PROGRAM OF THE 93RD ANNUAL MEETING of the
FLORIDA ENTOMOLOGICAL SOCIETY
July 25 – 28, 2010

SUNDAY, JULY 25, 2010
3:30PM-7:30PM Registration - SOUTH Gallery/Lobby
11:00AM-5:00PM Office: Bonito
12:00PM-8:00AM Poster Display: Marlin

MONDAY MORNING, JULY 26th
7:00AM-5:00PM Office/slide Preview: Bonito Room
8:00AM-12:00PM Registration (contd.): Gallery
8:00AM-8:20AM Welcoming remarks… Dr. Scott Ferguson: Sailfish
8:20AM-8:30AM Presidential address… Dr. Scott Ferguson: Sailfish

A Short History of Leafminer, Liriomyza trifolii, Resistance Monitoring: From Bioassays to Molecular

8:30AM-9:20AM Pioneer lecture: Sailfish
Pioneer Lecture  2010 Pioneer Lecturers: Robbie Coulter & Howard Frank
Honoree: Dr. Senekerim Dohanian, Title: Senekerim Dohanian: Uncle Sam's Ace Insect Hunter

MONDAY AFTERNOON, JULY 26th
1:30PM-4:00PM Registration (contd.): Gallery
2:05PM-5:00PM Symposium-Mosquito Ecology: Pompano Room
2:00PM-5:12PM Student paper competition: Amberjack Room
3:15PM-3:40PM Coffee break: Gallery
6:30PM-8:30PM Reception/Mixer: Sinclair Lounge

We gratefully thank and acknowledge our Sponsors
(AgraQuest, Inc., Bayer Environmental Science, DuPont Professional Products,
Chemtura AgroSolutions, Dow AgroSciences)

TUESDAY MORNING, JULY 27th
7:00AM-8:00AM Past presidents’ breakfast: Hotel Restaurant
8:00AM-12:00PM Registration (contd.): Gallery
8:15AM-12:00PM Symposium Innovation Arthropod Mgr: Amberjack
8:50AM-12:00PM Contributed Papers: Pompano Room
10:00AM-12:00PM Poster session: Marlin Room
10:00AM-10:20PM Coffee break: Gallery
12:00PM-2:00PM Awards luncheon: SailFish

TUESDAY AFTERNOON, JULY 27th
2:00PM-5:00PM Registration (contd.): Gallery
1:30PM-5:00PM Poster session (contd.): Marlin Room
2:30PM-5:00PM Symposium-Multitrophic Interactions: Amberjack Room
2:30PM-4:50PM Contributed Paper-(Cont’d): Pompano Room
3:25pm-3:45pm Coffee break: Gallery

WEDNESDAY MORNING, JULY 28th
8:00AM-10:15AM Symposium-Center of Systematic: Amberjack Room
10:00AM-12:00PM Workshop-Africanized Bee’s: Pompano Room
10:25AM-10:45AM Coffee break: Gallery
SYMPOSIUM: CONFLICT OF THE HYMENOPTERA KIND

Moderators/Organizers: Dr. John Sivinski, USDA SAILFISH- ROOM

9:50 Introduction

10:00 [1] Intrinsic Competition Between Two Species Of Neotropical Parasitoids: The Fierce And The Fugitive?
   John Sivinski¹ and Martin Aluja²
   ¹USDA-ARS, Center for Medical, Agricultural and Veterinary Entomology, Gainesville, FL
   ²Instituto de Ecologia, Xalapa, Veracruz, Mexico

   H. Glenn Hall, Department of Entomology and Nematology, University of Florida, Gainesville Florida (Speaker)
   Jerome G. Rozen, Division of Invertebrate Zoology, American Museum of Natural History, New York, New York

10:40 [3] Cooperation and Conflict in Bidirectional Parental Care Within the Eusocial Paper Wasp, Mischocyttarus mexicanus
   Charles W. Gunnels IV, Department of Biological Sciences, Florida Gulf Coast University
   Fort Myers, FL 33965-6565

11:00 [4] Fruit Flies Learn to Recognize and Avoid the Marking Pheromones of Their Wasp Parasitoids in a Context-Dependent Manner that is Mediated by Preimaginal Conditioning
   Lukasz Stelinski
   Entomology and Nematology Department, Citrus Research and Education Center, University of Florida, 700 Experiment Station Road, Lake Alfred, FL 33850, U.S.A.

