**FLORIDA ENTOMOLOGY SOCIETY ANNUAL MEETING,**

**July 21-24, 2019, Jupiter Beach Resort and Spa, Jupiter FLORIDA**

**DAILY SCHEDULE OF MEETINGS AND FUNTIONS**

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| **SUNDAY, July 21st** |  |  |
| **Meeting/Function** | **Time** | **Room / Location** |
| Office | 11:00 AM – 11:00 PM | Manatee |
| Registration | 3:00 PM – 6:00 PM | Registration Desk |
| Executive Board Meeting | 6:00 PM – 7:00 PM | Manatee |
| **MONDAY, July 22nd** |  |  |
| Registration Continued | 8:00 AM – 5:00 PM | Registration Desk |
| Poster display set up | 8:00 AM – 5:00 PM | Marlin |
| Welcome to the meeting – Heather McAuslane | 8:00 AM – 8:05 AM | Sailfish |
| Remembering departed colleagues – Gregg Nuessly | 8:05AM – 8:15 AM | Sailfish |
| Local arrangements and meeting overview – Jawwad Qureshi | 8:15 AM – 8:20 AM | Sailfish |
| Presidential Address / Heather McAuslane | 8:20 AM – 8:40 AM | Sailfish |
| 2019 Pioneer Lecture | 8:40 AM – 9:25 AM | Sailfish |
| Coffee Break | 9:25 AM – 9:45 AM | Gallery |
| FES Business Meeting | 9:45 AM – 10:45 AM | Sailfish |
| Student Competition: Ph.D. | 10:45 AM – 12:00 PM | Amberjack |
| Graduate Student Luncheon – with Pioneer Lecturer | 12:00 PM -1:30 PM | Dolphin |
| Symposium 1: Laying the Foundations for Citrus and Vegetable Pest Management in Florida: A Man, a Mission, and a Legacy | 1:30 PM – 3:00 PM | Pompano |
| Student Competition: Ph.D. (Continued) | 1:30 PM – 2:15 PM | Amberjack |
| Student Competition: M.S. | 2:15 PM – 3:00 PM | Amberjack |
| Coffee break | 3:00 PM - 3:30 PM | Gallery |
| Student Competition: M.S. (Continued) | 3:30 PM – 4:30 PM | Amberjack |
| Symposium 1: Laying the Foundations for Citrus and Vegetable Pest Management in Florida: A Man, a Mission, and a Legacy (Continued) | 3:30 PM - 4:30 PM | Pompano |
| Listening session 1 – Visioning the future of FES: Students | 4:30 PM – 5:30 PM | Amberjack |
| Social Mixer and Poster Session – Authors present 6:30 PM to 8:30 PM | 6:30 AM – 8:30 PM | Terrace/Marlin |
| **TUESDAY, July 23rd** |  |  |
| Past President’s Breakfast | 7:00 AM – 8:00 AM | Sinclair’s |
| Registration Continued | 8:00 AM – 5:00 PM | Registration Desk |
| Symposium 2 - Uncharted Territory: Entomology in Support of Florida’s Emerging Crops and Production | 7:55 AM – 10:00 AM | Pompano |
| Coffee Break | 10:00 AM – 10:15 AM | Gallery |
| Symposium 3 – Invasive Scales and Mealybugs in Florida | 10:10 AM – 12:30 PM | Pompano |
| Awards Luncheon | 12:30 PM – 2:00 PM | Sailfish |
| Symposium 4 - Biological Control of Weeds in Florida | 2:00 PM – 3:50 PM | Pompano |
| Symposium 5 - Molecular ecology and medical entomology: Tools for revealing ecological interactions between insects and other organisms | 2:00 PM – 3:35 PM | Amberjack |
| Coffee Break and Poster Session - Authors present 3:30 PM to 5:00 PM | 6:30 AM – 5:00 PM | Gallery/Marlin |
| Listening session 2 – Visioning the future of FES: General | 4:30 PM – 5:30 PM | Bonito |
| **WEDNESDAY, July 24th** |  |  |
| Registration Continued | 8:00 AM – 12:00 PM | Registration Desk |
