March 1963	Holiday Inn, Pine Mountain
26-27 March 1964	Corsair Motel, Jekyll Island
9-11 March 1965	Downtown Holiday Inn, Atlanta
23-25 March 1966	Stuckey's Carriage Inn, Jekyll Island
21-23 March 1967	Manger Hotel, Savannah
19-21 March 1968	Elks Club, Albany
18-20 March 1969	Stuckey's Carriage Inn, Jekyll
17-19 March 1970	Downtowner Motor Inn, Albany
16-18 March 1971	DeSoto Hilton, Savannah
15-17 March 1972	King and Prince Hotel, St. Simons Island
28-30 March 1973	Macon Hilton Hotel, Macon
13-15 March 1974	Holiday Inn, Athens
19-21 March 1975	King and Prince Hotel, St. Simons Island
17-19 March 1976*	DeSoto Hilton, Savannah
16-18 March 1977	Downtowner Motor Inn, Albany

GES 2024

15-17 March 1978	King and Prince Hotel, St. Simons Island
21-23 March 1979*	Quality Inn, Hilton Head Island, SC
19-21 March 1980	Ramada Inn West, Macon
18-19 March 1981	Rural Development Center, Tifton
24-26 March 1982	History Village Inn & Conference Center, Athens
23-25 March 1983	Downtowner Motor Inn, Albany
21-23 March 1984	Buccaneer Motor Lodge, Jekyll Island
20-22 March 1985	Rural Development Center, Tifton
24-26 March 1986*	Sheraton Resort & Country Club, Savannah
18-20 March 1987	Quality Inn- Buccaneer, Jekyll Island
23-25 March 1988	Georgia Southern Col., Statesboro
22-24 March 1989	Univ. of Georgia, Athens
28-30 March 1990	Unicoi Lodge & Conference Center, Helen
27-29 March 1991	Callaway Gardens, Pine Mountain
25-27 March 1992	Clarion Resort Buccaneer, Jekyll Island
24-26 March 1993	Georgia Center for Continuing Ed., Athens
23-25 March 1994*	Sheraton Charleston Hotel, Charleston, SC
29-31 March 1995	Merry Acres Motel, Albany
27-29 March 1996	Holiday Inn-Midtown, Savannah
16-17 April 1997	Unicoi State Park, Helen
16-17 April 1998	Buccaneer Motor Lodge, Jekyll Island
14-16 April 1999	Rural Development Center, Tifton
6-7 April 2000	Georgia Center for Continuing Education, Athens
4-6 April 2001*	Georgia Mountain Center, Gainesville
3-5 April 2002	Georgia Southern University, Statesboro
2-4 April 2003	Holiday Inn, Jekyll Island
31 March – 2 April 2004	Callaway Gardens, Pine Mountain
30 March – 1 April 2005	Georgia Center for Continuing Education, Athens
29-31 March 2006	Holiday Inn, Jekyll Island
16-18 May 2007	Georgia Center for Continuing Education, Athens
2-4 April 2008	Lake Blackshear Resort & Golf Club, Cordele
1-3 April 2009	The Ridges Resort and Club, Hiawassee
6-8 October 2010*	Hickory Knob State Park, McCormick, SC
6-8 April 2011	Lake Blackshear Resort & Golf Club, Cordele
4-6 April 2012	Holiday Inn, Statesboro
10-12 April 2013	Amicalola Falls State Park & Lodge, Dawsonville
9-11 April 2014	James H. Rainwater Conference Center, Valdosta
8-10 April 2015	Villas by the Sea, Jekyll Island
6-8 April 2016	Callaway Gardens, Pine Mountain
5-7 April 2017	Villas by the Sea, Jekyll Island
4-6 April 2018*	Unicoi State Park and Lodge, Helen
10-12 April 2019	Lake Blackshear Resort and Golf Club, Cordele
13-15 April 2022	Villas by the Sea, Jekyll Island
19-21 April 2023	Unicoi State Park and Lodge, Helen
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^{*}Joint meeting of the Georgia Entomological Society and the South Carolina Entomological Society

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