

# Final Program Agenda - 4<sup>th</sup> International Bemisia Workshop

## Sunday, December 3, 2006

5:00pm – 8:00pm

**Registration Office Open**

5:00pm – 8:00pm

**Early Bird Social & Poster Presenters Set-up Displays**

## Monday, December 4, 2006

8:00 am – 5:10 pm

**Registration Office Open**

8:00 am – 9:30 am

**Early Morning Refreshments**

9:30 am – 9:45am

**Official Workshop Opening — Phil Stansly**, Professor of Entomology, University of Florida/IFAS, Southwest Florida Research and Education Center (SWFREC), Immokalee, FL, USA – *and* – **Cindy McKenzie**, Research Entomologist, USDA-ARS, US Horticultural Research Laboratory, Fort Pierce, FL, USA

9:45am – 10:00am

**University of Florida Welcome — Mark R McLellan** – Dean for Research, University of Florida/IFAS, Gainesville, FL, USA

10:00am – 10:15am

**USDA Welcome — Calvin Arnold**, Laboratory Director, USDA-ARS, US Horticultural Research Laboratory, Fort Pierce, FL, USA

10:15 am – 11:00 am

**Bemisia Research: Past, Present & Future – Dan Gerling**, Professor, Department of Zoology, Tel Aviv University, Ramat Aviv, Israel – *and* – **Paul De Barro**, Stream Leader, Preparedness, CSIRO Entomology, Queensland, Australia

11:00 am – 11:45 am

**Invasion and Response: Impacts of Bemisia on Worldwide Agriculture – Lance S. Osborne**, Associate Center Director, Professor, IPM-Biological Control of Insects & Mites, Mid-Florida Research & Education Center, Apopka, FL, USA

11:45 am – 12 noon

**Sponsor Recognition and Housekeeping Remarks**

12noon – 1:30 pm

**Group Luncheon**

**1:30 pm – 3:10 pm**

**SESSION I– Biotypes and Genomics**

**MODERATOR: Judith K. Brown**, Professor, Department of Plant Sciences, The University of Arizona, Department of Plant Sciences, Tucson, AZ, USA

1:30 pm – 1:40 pm

**Opening Remarks and Session Overview by Moderator**

1:40 pm – 2:10 pm

**Can Molecules Solve the *Bemisia* Conundrum When Morphology Cannot? A Taxonomist's Perspective — Raymond J. Gill**, Insect Biosystematist, Emeritus-California Dept. Food and Agriculture, Sacramento, CA, USA

2:10 pm – 2:30 pm

**Limited but Persistent Genetic Differentiation Among Biotype Q of *Bemisia tabaci*, the Only Biotype Detected in Protected Crops in Southern France — A. Dalmon<sup>1</sup>, F. Halkett<sup>2</sup>, M. Granier<sup>2</sup>, and M. Peterschmitt<sup>2</sup>; <sup>1</sup> INRA-LNPV, Plant Pathology Department, Montfavet, France; <sup>2</sup> CIRAD, UMR BGPI, Montpellier, France**

**Monday, December 4, 2006 (continued)**

**SESSION I continued – Biotypes and Genomics**

2:30 pm – 2:50 pm

**Characterization and Distribution of the Biotypes of the Whitefly *Bemisia tabaci* in Japan by Mitochondrial Cytochrome Oxidase I Sequence Analysis** — **Shigenori Ueda**<sup>1</sup>, Toshio Kitamura<sup>2</sup>, Ken-ichiro Honda<sup>2</sup>, and Kenkichi Kanmiya<sup>3</sup>. <sup>1</sup>National Agricultural Research Center for Kyushu Okinawa Region, National Agriculture and Food Research Organization, Kumamoto, Japan; <sup>2</sup>National Institute of Vegetable and Tea Science, National Agriculture and Food Research Organization, Mie, Japan; <sup>3</sup>Kurume University, School of Medicine, Fukuoka, Japan