| Symposium 6 – Pest Control Challenges in the Southeastern United States | 7:55 AM – 9:00 AM | Pompano |
| Listening session 3 – Visioning the future of FES: General | 9:00 AM – 10:00 AM | Pompano |
| Submitted papers | 7:55 AM – 10:00 AM | Amberjack |
| Coffee Break | 10:00 AM – 10:30 AM | Gallery |
| Submitted papers (Continued) | 10:30 AM – noon | Amberjack |

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| Monday, July 22, 2019 – Morning | | |
| **Meeting/Function** | **Time** | **Location** |
| Welcome to the meeting – Heather McAuslane | 8:00 - 8:05 | Sailfish |
| Remembering departed colleagues – Gregg Nuessly | 8:05 - 8:15 | Sailfish |
| Local arrangements and meeting overview – Jawwad Qureshi | 8:15 - 8:20 | Sailfish |
| Presidential Address  **Heather McAuslane** *- The Role of the Florida Entomological Society in Science Communication* | 8:20 - 8:40 | Sailfish |
| 2019 Pioneer Lecture  **Howard Frank** – *Frederick Douglas Bennett, A Legend in Biological Control* | 8:40 - 9:25 | Sailfish |
| **Coffee Break** | 9:25 - 9:45 | Gallery |
| **FES Business Meeting** | 9:45 - 10:45 | Sailfish |
| Student Competition: Ph.D. (TBD, moderator) | 10:45 - 12:15 | Amberjack |
| **Jayshree S Patel** - *Temperature Preference of Two Invasive* Coptotermes *Species and their Hybrids (Blattodea: Rhinotermitidae)* | 10:45 - 11:00 | Amberjack |
| **Sang-Bin Lee** - *Foraging proportion of* Coptotermes formosanus *Shiraki (Blattodea: Rhinotermitidae) in Sand and Organic Soil* | 11:00 - 11:15 | Amberjack |
| **Joseph F. Velenovsky** - *Examination of the Parabasalian Symbiont Community of* Coptotermes gestroi *(Wasmann) and Coptotermes formosanus Shiraki (Blattodea: Rhinotermitidae) through Morphological and Molecular Techniques* | 11:15 - 11:30 | Amberjack |
| **Emilie P. Demard** - *Pest and Predacious Mite Complex of Citrus Under Protective Screen (CUPS)* | 11:30 - 11:45 | Amberjack |
| **Kelly Carruthers** - *Invasive Species Outreach Education in the K-12 Classroom* | 11:45 - 12:00 | Amberjack |
| Monday, July 22, 2019 – Afternoon |  |  |
| **Student Luncheon with Pioneer Lecture – others lunch on your own** | 12:00 - 1:30 | Dolphin |
| Student Competition: Ph.D. (TBD, moderator) |  |  |
| **Reina L. Tong** - *Trophic Path of Exuviae within Colonies of* Coptotermes gestroi *(Wasmann)* | 1:30 - 1:45 | Amberjack |
| **Olayinka David -** Andre Luis Costa-Da-Silva, and Matthew Degennaro - *Roles of Olfactory Receptors in* Aedes aegypti *Reproduction* | 1:45 - 2:00 | Amberjack |
| **Joshua I. Raji,** *Ir8a Mutant Mosquitoes Lose Strong Attraction to Humans* | 2:00 - 2:15 | Amberjack |
| Student Competition: M.S. (TBD, moderator) |  |  |
| **Wilfrid Calvin** - *Evaluation of Intercropping and Biological Insecticides on Sugarcane Aphid (Hemiptera: Aphididae) Infestations in Sorghum* | 2:15 - 2:30 | Amberjack |
| **Jessica Awad** - *Building a Diagnostic Framework for the Genus* Synopeas *(Hymenoptera: Platygastridae)* | 2:30 - 2:45 | Amberjack |