   Sanford Porter
   USDA-ARS, Center for Medical, Agricultural and Veterinary Entomology, Gainesville, FL

   Peter E. A. Teal¹, Adrian Duehl¹, Mark Carroll² and Baldwin Torto³
   1) Center for Medical, Agricultural and Veterinary Entomology. USDA-ARS, 1700 SW. 23 Dr., Gainesville, FL
   2) Carl Haden Bee Research Center, USDA-ARS, 2000 East Allen Road, Tucson, AZ 85719
   3) International Centre of Insect Physiology and Ecology (icipe), P.O. Box 20772-00100, Nairobi, Kenya
POSTER DISPLAY SESSION-1. (8:00am-6:00pm) MARLIN ROOM

Posters setup Sunday and Monday morning (Authors present from 3:00 -3:30) and taken down by 6:00 PM so the second Poster Session-2 of posters may be put up that evening and the following morning (Tues).

DSP1. Emerging Psyllid Genomes- Increasing RNA-interference Targets for Insect Management. Wayne B. Hunter¹, Blake Bextine², Robert Shatters¹, Jr., David Hall¹. 1. USDA, ARS, U.S. Horticultural Res. Lab, 2001 S. Rock Rd., Ft. Pierce, Florida 34945, USA. Wayne.hunter@ars.usda.gov 2. University of Texas at Tyler, 3900 University Blvd., Tyler, TX, 75703, USA. bbextine@uttyler.edu


DSP3. RNA-Interference Against Disease- Increasing Bee Health. Wayne B. Hunter¹, Robert R. Heath, and Ricardo Goenaga. USDA-ARS-TARS, 2200 Ave. P.A. Campos Ste. 201, Mayaguez, PR 00680, David.jenkins@ars.usda.gov


DSP6. Selection by Harmonia axyridis (Pallas) and Cycloneda sanguinea L. (Coleoptera: Coccinellidae) for Aphis craccivora (Hemiptera: Aphididae) and Diaphorina citri (Hemiptera: Psyllidae based on olfaction. Mendez, Joel; Arevalo, H. A.; Stansly P.A. Southwest Florida Research and Education Center, 2685 State Road 29 North, Immokalee, FL 34142.


DSP8. Susceptibility of Southern Green Stink Bug, Nezara viridula (L.) to different isolates of the mycopathogen, Beauveria bassiana under laboratory conditions. Jordan Williamson, Abisoye Somorin, Muhammad Haseeb, Moses T.K. Kairo. Center for Biological Control, College of Engineering Sciences, Technology and Agriculture, Florida A&M University, Tallahassee, FL 32307-4100. Moses.Kairo@famu.edu
Revised July 23, 2010


DSP11. Chemical control of the redbay ambrosia beetle, Xyleborus glabratus (Coleoptera: Scolytinae) in Florida. J. E. Peña, J. H. Crane, R. Cave, R. Duncan and M. Samuel-Foo. University of Florida, Tropical REC, 18905 SW 280th Street, Homestead, FL 33031. jepe@ifas.ufl.edu


MONDAY AFTERNOON, JULY 26, 2010

SYMPOSIUM: Mosquito Ecology and Arbovirus Transmission in Florida

Organizer and Moderator: Dr. Phil Lounibos, POMPANO- ROOM

2:05-2:10:
Introduction to the Symposium, Dr. Phil Lounibos.

2:10-2:30:
7 The role of multiple vectors in West Nile virus epidemiology
Cynthia Lord, Stephanie Richards, Walter Tabachnick, Fla. Med. Entomology Lab, Vero Beach

2:30-2:50:
8 Chemical ecology of host-finding by Culex
Sandra A. Allan, Ulrich Bernier, Daniel Kline, CMAVE/USDA, Gainesville
Use of container habitats by *Aedes aegypti* during and after an outbreak of Dengue-1 virus in Key West, Florida.
Lawrence J. Hribar, Andrea L. Leal, Mikki J. Coss, Michael C. Spoto, Edsel M. Fussell, Fla. Keys Mosquito Control, Key West

3:10-3:25: Break  
*Encourage everyone to go see Poster Presentations*

Larval ecology and adult vector competence of invasive mosquitoes *Aedes albopictus* and *Ae. aegypti* for chikungunya virus.
Catherine A. Westbrook, Fla. Med. Entomology Lab, Vero Beach

Invasive plants and mosquitoes in Florida.
Michael Reiskind, Oklahoma State University, Oklahoma City