2:50 pm – 3:10pm

**Population Genetics of *Bemisia tabaci* Biotypes B and Q from the Mediterranean and the U.S. Inferred Using Microsatellite Markers** — **Robert G. Shatters, Jr.**<sup>1</sup>, L.M. Boykin<sup>1</sup>, R.A. Bagnall<sup>2</sup>, R.C. Rosell<sup>2</sup>, D.R. Frohlich<sup>2</sup>, C.L. McKenzie<sup>1</sup>. <sup>1</sup>Subtropical Insects Research Unit, U. S. Horticultural Research Laboratory, ARS, USDA, Fort Pierce, FL, USA; <sup>2</sup>Biology Department, University of St. Thomas, Houston, TX, USA

3:10 pm – 3:30 pm

**Refreshment Break and Networking**

**3:30 pm – 5:10 pm**

**Session I continued – Biotypes and Genomics**

**MODERATOR: Robert G. Shatters, Jr.**, Research Molecular Biologist, USDA-ARS, US Horticultural Research Laboratory, Fort Pierce, FL, USA

3:30 pm – 3:50 pm

**Cytoplasmic Incompatibility Phenotypes from Reciprocal Crosses of Three Biotypes of the *Bemisia Tabaci* Complex are Associated with *Cardinium* (Bacteroidetes) and *Wolbachia*, and Apparent Partial Rescue of CI Yielding Sex Bias** — **J.K. Brown**<sup>1</sup> and Rafael De J Caballero<sup>1,2</sup>. <sup>1</sup>Department of Plant Sciences and <sup>2</sup>Department of Entomology, The University of Arizona, Tucson, AZ, USA

3:50 pm – 4:10 pm

**Gene Expression in Pyriproxyfen Resistant *Bemisia tabaci* Q Biotype** — **Murad Ghanim** and Svetlana Kontsedalov, Institute of Plant protection, Department of Entomology, the Volcani Center, Bet Dagan, Israel

4:10 pm – 4:30 pm

**The Involvement of Glutathione S-Tranferases from *Bemisia tabaci* (Hemiptera: Aleyrodidae) in Plant-Insect Interactions** — **Shai Morin**<sup>1</sup>, Fishel Alon<sup>1</sup>, and Michal Alon<sup>1</sup>. <sup>1</sup>Department of Entomology, the Hebrew University of Jerusalem, Faculty of Agricultural, Food and Environmental Quality Sciences, Rehovot, Israel

4:30 pm – 4:50 pm

**Analysis of *Bemisia tabaci* Gene Expression Using *Drosophila* Microarrays** — **Henryk Czosnek**<sup>1</sup>, Murad Ghanim<sup>2</sup>. <sup>1</sup>Faculty of Agriculture, The Hebrew University of Jerusalem, Rehovot, Israel <sup>2</sup> Institute of Plant protection, Department of Entomology, the Volcani Center, Bet Dagan, Israel

4:50pm – 5:10pm

**Session Recap and GROUP DISCUSSION**

7:00 pm – 10:00 pm

**WELCOME RECEPTION - POOLSIDE**

**Tuesday, December 5, 2006**

7:30 am – 5:10 pm

**Registration Office Open**

7:30 am – 8:30 am

**Early Morning Refreshments**

7:30 am – 5:00 pm

**Posters on Display**

**8:30 am – 10:10 am**

**SESSION II – Biology & Ecology**

**MODERATOR: Steven E. Naranjo**, Research Entomologist,  
USDA-ARS, Arid-Land Agricultural Research Center, Maricopa, AZ, USA

8:30 am – 8:35 am

**Opening Remarks and Session Overview by Moderator**

8:35 am – 8:55am

**The Inside Story: Bacteriocyte-Associated Endosymbionts of Whiteflies**  
— **Rosemarie C. Rosell**, University of St. Thomas, Houston, TX, USA