| **Johnalyn Gordon** - *Colony-age-dependent Variation in Cuticular Hydrocarbon Profiles in* Coptotermes  gestroi | 2:45 - 3:00 | Amberjack |
| Symposium 1: Laying the Foundations for Citrus and Vegetable Pest Management in Florida: A Man, a  Mission, and a Legacy |  | Pompano |
| **Introduction – Xavier Martini (moderator)** | 1:30 - 1:35 | Pompano |
| **Alberto Urbaneja**, Javier Calvo, Karel Bolckmans and Meritxell Pérez-Hedo, *The Unforgettable Sabbatical*  *Year of Phil Stansly in Spain: His Contribution to the Advance of Biological Control in Greenhouse*  *Vegetables of Southern Europe* | 1:35 - 1:50 | Pompano |
| **Amy Roda** and Jose Castillo, *Control of whitefly* Bemisia tabaci *(Hemiptera: Aleyrodidae) in Open Field*  *Tomato Crops in Florida Using Zoophytophagous Mirid Predators: A Characteristically Thorough Phil*  *Stansly Study* | 1:50 - 2:05 | Pompano |
| **Barry Kostyk,** Phil Stansly, and Jose Castillo, *Biological Control of Insect Pests in Field Grown Eggplant* | 2:05 - 2:20 | Pompano |
| **Dakshina R. Seal**, *Potentials of Biocontrol Practices in Managing Pepper Weevil,* Anthonomus ugenii  *Cano (Coleoptera: Curculionidae)* | 2:20 - 2:35 | Pompano |
| **Jawwad Qureshi**, *Management of Asian citrus psyllid* | 2:35 - 2:50 | Pompano |
| **Xulin Chen,** *A Molecular Study I Conducted with Dr. Phil Stansly-- Molecular Detection of Endosymbionts*  *in* Tamarixia radiata | 2:50 - 3:00 | Pompano |
| **Coffee break** | 3:00 - 3:30 | Gallery |
| Student Competition: M.S. (Continued) |  |  |
| **Matthew T. Pileggi** - *Influence of Host Parameters on Prevalence and Co-Occurrence of Antibiotic Resistant Bacteria in Livestock Associated Flies in Florida* | 3:30 – 3:45 | Amberjack |
| **Roxie White** - *Assessing Virulence of* Beauveria bassiana *against House Fly Adults* | 3:45 – 4:00 | Amberjack |
| **Hannah R. Talton** - *Assessing Cultural Practices, Injury and Susceptibility of Selected Strawberry Cultivars to the Seed Bug (*Neopamera bilobata*) in Organic Strawberry Production* | 4:00 – 4:15 | Amberjack |
| **Victoria Adeleye** and Dakshina Seal, *Management of the Pepper Weevil,* Anthonomus eugenii *Cano*  *Using Aggregation Pheromone and Biorational Insecticides* | 4:15 – 4:30 | Amberjack |
| **Symposium 1: Laying the Foundations for Citrus and Vegetable Pest Management in Florida: A Man, a Mission, and a Legacy (Continued)** |  | Pompano |
| **Scott Croxton,** *Reflecting on Reflective Mulch My Work with Phil Stansly* | 3:30 - 3:45 | Pompano |
| **Ralf Dujardin** and Gerry Phelps, *High-Reflective Metalized Crop Protection Films* | 3:45 - 4:00 | Pompano |
| **Joseph M Cicero,** *Three Solutions to Simplifying the Complexity of Anatomical Research* | 4:00 - 4:15 | Pompano |
| **Nicholas Johnston,** Lukasz L. Stelinski and Philip A. Stansly,*Dispersal Patterns of Asian citrus psyllid*  *(*Diaphorina citri *Kuwayama) and Secondary-Host Interactions* | 4:15 - 4:30 | Pompano |
| Listening session 1 – Visioning the future of FES: Students | 4:30 PM – 5:30 PM | Amberjack |
| **Social Mixer and Poster Session – Authors present 6:30 PM to 8:30 PM** | 6:30 AM – 8:30 PM | Terrace/Marlin |