The role of resources in competitive coexistence and exclusion among Florida *Aedes*.
Steven A. Juliano, Ebony G. Murrell, Kavitha Damal, Scott B. Chism, Jarrett B. Cellini, Illinois State University, Normal IL

Competitive reduction by satyrization? Evidence for interspecific mating and asymmetric reproductive competition between invasive Florida vectors.
L. Philip Lounibos, Frederic Tripet, Naoya Nishimura, Erik Blosser, Fla. Med. Entomology Lab, Vero Beach & Keele University, UK

Discussion

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**MONDAY AFTERNOON, JULY 26, 2010**

CONCURRENT SESSION: Student Paper Competition, Doctor of Philosophy AMBERJACK-ROOM

Organizer/Moderator -- ____TBA__________ -

2:05-2:10   Introduction and Instructions  
(10 min, plus 2 min for questions)

Charah Watson,\(^1\) Eric Garraway,\(^2\) Dwight Robinson,\(^2\) Nemoi Chisolm,\(^3\) and Trevor Yee.\(^3\) Department of Entomology & Nematology, 970 Natural Area Drive, P.O. Box 110620, Gainesville, FL 32611-0620

2:27 Impact of different organic mulches on the soil surface arthropod community and weeds
Harsimran K Gill, Robert McSorley, Gaurav Goyal and Marc Branham. Department of Entomology & Nematology, 970 Natural Area Drive, P.O. Box 110620, Gainesville, FL 32611-0620.
Influence of abiotic factors on activity of three fungal pathogens regulating chilli thrips, *Scirtothrips dorsalis* (Thysanoptera: Thripidae) on pepper
Vivek Kumar, Dakshina R Seal, David J. Schuster, Lance Osborne, Cindy McKenzie and Garima Kakkar. Tropical Research and Education Center, 18905 SW 280th St. Homestead, FL 33031. vivekiari@ufl.edu

Identification of immature stages of picture-winged fly pests of corn
Goyal, G., G.J. Steck, G.S. Nuessly, J.L. Capinera, D.R. Seal, and K.J. Boote, Everglades Research and Education Center, University of Florida, IFAS, Belle Glade, FL

The effect of adjacent plant communities on the development of flower thrips populations in Southern highbush blueberries in Florida
Elena M. Rhodes and O. E. Liburd, University of Florida Entomology and Nematology Department, P. O. Box 110620, Bldg. 970 Natural Area Dr.Gainesville, FL 32611. erhodes@ufl.edu

Timing of Temik and Movento Applications for Control of Asian Citrus psyllid (ACP) *Diaphorina citri*
Scott Croxton, Mike Edenfield and Phil Stansly, University of Florida, Institute of Food and Agricultural Sciences, Southwest Florida Research and Education Center, 2685 State Rd. 29 N, Immokalee, FL 34142.

Effect of Twospotted Spider Mites (Acari: Tetranychidae) on Marketable Yield of Field-grown Strawberries
Nyokie, T.W. and O.E. Liburd Entomology & Nematology Department, University of Florida Gainesville, FL 32611, Bldg 970 Natural Area Drive, Gainesville, FL 32611

The Spatial Distribution and Density of *Nylanderia pubens* on Urban Lots
Stephanie Larrick, Bldg 970 Natural Area Dr., P.O. Box 110620, Gainesville FL 32611, larricksk@ufl.edu

CONTINUING SESSION: Student Paper Competition, Master of Science
Moderator: Harsimran K. Gill AMBERJACK- ROOM

Introduction and Instructions (10 min, plus 2 min for questions)

Differential predation by two predatory mites *Amblyseius swirskii* and *A. cucumeris* (Acari: Phytoseiidae) on *Frankliniella schultzei* and *Thrips palmi* (Thysanoptera: Thripidae) in field cucumber
Garima Kakkar, Dakshina R. Seal, Philip A. Stansly, Oscar E. Liburd and Vivek Kumar. Tropical Research and Education Center, University of Florida, 18905 SW 280th St. Homestead, FL 33031. garimaiari@ufl.edu
Evaluating the predator for *Euxesta stigmatias* by investigating the microflora of corn ear.
Megha Kalsi, D. R. Seal, G. Nuessly and J. L. Capinera, Tropical research and education center (TREC), Homestead, FL 18905, SW 280th street. Homestead, FL 33031, meghakalsi@ufl.edu

