**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 | Manatee |
| Student Competition: M.S. | 10:45 AM – 12:15 PM | Amberjack |
| Graduate Student Luncheon – with Pioneer Lecturer | 12:15 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. | 1:30 PM – 3:00 PM | Amberjack |
| Coffee break | 3:00 PM - 3:30 PM | Gallery |
| Student Competition: Ph.D. (Continued) | 3:30 PM – 4:00 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 | ?? |
| 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 – 3:45 PM | Pompano |
| Symposium 5 - Molecular ecology and medical entomology: Tools for revealing ecological interactions between insects and other organisms | 2:00 PM – 3:30 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 | 8:00 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 | Manatee |
| Student Competition: M.S. (TBD, moderator) | 10:45 - 12:15 | Amberjack |
| **Wilfrid Calvin** - *Evaluation of Intercropping and Biological Insecticides on Sugarcane Aphid (Hemiptera: Aphididae) Infestations in Sorghum* | 10:45 - 11:00 | Amberjack |
| **Jessica Awad** - *Building a diagnostic framework for the genus* Synopeas *(Hymenoptera: Platygastridae)* | 11:00 - 11:15 | Amberjack |
| **Johnalyn Gordon** - *Colony-age-dependent variation in cuticular hydrocarbon profiles in* Coptotermes gestroi | 11:15 - 11:30 | Amberjack |
| **Matthew T. Pileggi** - *Influence of Host Parameters on Prevalence and Co-Occurrence of Antibiotic Resistant Bacteria in Livestock Associated Flies in Florida* | 11:30 - 11:45 | Amberjack |
| **Roxie White** - *Assessing virulence of* Beauveria bassiana *against house fly adults* | 11:45 - 12:00 | Amberjack |
| **Hannah R. Talton** - *Assessing Cultural Practices, Injury and Susceptibility of Selected Strawberry Cultivars to the Seed bug (*Neopamera bilobata*) in organic Strawberry production* | 12:00 - 12:15 | Amberjack |
| Monday, July 22, 2019 - Afternoon |  |  |
| **Student Luncheon with Pioneer Lecture – others lunch on your own** | 12:15 - 1:30 | Dolphin |
| Student Competition: Ph.D. (TBD, moderator) |  |  |
| **Jayshree S Patel** - *Temperature Preference of Two Invasive Coptotermes Species and their Hybrids (Blattodea: Rhinotermitidae)* | 1:30 - 1:45 | Amberjack |
| **Sang-Bin Lee** - *Foraging proportion of Coptotermes formosanus Shiraki (Blattodea: Rhinotermitidae) in sand and organic soil* | 1:45 - 2:00 | 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* | 2:00 - 2:15 | Amberjack |
| **Emilie P. Demard** - *Pest and predacious mite complex of Citrus Under Protective Screen (CUPS)* | 2:15 - 2:30 | Amberjack |
| **Kelly Carruthers** - *Invasive Species Outreach Education in the K-12 Classroom* | 2:30 - 2:45 | Amberjack |
| **Reina L. Tong** - *Trophic path of exuviae within colonies of* Coptotermes gestroi *(Wasmann)* | 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 – Nicholas Johnston (moderator)** | 1:30 - 1:35 | Pompano |
| **Alberto Urbaneja**, *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,** *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,** *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 eugenii  *Cano (Coleoptera: Curculionidae)* | 2:20 - 2:35 | Pompano |
| **Victoria Adeleye,** *Management of the Pepper Weevil,* Anthonomus eugenii *Cano Using Aggregation*  *Pheromone and Biorational Insecticides* | 2:35 - 2:50 | Pompano |
| **Jawwad Qureshi**, *Management of Asian citrus psyllid* | 2:50 - 3:05 | Pompano |
| **Coffee break** | 3:00 - 3:30 | Gallery |
| Student Competition: Ph.D. (Continued) |  |  |
| **Xiao Lai -** *Developing the Chironomid Midges as a Natural Host Model to Study Host-microbe Interactions* | 3:30 – 3:45 | Amberjack |
| **Olayinka David,** Andre Luis Costa-Da-Silva, and Matthew Degennaro - *Roles of olfactory receptors in* Aedes aegypti *reproduction* | 3:45 – 4:00 | 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**, *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,** *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 | ?? |
| **Social Mixer and Poster Session – Authors present 6:30 PM to 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 |
| 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 |
| **Lance S. Osborne,** Zachary Brym, Cindy McKenzie, and Muhammad Z. Ahmed - *Florida’s HEMP Project From a Pest Management Perspective* | 8:45 - 9:00 |  |
| **Hugh A. Smith** - *Managing spider mites in Florida hops* | 9:00 – 9:15 | 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* | 9:15 – 9:30 | Pompano |
| **Adam G. Dale,** and Matthew A. Borden - *Emerging Tea Crops in Florida: Pest Observations and Future Work* | 9:30 – 9:45 | Pompano |
| **Jawwad Qureshi,** Salman Al-Shami and Emilie Demard – *Pest Management in Citrus Under Protective Screen (CUPS)* | 9:45 – 10:00 | Pompano |
| **Coffee break** | 10:00 – 10:15 | Gallery |
| **Symposium 3 – Invasive Scales and Mealybugs in Florida** |  | Pompano |
| **Introduction – Cindy McKenzie and Lance Osborne (moderators)** | 10:10 – 10:15 | Pompano |
| **Muhammad Z. Ahmed,** and Douglas R. Miller - *Current role and future potential of Florida state collection of arthropods in scale insects regulation and management* | 10:15 – 10:45 | Pompano |
| **Greg Hodges -** *A brief history of the importance and impact of scale insects in Florida* | 10:45 – 11:00 | Pompano |
| **Ronald D. Cave** - *Biological Control of the Cycad Aulacaspis Scale* | 11:00 – 11:15 | Pompano |
| **Lance S. Osborne,** Greg Hodges, and Cindy McKenzie - Pink Hibiscus Mealybug Mitigation in Florida- The Early Days | 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 |
| Tuesday, July 23, 2019 - Afternoon |  |  |
| **Symposium 3 – Invasive Scales and Mealybugs in Florida (continued)** |  | 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 |
| **Symposium 4 - Biological Control of Weeds in Florida** |  | Pompano |
| **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 verticillata* | 3:35 – 3:50 | Pompano |
| **Symposium 5 - Molecular ecology and medical entomology: Tools for revealing ecological interactions between insects and other organisms** |  | Amberjack |
| **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** |  | Pompano |
| **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** |  | 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) on multiple citrus cultivars | 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 | Pompano |
| **Coffee Break** | 10:00 – 10:30 | Gallery |
| **Submitted papers (continued)** |  | Amberjack |
| **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 |  |
| **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 | Amberjack |
| **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 |