| 1. **Jessica Moreno,** Poliane Sá Argolo, Daniel Carrillo, Ismail Döker, Carina Allen, Alexandra M. Revynthi, and Amy Roda - *Spatial and Temporal Distribution of Predatory Mites Associated with Brevipalpus on Hibiscus Plants in South Florida* |  | Marlin |
| 1. **Dena Autry,** Rui-De Xue, and Daniel Dixon - *Effect of Mass Deployment of Autocidal Gravid Ovitraps on Populations of Aedes aegypti and Aedes albopictus in St. John’s County, Florida* |  | Marlin |
| 1. **C. Teri Allen,** Jessica Moreno, Silvia Durand, and Amy Roda - *Monitoring Phantasma scale (Fiorinia phantasma, Diaspididae: Hemiptera) Populations on Tahina palms* |  | Marlin |
| 1. **Paul E. Kendra,** Wayne S. Montgomery, Teresa I. Narvaez, Elena Q. Schnell, Aime Vázquez, Nurhayat Tabanca, and Daniel Carrillo - *Comparison of Piperitone, Verbenone, and Α-Farnesene as Repellents for Euwallacea Nr. Fornicatus, Vector of Fusarium Dieback in Florida Avocado* |  | Marlin |
| 1. **Wayne S. Montgomery,** Nurhayat Tabanca, Marco Masi, Nancy D. Epsky, Paola Nocera, Alessio Cimmino, Paul E. Kendra, Jerome Niogret, and Antonio Evidente- *Potential New Attractants for Mediterranean Fruit Fly (Diptera: Tephritidae)* |  | Marlin |
| 1. **Silvia R. Durand,** Jessica Moreno, and Amy Roda - *Does the Florida Harrisia Cactus Mealybug (*Hypogeococcus pungens*) Attack Cactus?* |  | Marlin |
| 1. **Albertha J. Parkins**, Muhammad Haseeb, Oscar E. Liburd and Lambert. H.B Kanga - *Effects of Three Mulching Practices on the Density of Spotted-wing Drosophila (Diptera: Drosophilidae) in Open Blueberry Field in North Florida* |  | Marlin |
| 1. **Meritxell Pérez-Hedo,** Miquel Alonso-Valiente, Carolina Gallego, Sandra Vacas, Vicente Navarro, and Alberto Urbaneja - *Tomatoes Exposed to Selected Herbivore Induced Plant Volatiles are More Robust Against Pests* |  | Marlin |
| 1. Gwang Hyun Roh, Nancy D. Epsky, Paul E. Kendra, and **Dong H. Cha** - *Attraction and Oviposition Responses of Female Oriental Fruit Fly to Host Fruit vs Torula Yeast Volatiles* |  | Marlin |
| 1. Gwang Hyun Roh,Junwei Zhu, Nancy D. Epsky, Paul E. Kendra, and **Dong H. Cha** - *Screening of Potential Oviposition Deterrents for Oriental Fruit Fly* |  | Marlin |
| 1. **Iris Strzyzewski**, Joseph Funderburk, and Xavier Martini **-** *Thrips and Orius Responses to Pathogen-induced Volatiles in Tomatoes* |  | Marlin |
| 1. **Cindy L. McKenzie,** Colmar Serra, and Lance S. Osborne - *First Report of* Bemisia tabaci *MED (Q biotype) (Hemiptera: Aleyrodidae) in the Dominican Republic* |  | Marlin |
| 1. **Nupur Sarkar,** and Oscar E. Liburd - *Effects of Reduced-risk Pesticides on* Aphis illinoisensis *and its Natural Enemies,* Lysiphlebus testaceipes *and* Orius insidiosus *in Muscadine Grapes* |  | Marlin |
| 1. **Jermaine D. Perier,** Muhammad Haseeb, Jesusa C. Legaspi, Lambert H.B. Kanga, Daniel A. Solis, and Robert E. Meagher - *Integration of Biocontrol Agents to Manage the Fall Armyworm,* Spodoptera frugiperda *(Lepidoptera: Noctuidae), an Economically Important Pest Insect of Corn in Florida* |  | Marlin |