Concluding Remarks

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**6:30PM – 8:30PM** Reception/Mixer – *Sinclair Lounge*

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**TUESDAY MORNING, July 27, 2010**
8:15AM -- 12:00PM

**SYMPOSIUM:** Innovative Arthropod Management Solutions

**AMBERJACK- ROOM**

**Organizers:** Joe Eger (Dow AgroSciences, Tampa, FL)
Scott Ferguson (Atlantic Turf & Ornamental Consulting, Vero Beach, FL)

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8:15 AM  Welcome and Introduction  S. Ferguson


8:40 The use of the bio-insecticide **PFR-97** in food crop production in the southeastern US. H. Brett Highland, Certis USA, 1069 Eisenhower Dr, Nokomis, FL 34275.

9:00 Control of royal palm bug, *Xylastodoris luteolus* (Hemiptera: Thaumastocoridae), with soil applied systemic insecticides. Doug Caldwell, Collier County Extension Service, Institute of Food and Agricultural Sciences, University of Florida, 14700 Immokalee Road, Naples, FL 34120 and A. D. Ali, Davey Institute, The Davey Tree Expert Co., 17140 Oak Creek Road, Alva, FL 33920.

9:40  [30]  

10:00-10:20 Break

10:20  [31]  
From discovery to sale. The development of a pesticide. Jeff Dobbs, OHP Inc., Roswell, GA.

10:40  [32]  
Development of Sulfuryl Fluoride for Quarantine Fumigation of Logs, Bamboo, Wood-Packaging and Other Cellulosic Materials. Ellen Thoms, Dow AgroSciences, Gainesville, FL.

11:00  [33]  
REQUIEM 25EC: Impact on beneficial insects and use for control of key insect pests. Dennis Long, AgraQuest, Inc., Demorest, GA.

11:20  [34]  

11:40 Discussion

TUESDAY MORNING, July 27, 2010

POSTER SESSION-2 Tuesday 27th, 10:00AM -- 6:00 PM MARLIN ROOM
Presenters are asked to be at their poster from 3:00- 3:30 pm. Posters must be removed by 6:00 P.M. Tuesday


DSP17. Effect of Temperatures on Development and Oviposition of the Bigeyed Bug, Geocoris pallidipennis. Jeong Hwan Kim1, Young-Woong Byeon1, Hwang-Yong Kim2, Man-Young Choi1. 1Crop Protection Division, National Academy of Agricultural Science (NAAS), Suwon, South Korea, 2International Technology Cooperation Center, Rural Development Administration (RDA), Suwon, South Korea, kim9@korea.kr
DSP18. Functional Response of an Aphid Parasitoid *Aphelinus asychis* in the Laboratory

Young Woong Byeon, Midori Tuda, Jeong-Hwan Kim and Man-Young Choi. 1Crop Protection Division, National Academy of Agricultural Science (NAAS), Suwon, South Korea, 2Institute of Biological Control, Faculty of Agriculture, Kyushu University, Fukuoka, Japan, biotin92@korea.kr

DSP19. Host plant range of *Raoiella indica* Hirst (Acari: Tenuipalpidae) in areas of invasion of the new world

D. Carrillo, D. Amalin, F. Hosein, R. Duncan, and J.E. Peña. University of Florida, Department of Entomology and Nematology, Tropical Research and Education Center, Homestead, FL 33031, USA, dancar@ufl.edu


X. Wan, J. Li, M. J. Kim, T. H. Kang, B. R. Jin, and I. Kim, College of Agriculture & Life Sciences, Chonnam National University, 300 Yongbong-Dong, Buk-Gu, Gwangju 500-757, Republic of Korea.


J. E. Peña, R. Duncan, D. Carrillo, Ana Vargas. 18905 SW 280th Street, Homestead, FL 33031, avargas22@ufl.edu

DSP22. Likelihood of dispersal of an armored scale, *Aonidiella orientalis* (Hemiptera: Diaspididae), to avocado trees from infested fruit discarded on the ground

M. Hennessay, J E Peña, M. Zlotina, K. Santos, 18905 SW 280th Street, Homestead, FL 33031, katiasantos@ufl.edu

DSP23. Molecular Phylogenetic Analysis of True Butterfly Families (Lepidoptera: Papilionoidea) by COI, 16S rRNA and EF-1α Sequences

M.I. Kim, X. Wan, M.J. Kim, H. C.J.N. Ahn, K.G. Kim, Y.S. Han, Iksoo Kim, College of Agriculture & Life Sciences, Chonnam National University, 300 Yongbong-Dong, Buk-Gu, Gwangju 500-757, Republic of Korea.