8:55 am – 9:15 am

**Ultrastructural Characteristics of *Bemisia* Adult and Nymph Feeding**  
— **Thomas P. Freeman**<sup>1</sup>, James S. Buckner<sup>2</sup>, Chang C. Chu<sup>3</sup>, Scott A. Payne<sup>1</sup>, and Jayma A. Moore<sup>1</sup>, <sup>1</sup>Electron Microscopy Center, North Dakota State University, Fargo, North Dakota, USA, <sup>2</sup>Biosciences Research Laboratory, USDA-ARS, Fargo, North Dakota, USA, <sup>3</sup>USDA-ARS, Arid-Land Agricultural Research Center, Maricopa, Arizona, USA

9:15 am – 9:35 am

**Dynamics of Digestive Enzymes of *Bemisia tabaci* (Gennadius) B-Biotype and *Trialeurodes vaporariorum* (Westwood) During Plant Species Switching** — **Fang-Hao Wan**<sup>1,2</sup>, Gui-Fen Zhang<sup>1,2</sup> and Fang Lei<sup>1</sup>, <sup>1</sup>State Key Laboratory for Biology of Plant Diseases and Insect Pests, Institute of Plant Protection, Chinese Academy of Agricultural Sciences, Beijing, China, <sup>2</sup>Center for Management of Invasive Alien Species, Ministry of Agriculture, Beijing, China

9:35 am – 9:55 am

**A Comparative Study on Mating Behavior between the B Biotype and a Non-B Biotype of *Bemisia tabaci* from Zhejiang, China** — Lian-Sheng Zang<sup>1,2</sup> and Shu-Sheng Liu<sup>1</sup>, <sup>1</sup>Institute of Insect Science, Zhejiang University, Hangzhou, China, <sup>2</sup>College of Agriculture, Jilin Agricultural University, Jilin, China

9:55am – 10:15am

**Refreshment Break and Networking**

**10:15 am – 12:10pm**

**SESSION II continued - Biology & Ecology**

**MODERATOR: James Legg**, Vector Entomologist, IITA, Dar es Salaam, Tanzania

10:15 am - 10:35 am

**Nutritional Factors Influencing Whitefly Development and Flight Behavior: the Search for a Suitable Bioassay to Test Hypotheses** — **Jackie L. Blackmer** and Linda L. Lee, USDA-ARS, Arid-Land Agricultural Research Center, Maricopa, Arizona, USA

10:35 am – 10:55 am

***Bemisia tabaci*, a Top 100 Invader** — **Paul De Barro**, CSIRO Entomology, Queensland, Australia

**Tuesday, December 5, 2006 (continued)**

**SESSION II continued - Biology & Ecology**

10:55 am – 11:15 am

**Mortality Factors Affecting Populations of *Bemisia tabaci* on Cassava in Uganda** — Peter Asiiimwe<sup>1,2</sup>, Justin Ecaat<sup>1</sup>, Michael Otim<sup>2</sup>, Dan Gerling<sup>3</sup>, Moshe Guershon<sup>3</sup>, Samuel Kyamanywa<sup>2</sup> and James P. Legg<sup>4,5</sup>,  
<sup>1</sup>International Institute of Tropical Agriculture-Uganda, Kampala, Uganda, <sup>2</sup>Makerere University, Kampala, Uganda, <sup>3</sup>Tel Aviv University, Ramat Aviv, Israel, <sup>4</sup>International Institute of Tropical Agriculture-Tanzania, Dar es Salaam, Tanzania, <sup>5</sup>Natural Resources Institute, University of Greenwich, Chatham Maritime, Kent, UK

11:15 am – 11:35 am

**Mortality and Population Dynamics of *Bemisia tabaci* within a Multi-Crop System** — Steven E. Naranjo<sup>1</sup>, Peter C. Ellsworth<sup>2</sup> and Luis Cañas<sup>3</sup>,  
<sup>1</sup>USDA-ARS, Arid-Land Agricultural Research Center, Maricopa, Arizona, USA, <sup>2</sup>Department of Entomology, University of Arizona, Maricopa Agricultural Center, Maricopa, Arizona, USA, <sup>3</sup>Department of Entomology, Ohio State University, OARDC, Wooster, Ohio, USA