| 1. Mohamed Ali, Esmaeil Saberi, and **Jawwad Qureshi,** *Incidence and Feeding of* Spodoptera latifascia *(Lepidoptera: Noctuidae) on Citrus* |  | Marlin |
| 1. Danielle Wolaver, Daniel Ammann, David C. Perry, **Mrittunjai Srivastava**, and Eric Rohrig - *Influence of Host Age on Parasitism and Sex Ratio of* Apanteles opuntiarum *(Hymenoptera: Braconidae), a Parasitoid of Argentine cactus moth* Cactoblastis cactorum *(Lepidoptera: Pyralidae)* |  | Marlin |
| 1. **Yuexun Tian,** Cynthia C. Lord, and Phillip E. Kaufman -*Chronology of Molting in two* Rhipicephalus sanguineus *Colonies under Multiple Environmental Conditions* |  | Marlin |
| 1. **Rebecca A. Zimler,** and Barry W. Alto **-** *Transmission Potential of Zika Virus by Mosquito Vector Populations from Florida* |  | Marlin |
| 1. De-Fen Mou, Lidia Komondy, Noemi Soto, Alessandra R. Humphries, Ericka E. Helmick, Brian W. Bahder, **Marina Ascunce**, and Erica M. Goss **-** *Phytoplasma, The Causal Agent of Lethal Bronzing Disease of Palm In Florida and Its Vectors* |  | Marlin |
| 1. **Xiao Lai,** Garett G. Miller, Audrey M. Brandt, and Adam C.N. Wong **-** *Developing the Chironomid Midges as a Natural Host Model to Study Host-microbe Interactions* |  |  |
| Tuesday, July 23, 2019 - Morning |  |  |
| **Past Presidents’ Breakfast** | 7:00 AM – 8:00 AM | Sinclair’s |
| **Symposium 2 - Uncharted Territory: Entomology in Support of Florida’s Emerging Crops and Production** |  | Pompano |
| **Introduction – Cory Penca (moderator)** | 7:55 – 8:00 | Pompano |
| **Cory Penca,** and Amanda Hodges- *Characterizing the Heteropteran Pest Complex in Florida Peaches with a Focus on the Establishment of the Brown Marmorated Stink Bug* | 8:00 – 8:15 | Pompano |
| **Babu Panthi,** Oscar Liburd, Justin Renkema, and Sriyanka Lahiri - *Determining when to Spray Reduced-risk insecticides After Scouting for* Scirtothrips dorsalis *Hood (Thysanoptera: Thripidae) in Florida Strawberry* | 8:15 – 8:30 | Pompano |
| **Eric Rohrig** - *Florida Hemp Production: Regulatory and Pest Challenges for an Emerging Crop* | 8:30 – 8:45 | Pompano |
| **Hugh A. Smith** - *Managing Spider Mites in Florida Hops* | 8:45 - 9:00 | Pompano |
| **Eleanor F. Phillips,** Sandra A. Allan, and Jennifer L. Gillett-Kaufman - *Entomological Survey of North Central Florida Olive Groves: A Potential New Specialty Crop in Florida* | 9:00 – 9:15 | Pompano |
| **Adam G. Dale,** and Matthew A. Borden - *Emerging Tea Crops in Florida: Pest Observations and Future Work* | 9:15 – 9:30 | Pompano |
| **Jawwad Qureshi,** Salman Al-Shami, Emilie Demard and Rhuanito Soranz Ferrarezi – *Pest Management in Citrus Under Protective Screen (CUPS)* | 9:30 – 9:45 | Pompano |
| **Coffee break** | 10:00 – 10:15 | Gallery |
| **Symposium 3 – Invasive Scales and Mealybugs in Florida** | 10:10 – 10:15 | Pompano |
| **Introduction – Cindy McKenzie and Lance Osborne (moderators)** | 10:15 – 10:35 | Pompano |
| **Greg Hodges -** *A Brief History of the Importance and Impact of Scale Insects in Florida* | 10:35 – 11:00 |  |