DSP24. Descriptions of Mitochondrial Genomes of Three Scarabaeiformia (Insecta: Coleoptera) and Molecular Phylogenetic Analysis among Coleoptera

M.J. Kim, K. G. Kim, and I. Kim, College of Agriculture & Life Sciences, Chonnam National University, 300 Yongbong-Dong, Buk-Gu, Gwangju 500-757, Republic of Korea.

DSP25. Development of *Artophaneura alcinous* (Lepidoptera : Papilionidae) reared on different temperature and survivorship after storage at low temperature for diapause termination

Seong hyun Kim, Man -Young Choi, Jeong-Hwan Kim, Young Woong Byeon, Seok Jo Whang 1Applied Entomology Division, National Academy of Agricultural Science (NAAS), Suwon, Republic of Korea.

DSP26. Efficacy of four traps in capturing male *Helicoverpa* moths in north Florida

Meagher, Robert L., Sarahlynn C. Guerrero, & Julieta Brambila. 1USDA-ARS CMAVE, 1700 SW 23rd Drive, Gainesville, FL 32608, 2USDA-APHIS-PPQ, P.O. Box 147100, Gainesville, FL 32614.

DSP27. Movement of Asian citrus psyllid, *Diaphorina citri* Kuwayama (Hemiptera: Psyllidae), as measured by immunomarking: implications for the spread of huanglongbing
TUESDAY MORNING, July 27, 2010

CONCURRENT SESSION — Contributed Papers, General Entomology

Moderator _______ TBA _______  POMPANO - Room

8:40- Introduction

8:45- [35] Evaluation of insecticides for control of thrips on spring snap beans: Round Two
Gregg Nuessly and Nicholas Larsen, Everglades Research and Education Center, 3200 E. Palm Beach Rd., Belle Glade, FL 33430, 561-993-1500. gnuessly@ufl.edu  larsnick@ufl.edu

9:00 [36] GIS based spatial analysis of population dynamics of parasitoids of the fall armyworm in a corn field
Mirian Medina Hay-Roe, USDA, ARS, CMAVE 1600-1700 SW 23rd Drive Gainesville FL 32608 Mirian.Hay-Roe@ars.usda.gov

9:12 [37] Preference, development, and reproduction of Hippodamia convergens (Coleoptera: Coccinellidae) on diets of three sucking insect pests of citrus
Jawwad A. Qureshi and Philip A. Stansly, Department of Entomology and Nematology, University of Florida – IFAS, SWFREC, 2686 SR 29 N, Immokalee, FL 34142, jawwadq@ufl.edu


R.S. Mann, J.A. Qureshi, P.A. Stansly and L.L. Stelinski. Citrus Research and Education Center, University of Florida, 700 Experiment Station Rd., Lake Alfred, FL 33850, U.S.A. mannrsl@ufl.edu

9:48 [40] Prospects for Area Wide Management of the Asian Citrus Psyllid in Florida
Phil Stansly, Alejandro Arevalo, Mongi Zekri, Paul Mears, Joe Russo and Ron Hamel SWFREC. University of Florida, 2685 SR 29 N., Immokalee, FL. 34142.

10:00 [41] Does an alternative host promote or reduce huanglongbing in citrus? Orange jasmine and Asian citrus psyllids reared from jasmine maintain low titers of Candidatus Liberibacter asiaticus
Abigail Walter¹, David Hal¹, and YongPing Duan²
¹USDA-ARS, U.S. Horticultural Research Laboratory, Subtropical Insects Research Unit, ²USDA-ARS, U.S. Horticultural Research Lab., Subtropical Plant Pathology Research Unit, Ft. Pierce, FL

10:12 - 10:24 – BREAK

10:24 [42] Control of Blueberry bud mites, a major pest of Southern Highbush Blueberries

Rudolf H. Scheffrahn and William Crowe: University of Florida, Fort Lauderdale R.E.C., 3205 College Avenue, Ft. Lauderdale, FL 33314 rhsc@ufl.edu

Kirsten S. Pelz-Stelinski, M. Rogers

11:00 [45] Abundance and control of Melon thrips, Thrips palmi Karny (Thysanoptera: Thripidae) in South Florida
Dakshina R. Seal, Vivek Jha, Garima Kakkar and Megha Kalsi, Tropical Research and Education Center, 18905 SW 280th St. Homestead, FL 33031.