11:35 am – 11:55 am

**Changes in the Biology of *Bemisia tabaci* on Cassava in Africa and Their Impact on Virus Disease Pandemics** — James P. Legg<sup>1,2</sup>, Peter Asiiimwe<sup>3</sup>, Peter Sseruwagi<sup>4</sup> and Judith K. Brown<sup>5</sup>, <sup>1</sup>International Institute of Tropical Agriculture-Tanzania, Dar es Salaam, Tanzania, <sup>2</sup>Natural Resources Institute, Chatham Maritime, Kent, UK, <sup>3</sup>International Institute of Tropical Agriculture-Uganda, Kampala, Uganda, <sup>4</sup>Kawanda Agricultural Research Institute, Kampala, Uganda, <sup>5</sup>University of Arizona, Tucson, Arizona, USA

11:55 am – 12:10 pm

**Session Recap and GROUP DISCUSSION**

12:10 pm - 1:20 pm

**Group Luncheon**

**1:20 pm – 3:10 pm**

**SESSION III –Damage Potential & Vector Relations**

**MODERATOR: Moshe Lapidot**, Plant Virologist, Volcani Center, ARO Institute of Plant Sciences, Bet Dagan, Israel

1:20 pm – 1:30 pm

**Opening Remarks and Session Overview by Moderator**

1:30 pm – 1:50 pm

**Vector Specificity of Criniviruses in Tomato and Virus Competitiveness During Mixed Infection** — W. M. Wintermantel, USDA-ARS, Salinas, CA, USA

1:50 pm – 2:10 pm

**Whitefly (*Bemisia tabaci*) Transmitted Squash Vein Yellowing Virus (SqVYV): A Component of Watermelon Vine Decline in South Florida** — Pamela D. Roberts<sup>1</sup>, Philip A. Stansly<sup>2</sup>, Scott Adkins<sup>3</sup>, Susan Webb<sup>4</sup>, Carlye Baker<sup>5</sup>, Benny Bruton<sup>6</sup>, Rosa Muchovej<sup>1</sup>, Diann Achor<sup>7</sup>, C.S. Kousik<sup>8</sup>, Alicia L. Whidden<sup>9</sup>, Gene McAvoy<sup>10</sup>, and Phyllis Gilreath<sup>11</sup>.  
<sup>1</sup>University of Florida, Department of Plant Pathology, SWFREC, Immokalee, FL, USA; <sup>2</sup>University of Florida, Department of Entomology & Nematology, Immokalee, FL, USA; <sup>3</sup>United States Department of Agriculture-ARS, USHRL, Fort Pierce, FL, USA. <sup>4</sup>University of Florida, Department of Entomology & Nematology, Gainesville, FL, USA; <sup>5</sup>Florida Department of Agriculture, Division of Plant Industry, Gainesville, FL, USA; <sup>6</sup>United States Department of Agriculture-ARS, Lane, Oklahoma, USA. <sup>7</sup>University of Florida, CREC, Lake Alfred, FL, USA; <sup>8</sup>US Vegetable Lab, USDA, Charleston, SC, USA; <sup>9</sup>University of Florida/IFAS, Hillsborough County Extension Service, Seffner, FL, USA; <sup>10</sup>University of Florida/IFAS, Hendry County Extension Service, LaBelle, FL, USA; <sup>11</sup>University of Florida/IFAS, Manatee County Extension Service, Palmetto, FL, USA