| **Muhammad Z. Ahmed,** and Douglas R. Miller - *Current Role and Future Potential of Florida State Collection of Arthropods in Scale Insects Regulation and Management* | 11:00 – 11:15 | Pompano |
| **Ronald D. Cave** - *Biological Control of the Cycad aulacaspis Scale* |  | Pompano |
| Lauren Diepenbrock, Cindy McKenzie, **Lance Osborne** and Muhammad Ahmed **-**Nipaecoccus viridis *(Newstead), Lebbeck Mealybug, (Coccoidea: Pseudococcidae), a New Pest of Citrus and Ornamentals.* | 11:15 – 11:30 | Pompano |
| **Amy Roda,** Cindy McKenzie, Eric Rohrig, Lance Osborne and Muhammad Z Ahmed - *Developing Strategies to Manage a New Invasive Pest Species, the Phantasma Scale (*Fiorinia phantasma *Hemiptera: Diaspididae)* | 11:30 – 11:45 | Pompano |
| **Adam Dale,** Travis Birdsell, and Jill Sidebottom - *Evaluating the Invasive Potential of Elongate Hemlock Scale on Florida Tree Species* | 11:45 - 12:00 | Pompano |
| **Salman Al-Shami,** and Jawwad Qureshi – *Predatory Behavior of* Curinus coeruleus *(Mulsant) Adults and Larvae on Florida Red Scale (FRS)* Chrysomphalus aonidum *(L.)* | 12:00 - 12:15 | Pompano |
| Patricia Caligari,Michael J West, Yorelyz Rodriguez Reys, and **Jose C Verle Rodrigues** - *Multitrophic Interactions with Harrisia cactus Mealybug (HCM) and their Parasitoids in Puerto Rico Cacti Dry Forest* | 12:15 - 12:30 | Pompano |
| Awards Luncheon | 12:30 – 2:00 | Sailfish |
| Tuesday, July 23, 2019 - Afternoon |  |  |
| **Symposium 4 - Biological Control of Weeds in Florida** |  |  |
| **Introduction – Ellen Lake and Carey Minteer (moderator)** | 2:00 – 2:05 | Pompano |
| **Ellen C. Lake,** Matthew Purcell, and Elizabeth Mattison - *Biological Control of* Lygodium microphyllum*, Old World Climbing Fern: Foreign Exploration and Host Range Testing* | 2:05 – 2:20 | Pompano |
| **Dale A. Halbritter,** Gregory S. Wheeler, and Min B. Rayamajhi - *Life history Trade-offs of Thrips Reared on Brazilian peppertree with Respect to Fertilization and Plant Terpenoid Profiles* | 2:20 – 2:35 | Pompano |
| **James P. Cuda,** Purnama Hidayat, and William A. Overholt - Orseolia javanica *(Diptera: Cecidomyiidae) a Potential Biological Control Agent for the Invasive Cogongrass*, Imperata cylindrica | 2:35 – 2:50 | Pompano |
| **Carey R. Minteer,** Eutychus Kariuki and Patricia Prade **-** *Hypersensitive Response of Brazilian Peppertree: Potential Impacts on New Biological Control Agents* | 2:50 – 3:05 | Pompano |
| **Greg Wheeler -** *Biological Control of Chinese tallowtree,* Triadica sebifera*: Overseas Exploration, Host Testing, and Plans for Release* | 3:05 – 3:20 | Pompano |
| **Aaron S. David,** and Ellen C. Lake ***–*** *Biological Control of Old World Climbing Fern (*Lygodium microphyllum*): Population Dynamics and Impacts of two Established Agents* | 3:20 – 3:35 | Pompano |
| **Eutychus Kariuki,** James Cuda, Stephen Hight, Raymond Hix, Jennifer Gillett-Kaufman, Lyn Gettys, and Carey Minteer ***–*** *Impact of an Adventive Stem-mining Midge on the Invasive Aquatic Plant Hydrilla verticillate* | 3:35 – 3:50 | Pompano |