H. Alejandro Arevalo and Phil A. Stansly, SWFREC. University of Florida, 2685 SR 29 N. Immokalee, FL. 34142.

11:24 [47] Localization and relative titer of Candidatus Liberibacter asiaticus in the salivary glands and alimentary canal of Diaphorina citri vector of citrus huanglongbing disease
El-Desouky Ammar, Robert G. Shatters, Jr. and David G. Hall, Subtropical Insects Research Unit, USDA-ARS, Fort Pierce, FL. 34945.

11:36 [48] Olfactory Influences on Territorial Zone Discrimination in the Red Imported Fire Ant, Solenopsis invicta Buren (Hymenoptera: Formicidae)
Toure G. Thompson, Alabama A&M University, Department of Natural and Physical Sciences – Biology, P. O. Box 610, Alabama A&M University, Normal, Alabama 35762.
toure.thompson@aamu.edu

Kaufman, P.E. Entomology and Nematology Dept, PO Box 110620, Univ. of Florida, Gainesville, FL 32611, pkaufman@ufl.edu

12:00 - Concluding Remarks

AWARDS LUNCHEON - TUESDAY, JULY 27, 2010 12:00 - 2:00 SAILFISH- ROOM
Symposium Title:  Multitrophic Interactions: Concepts and Applications
Organizers:  Veronica Manrique, Rodrigo Diaz, and William A. Overholt
Date:  July 27th from 1:25 to 5:00 pm,

2:30 pm. Introductory Remarks

[50] “Development and deployment of control techniques to mitigate the threat of Cactoblastis cactorum in North America”

[51] “The complex of Scolytinae inhabiting Persea borbonia and Persea americana in Florida: Possible interactions with other species”.

[52] “Developing behaviorally-based management strategies for the pepper weevil (Anthonomus eugenii)”.

[53] “Multitrophic interactions of Isaria fumosorosea: to reduce the spread of citrus disease, Huanglongbing”

Break: 3:35 – 3:45 pm  {Encourage Everyone to go see Poster Presentations}

3:45-4:00 pm. Teresa Cooper, Ronald D. Cave, and Howard Frank.
[54] “The effects of two host bromeliad species on a bromeliad-eating weevil, Metamasius callizona”.

4:00-4:15 pm. William A. Overholt, L. Markle, E. N. Rosskopf, V. Manrique, J. Albano, E. Cave and S. Adkins.
[55] “The interactions of Tropical soda apple mosaic tobamovirus and Gratiana boliviana (Coleoptera: Chrysomelidae), an introduced biological control agent of tropical soda apple (Solanum viarum)”.

4:15-4:30 pm. Peter Stiling.
[56] “The effects of elevated CO₂ cascade through plants to herbivores, but not to other trophic levels”.

[57] “Effect of rising CO₂ levels on the performance of tropical soda apple and its biocontrol agent Gratiana boliviana”.

4:45-5:00 pm. James P. Cuda.

[58] “Biology and host range of the Brazilian peppertree stem boring weevil, Apocnemidophorus pipitzi (Coleoptera: Curculionidae)”.

5:00-5:10 Closing Remarks

TUESDAY AFTERNOON, JULY 27, 2010

SYMPOSIUM: General Entomology Contributed Papers:

CONCURRENT SESSION, continued
Moderator: TBA, POMPANO- ROOM

2:30- Introduction

2:35 [59] Reducing Insecticide Use on Guatemalan Snow Peas
Hugh A. Smith¹, Ana Cristina Bailey², Luis F. Calderón², Charles M. MacVean² José Manuel Benavente², Rafaél Oroxóm², and Fredi O. Xocop².