**Tuesday, December 5, 2006 (continued)**

**SESSION III –Damage Potential & Vector Relations**

2:10 pm – 2:30 pm

**Squash Vein Yellowing Virus, a Novel Ipomovirus, Isolated from Squash and Watermelon in Florida** — Scott Adkins<sup>1</sup>, Susan E. Webb<sup>2</sup>, Diann Achor<sup>3</sup>, Chandrasekar S. Kousik<sup>4</sup>, Pamela D. Roberts<sup>5</sup>, and Carlye A. Baker<sup>6</sup>; USDA-ARS, <sup>1</sup>Fort Pierce, FL and <sup>4</sup>Charleston, SC; University of Florida, <sup>2</sup>Gainesville, <sup>3</sup>Lake Alfred, and <sup>5</sup>Immokalee, FL; and <sup>6</sup>FDACS-DPI, Gainesville, FL

2:30 pm – 2:50 pm

**The Effect of Begomoviruses on Whitefly Fitness** — J. E. Polston<sup>1</sup> and M. Toapanta<sup>2</sup>; <sup>1</sup>Department of Plant Pathology, University of Florida, Gainesville, FL and <sup>2</sup>Bayer CropScience, Tampa, FL

2:50 pm – 3:10 pm

**Tomato Plants and Whitefly Interactions: Can It Be a Love Story?** — M. Lapidot<sup>1</sup> and D. Levy<sup>2</sup>. <sup>1</sup>Institute of Plant Sciences, Volcani Center, ARO, Bet Dagan, Israel; <sup>2</sup>Hazera Genetics, Mivhor, Israel

3:10 pm – 3:30 pm

**Refreshment Break and Networking**

**3:30 pm – 5:10 pm**

**SESSION III continued – Damage Potential & Vector Relations**

**MODERATOR:** Jane E. Polston, Professor, Department of Plant Pathology, University of Florida/IFAS, Gainesville, FL, USA

3:30 pm – 3:50 pm

**Squash Leaf Curl Virus Localizes in Primary Salivary Gland Compartments, and at Midgut and Filter Chamber Brush Border Cells in Viruliferous *Bemisia tabaci*** — J. M. Cicero and J. K. Brown, Department of Plant Sciences, The University of Arizona, Tucson, AZ, USA

3:50 pm – 4:10 pm

**Determining the Role of Ethylene Biosynthesis in the Development of Tomato Irregular Ripening Disorder Using Microarray Technology and rt-Real Time PCR** — C. L. McKenzie<sup>1</sup>, X. H. Sinisterra<sup>1</sup>, J. P. Albano<sup>1</sup>, C. A. Powell<sup>2</sup>, Scot E. Dowd<sup>3</sup>, R. G. Shatters, Jr.<sup>1</sup> <sup>1</sup>Subtropical Insect Research Unit, U. S. Horticultural Research Laboratory, USDA-ARS, Fort Pierce, FL, USA; <sup>2</sup>Indian River Research and Education Center, IFAS, University of Florida, Fort Pierce, FL, USA; <sup>3</sup>Livestock Issues Research Unit, USDA-ARS, Lubbock, TX, USA

4:10 pm – 4:30 pm

**Association of the ‘Distortion-Recovery Phenotype’ in ‘Anaheim’ Pepper Systemically Infected With the Non-Whitefly Transmissible PepGMV-Distortion Strain (Di), With the BCI/Promoter Region** — A. M. Idris and J. K. Brown, Department of Plant Sciences, The University of Arizona, Tucson, AZ, USA

4:30 pm – 4:50 pm

**Identification of *Bemisia argentifolii* Resistant Loci from *Solanum habrochaites* Accession LA1777** — Aliya Momotaz, Jay W. Scott and David J. Schuster, Gulf Coast Research and Education Center, IFAS, University of Florida, Wimauma, FL, USA