| **Symposium 5 - Molecular Ecology and Medical Entomology: Tools for Revealing Ecological Interactions Between Insects and Other Organisms** |  |  |
| **Introduction – Lawrence Reeves (moderator)** | 2:00 – 2:05 | Amberjack |
| **Lindsay P. Campbell,** and Alana M. Alexander - *Landscape Genetics of Medically Important Arthropod Species* | 2:05 – 2:20 | Amberjack |
| **Carrie De Jesus,** Samantha Wisely, Coleman Sheehy, and David Blackburn - *Investigating the Prevalence of* Ixodes scapularis *on Reptile Hosts in Florida* | 2:20 – 2:35 | Amberjack |
| **Isaiah J. Hoyer,** Erik M. Blosser, Carolina Acevedo, Anna Carels Thompson, Lawrence E. Reeves and Nathan D. Burkett-Cadena - *Mammal Decline, Linked to Invasive Burmese Python, Shifts Host Use of Vector Mosquito Towards Reservoir Hosts of A Zoonotic Disease* | 2:35 – 2:50 | Amberjack |
| **Craig Bateman,** *Total Ecological Communities in the Ambrosia Symbiosis* | 2:50 – 3:05 | Amberjack |
| **Caroline Efstathion,** Nathan D. Burkett-Cadena, and William H. Kern Jr.**-** *Prefledging Mortality and the Abundance of Mosquitoes Biting Nestling Barn Owls* | 3:05 – 3:20 | Amberjack |
| **Dongmin Kim,** Tawni L. Crippen, Heather R. Jordan and Jeffery K. Tomberlin ***–*** *Quorum Sensing Inhibitor Approaches to Unravel the Biological Function of Interkingdom Signaling Molecule in* Staphylococcus epidermidis | 3:20 – 3:35 | Amberjack |
| **Coffee Break and Poster Session - Authors present 3:30 PM to 5:00 PM** | 6:30 AM – 5:00 PM | Gallery/Marlin |
| Listening session 2 – Visioning the future of FES: General | 4:30 PM – 5:30 PM | Bonito |
| Wednesday, July 24, 2019 - Morning |  |  |
| **Symposium 6 – Pest Control Challenges in the Southeastern United States** |  |  |
| **Introduction – Gurpreet Brar, Shine Taylor, and Scott Ferguson (moderator)** | 7:55 – 8:00 | Pompano |
| **Scott Ferguson** - *Why is the American Serpentine Leafminer,* Liriomyza trifolii*, such a Problem to Control?* | 8:00 – 8:15 | Pompano |
| **Muhammad Haseeb,** Lambert H.B. Kanga, Albertha J. Parkins, Pengxiang Wu, Jesusa C. Legaspi and Oscar E. Liburd- *Developing and Implementing Effective IPM Strategies in Specialty Crops in North Florida* | 8:15 – 8:30 | Pompano |
| **Xavier Martini** and Lukasz Stelinski - *Development of a Push-pull System for the Redbay Ambrosia beetle* Xyleborus glabratus*, Vector of the Laurel Wilt Pathogen* | 8:30 – 8:45 | Pompano |
| **Dakshina R. Seal** - *Chemical and Nonchemical Approaches for Controlling Pepper Weevil* Anthonomus eugenii *Cano (Coleoptera: Curculionidae)* | 8:45 – 9:00 | Pompano |
| **Submitted papers** |  |  |
| **Introduction – Sriyanka Lahiri (moderator)** | 7:55– 8:00 | Amberjack |
| **Oscar E. Liburd,** Lorena Lopez, and Daniel Carrillo - *Effect of Bio-rational Insecticide on* Amblyseius  swirskii *in Organic Squash* | 8:00 – 8:12 | Amberjack |