2:47 [60] A new material for controlling RIFA’s in record time
Bruce Ryser, Dr. Reid Ipser, and Dr. Dina Richman, FMC Corporation, 9703 Cypress Pond Avenue, Tampa, FL. 33647. bruce.ryser@fmc.com

2:59 [61] Effects of Soil and Foliar applied insecticides on Silverleaf Whitefly populations and Tomato Yellow Leaf Curl Virus (TYLCV) transmission in two varieties of field grown tomatoes
Kostyk, B.C and Stansly, P.A
University of Florida, Institute of Food and Agricultural Sciences Southwest Florida Research and Education Center, 2685 State Rd. 29 N, Immokalee, FL 34142

3:11 [62] Acoustic survey of the newly invasive red palm weevil, Rhynchophorus ferrugineus (Olivier), in Curacao and Aruba

3:23 –3:38 BREAK  {Encourage everyone to go see Poster Presentations}

3:38 [63] Re-Invasion Capacity of Melaleuca quinquenervia in a Seasonally Inundated Wetland in the Western Everglades
Philip W. Tipping. USDA-ARS Invasive Plant Research Laboratory, Ft. Lauderdale, FL 33314

Ragland, Gregory J¹, Jeffrey L. Feder², and Daniel A. Hahn¹
Sampling For Wireworms At Sugarcane Planting,
R. Cherry¹, P. Grose², and E. Barbieri², ¹Everglades Research and Education Center, Belle Glade, FL, ²King Ranch, South Bay, FL.

Can Tissue Elemental Signatures Provide Information on Diet and Provenance Feeding in Stored Product Insects?
Rizana M. Mahroof¹ and Thomas W. Phillips². ¹Department of Biological and Physical Sciences, South Carolina State University, Orangeburg, SC 29117, USA, ²Department of Entomology, Kansas State University, Manhattan, KS 66506, USA.

Pre-adaptive shift of an indigenous ant-eating predator (Araneae, Zodariidae) on an abundant, invasive species (Hymenoptera, Formicidae)
María Juan-Blasco, Stano Pekár, Oscar Mollá, Alberto Urbaneja, Pedro Castañera and César Monzó. cmonzo@ufl.edu SWFREC. University of Florida, 2685 SR 29 N. Immokalee, FL. 34142.

Parasitism of Blueberry Gall Midge (Diptera: Cecidomyiidae) Infesting Blueberry Flower and Leaf Buds
Craig R. Roubos and Oscar E. Liburd, University of Florida, Entomology and Nematology Dept., Bldg. 970 Natural Area Dr., Gainesville, FL 32611, roubosc@ufl.edu

Effect of temperature on blueberry gall midge larval and pupal development
Liburd O.E. and C.R. Roubos, University of Florida, Entomology and Nematology Dept., Bldg. 970 Natural Area Dr., Gainesville, FL 32611. oeliburd@ufl.edu

Predatory competition at the margins. Jeffrey Shapiro, Paul Shirk, Stuart Reitz, and Jean Thomas. USDA, ARS, CMAVE, 1700 SW 23rd Drive, Gainesville, FL 32605, jeff.shapiro@ars.usda.gov

WEDNESDAY MORNING, July 28, 2010

SYMPOSIUM: Center for Systematic Entomology AMBERJACK- ROOM

Organizers: J. E. Eger, Dow AgroSciences, Tampa, FL, and J. H. Frank, Dept. of Entomology and Nematology, University of Florida, Gainesville, FL

Center For Systematic Entomology Symposium - 25th Anniversary: Honoring Ross Arnett

8:00 Introduction: J. E. Eger

8:05 Ross Arnett: Contributions to Entomology. E. J. Gerberg, Dept. Entomology and Nematology, University of Florida, Gainesville, FL
Studies on the order Ephemeroptera (Insecta) in Cuba. Carlos Naranjo López (1), Janice G. Peters (2) & Merlin García Núñez (1). (1)Oriental Center of Ecosystems and Biodiversity (BIOECO), Museum of Natural History Tomás Romay, 601 Saco St., Santiago de Cuba. (2)Entomology, 409 Perry-Paige Florida A&M University Tallahassee, FL 32307.


Richness and phenology of moth community in north-central Florida. Andrei Sourakov and George Austin, McGuire Center, Florida Museum of Natural History, Gainesville, FL.

Pentatomoidea collected in French Guiana. J. E. Eger, Dow AgroSciences, Tampa, FL


WEDNESDAY MORNING, July 28, 2010

WORKSHOP: Africanized Bee Workshop POMPANO- Room

Organizer: Dr. Bill Kern, University of Florida, Ft. Lauderdale, FL

10-12:00 am- Dr. Bill Kern-
Management and control of AHB, for PCO’s, property managers, and others that might need to deal with feral colonies.

SYMPOSIUM: Contributed Papers, General Entomology
Moderator: TBA as needed POMPANO ROOM

8:00- Introduction (Notes: times 8 min/presentation, 2 min/for questions.
8:05-9:00AM