4:50 pm – 5:10 pm

**Making a Friend from a Foe: Expressing a GroEL Gene from the Whitefly *Bemisia tabaci* in the Phloem of Tomato Plants Confers Resistance to Tomato Yellow Leaf Curl Virus** — F. Akad<sup>1</sup>, A. Eybishtz<sup>1</sup>, D. Edelbaum<sup>1</sup>, O. Dar-Issa<sup>2</sup>, N. Iraki<sup>2</sup> and H. Czosnek<sup>1</sup>; <sup>1</sup>The Otto Warburg Minerva Center for Agricultural Biotechnology & The Robert H. Smith Institute for Plant Science and Genetics in Agriculture, The Hebrew University of Jerusalem, Rehovot, Israel; <sup>2</sup>UNESCO Biotechnology Center, Bethlehem University, Bethlehem, West Bank, Palestinian Authority

5:10pm – 5:30pm

**Session Recap and GROUP DISCUSSION**

5:30 pm – 8:00 pm

**Poster Session & Networking Reception**



11:50 am - 12:10 pm

**Session Recap and GROUP DISCUSSION**

12:10pm - 1:30 pm

**Group Lunch**

**Wednesday, December 6, 2006**

**1:30 pm – 3:10 pm**

**SESSION V – IPM & Biological Control**

**MODERATOR: Dan Gerling**, Professor, Department of Zoology, Tel Aviv University, Ramat Aviv, Israel

1:30 pm – 1:40 pm

**Opening Remarks and Session Overview by Moderator**

1:40 pm – 2:00 pm

**Successes and Challenges of Using Biological Control against *Bemisia tabaci*: A Producer's View-point** — Jan Vermeulen<sup>1</sup> and Paco Lozano Rubio<sup>1</sup> <sup>1</sup>Biobest NV, Belgium

2:00 pm – 2:20 pm

**Controlling the Tobacco Whitefly *Bemisia Tabaci* (Genn.) (Hom.: Aleyrodidae) in Horticultural Crops with the Predatory Mite *Amblyseius swirskii* (Athias-Henriot)** — Javier Calvo<sup>1</sup>, Karel Bolckmans<sup>2</sup>, José E. Belda<sup>1</sup>; <sup>1</sup>Departamento I+D, Koppert Biological Systems, Águilas (Murcia), Spain; <sup>2</sup>Koppert Biological Systems, AD Berkel en Rodenrijs, The Netherlands

2:20 pm – 2:40 pm

**Biological Control of Whitefly in Poinsettia in Ontario, Canada** — Graeme D. Murphy<sup>1</sup>, M. Short<sup>2</sup>, A-M Cooper<sup>3</sup>, M. Fast<sup>4</sup>, D. Neal<sup>5</sup>, and S. Jandricic<sup>2</sup> <sup>1</sup>Ontario Ministry of Agriculture, Food and Rural Affairs, Vineland, Ontario, Canada; <sup>2</sup>Eco Habitat Agri Services, Puslinch, Ontario, Canada. <sup>3</sup>Plant Products Co. Ltd. Brampton, Ontario, Canada; <sup>4</sup>Global Horticultural Inc. Beamsville, Ontario, Canada; <sup>5</sup>Koppert Canada Limited, Scarborough, Ontario, Canada

2:40 pm – 3:00 pm

***Bemisia tabaci* Biotype Q and its Natural Enemies in Vegetable and Ornamental Crops** — Judit Arnó, J. Roig and R. Gabarra, Departament de Protecció Vegetal. IRTA-Cabrils, (Barcelona), Spain

3:00 pm – 3:20 pm

**Refreshment Break & Networking (Poster Displays to be Removed)**

**3:20 pm – 5:30 pm**

**SESSION V continued - IPM & Biological Control**

**MODERATOR: Jesusa Crisostomo Legaspi**, USDA, ARS, CMAVEFAMU-CBC, Tallahassee, FL, USA

3:20 pm – 3:40 pm

**Conservation of Natural Enemies Through use of Selective Insecticides: Recent Developments** — Steven E. Naranjo<sup>1</sup> and Peter C. Ellsworth<sup>2, 1</sup> USDA-ARS, Arid-Land Agricultural Research Center, Maricopa, AZ, USA; <sup>2</sup> Department of Entomology, University of Arizona, Maricopa Agricultural Center, Maricopa, AZ, USA