| **Deepak Shrestha**, Marice Lopez, and Oscar E. Liburd - *Evaluation of Different Release Methods and Cultivars with the Predatory mite,* Amblyseius swirskii *Athias-Henriot (Acari: Phytoseiidae) to Manage the Whitefly [*Bemisia tabaci *(Gennadius) MEAM1] in Organic Squash* | 8:12 – 8:24 | Amberjack |
| **Elena M. Rhodes,** Carlene A. Chase, Xin Zhao, and Oscar E. Liburd - *Movement and Spatial Distribution of Spotted Wing Drosophila,* Drosophila suzukii*, in Organic Strawberries in Florida* | 8:24 – 8:36 | Amberjack |
| **Bruno R. De Marchi,** and Hugh A. Smith - *Bacterial Endosymbiont Diversity among* Bemisia tabaci *(Hemiptera: Aleyrodidae) Populations in Florida* | 8:36 – 8:48 | Amberjack |
| **Robert L. Meagher, Jr.** - *The Noctuid Egg Parasitoid* Telenomus remus *(Hymenoptera: Platygastridae) in Florida* | 8:48 – 9:00 | Amberjack |
| Esmaeil Saberi, Mohamed Ali*,* and **Jawwad Qureshi,** *Survival and Development of* Spodoptera latifascia *(Lepidoptera: Noctuidae) in Citrus* | 9:00 – 9:12 | Amberjack |
| Alejandro Tena, José Catalán, Estrella Hernández, Kerstin Krüger, Meritxell Pérez-Hedo, Jesica Pérez-Rodríguez, Pablo Urbaneja-Bernat, and **Alberto Urbaneja** - *Biological Control and Confinement Strategies for African Citrus Psyllid* Trioza erytreae *(Del Guercio) (Hemiptera: Psyllidae), Vector of Citrus Huanglongbing* | 9:12 – 9:24 | Amberjack |
| **Pasco B. Avery**, Jessamyn Adorada, Emily B. Duren, Alejandra V. Chavez, Ronald D. Cave, and Jawwad Qureshi **-** *Compatibility of Entomopathogenic Fungus,* Isaria fumosorosea *and Ladybeetle* Curinus coeruleus *for Managing the Florida Red Scale* | 9:24 – 9:36 | Amberjack |
| **Julien Beuzelin,** Dak Seal, Carolina Tieppo Camarozano, Donna Larsen, Sandy Allan, and Gregg Nuessly – *Silk Fly Management Advances in Florida Sweet Corn* | 9:36 – 9:48 | Amberjack |
| **Brian W. Bahder,** De-Fen Mou, Noemi Soto, and Ericka Helmick - *Improved Diagnostic Tools for Palm-infecting Phytoplasmas: Applications in Extension and Vector Ecology* | 9:48 – 10:00 | Amberjack |
| **Listening session 3 – Visioning the future of FES: General** | 9:00 – 10:00 | Amberjack |
| **Coffee Break** | 10:00 – 10:30 | Gallery |
| **Submitted papers (continued)** |  |  |
| **Michael Karounos,** Ron Cherry, Mabry McCray, and Shangning Ji - *Survival and Behavior of* Melanotus  communis *(Coleoptera: Elateridae) in Florida Sugarcane Soils* | 10:30 – 10:42 | Amberjack |
| **Thomas Chouvenc,** Nan-Yao Su, and Caroline Efstathion - *The Termite Fecal Nest: A Framework for the Opportunistic Acquisition of Beneficial Soil Streptomyces* | 10:42 – 10:54 | Amberjack |
| **Janine Spies** - *Advocate for Specialty Crops: The role of IR-4 in Pest Management* | 10:54 – 11:06 | Amberjack |
| **Kate Fairbanks,** Antonio Francis, and Eric Rohrig - *Florida Department of Agriculture and Consumer Services, Division of Plant Industry’s Ongoing Research into Methods of Control and Eradication of Exotic Tephritid Fruit Flies* | 11:06 – 11:18 |  |
| **Marina S Ascunce,** Henri Herrera, Yesenia Campaña, Robert Vander Meer and Sanford Porter - *Invasive Tropical Fire Ants,* Solenopsis geminata*, in the Galapagos islands* | 11:18 – 11:30 | Amberjack |