3:40 pm – 4:00 pm

**Status of *Eretmocerus* (Hymenoptera: Aphelinidae) Systematics** — Gregory Zolnerowich, Department of Entomology, Kansas State University, Manhattan, KS, USA

4:00 pm – 4:20 pm

**Detection of *Bemisia tabaci* (Homoptera: Aleyrodidae) Remains in Predator Guts using a Sequence-Characterized Amplified Region Marker** — Gui-Fen Zhang<sup>1,2</sup>, Zhi-Chuang Lü<sup>1</sup>, Fang-Hao Wan<sup>1,2\*</sup> <sup>1</sup>State Key Laboratory for Biology of Plant Diseases and Insect Pests, Institute of Plant Protection, Chinese Academy of Agricultural Sciences, Beijing, China; <sup>2</sup> Center for Management of Invasive Alien Species, Ministry of Agriculture, Beijing, China

4:20 pm – 4:40 pm

**Novel Candidates for the Development of Biopesticides to Control Whitefly Pests** — Dale B. Gelman<sup>1</sup>, Jing S. Hu<sup>1</sup>, Phyllis A. W. Martin<sup>1</sup>, Michael B. Blackburn<sup>1</sup> and Michael E. Salvucci<sup>2</sup>. <sup>1</sup>Insect Biocontrol Laboratory, USDA, ARS, Beltsville, MD, USA. <sup>2</sup>Western; Cotton Research Laboratory, USDA, ARS, Phoenix, AZ, USA

**Wednesday, December 6, 2006 (continued)**

**SESSION V continued – IPM & Biological Control**

- 4:40 pm – 5:00 pm **Intraguild Interactions between *Bemisia tabaci* Predator, *Delphastus catalinae*, and Parasitoid, *Encarsia sophia*, and their Impacts on Whitefly Suppression — Lian-Sheng Zang and Tong-Xian Liu;**  
Vegetable IPM Laboratory, Texas A&M Agricultural Experiment Station,  
Weslaco, TX USA
- 5:00 pm – 5:20 pm **Life History of *Delphastus catalinae*: A Predator of *Bemisia tabaci* —**  
**Jesusa Crisostomo Legaspi<sup>1</sup>, Alvin M. Simmons<sup>2</sup>, and Benjamin C.**  
**Legaspi, Jr.<sup>3</sup>** <sup>1</sup>USDA, ARS, CMAVE-FAMU-CBC, Tallahassee, FL, USA;  
<sup>2</sup>U.S. Vegetable Laboratory, USDA-ARS, Charleston, SC, USA <sup>3</sup>FL PSC,  
FL, USA
- 5:20 pm - 5:40 pm **Session Recap and GROUP DISCUSSION**
- 7:00 pm – 10:00 pm **Gala Dinner Event**

**Thursday, December 7, 2006**

- 7:30 am – 8:30 am Early Morning Refreshments for Field Trip Participants
- 8:30 am – 3:00 pm **Field Trip for Bemisia Workshop Attendees**
- 7:30 am - 8:00 am Morning Refreshments as we prepare to Board Bus for Field Trip
- 8:00 am Bus Departs Hawk's Cay Resort
- 9:30 am – 10:15 am Tour of a tomato farm with whitefly problems
- 10:30 am – 11:15 am Tour of an ornamental operation with whitefly concerns.
- 11:45 am – 12:30 pm Tour of the UF/IFAS Tropical Research and Education Center (TREC)
- 12:30 pm-1:15 pm Lunch at the TREC
- 3:00 pm Return to Hawk's Cay Resort

*A representative at each stop will be available to describe their problems with whiteflies, their actions to deal with these problems, and to share what they would like to see in the way of advances in management technology*