THE PROGRAM

Tuesday (March 25, 2014)

7:30am Registration……………………………………………… AMCD Staff

Panel Session:

Moderator: Dr. Rui-De Xue, Director, AMCD, St. Augustine, FL

8:30am Welcome & Introduction…Mrs. Catherine Brandhorst, Chairperson, AMCD’s Board of Commissioners; Dr. Ken Linthicum, Center Director, USDA/CMAVE; Mr. Neil Wilkinson, President of the FMCA.

8:40am Keynote Speaker: New Insights into the Ecology of Eastern Equine Encephalitis Virus Transmission in the Southeastern USA…Dr. Thomas Unnasch, Distinguished USF Health Professor & Department Chair, University of South Florida, Tampa, FL

9:20am Dengue vector control in Malaysia…Dr. Abu Ahmad, Professor, Universiti Sains, Malaysia

9:45am The Transgenic Aedes Mosquitoes and its Release for Dengue Control in Brazil…Dr. Aldo Malavasi, Director, Medfly and Mosquito Facility, Brazil

10:10am Overview of Dengue Vaccine Study in China…Dr. Qiang-Ming Sun, Visiting Professor, Yale University, New Haven, CT

11:00am Real time monitoring of the Dengue vector online: cost benefit of a Brazilian technology…Dr. Alvaro E. Eiras, Professor, Universidade Federal de Minas Gerais, Belo Horizonte, Brazil

10:45am. Break

Moderator: Dr. Ken Linthicum, Center Director, USDA/CMAVE, Gainesville, FL

11:00am Historical perspective of Dengue fever and its management control strategy in Saudi Arabia…Dr. Abdul Aziz Althbyani, Assistant Professor, University of Saudi Arabia

11:40am Challenges for the malaria vector control strategies in three ecological zones (West, Central and East Africa)…Dr. Seydou Doumbia, Professor & Co-Director of MRTC/FMPOS, University of Sciences, Techniques and Technology of Bamako, Mali

12:00pm An update about Clarke’s new products for mosquito control…Mr. Frank Clarke, Vice President, Clarke, Kissimmee, FL
12:10pm. Lunch break (provided by Clarke)

Programs & Associations:

Moderator: Dr. Gary Clark, Research Leader, USDA/CMAVE, Gainesville, FL

1:00pm The International Center of Excellence in Research of Vector-borne Diseases in Mali... Dr. Traore Sekou F., Professor & Co-Director of MRTC/FMPOS, University of Sciences, Techniques and Technology of Bamako, Mali

1:20pm Overview of USDA/CMAVE program ... Dr. Ken Linthicum, Center Director, USDA/CMAVE, Gainesville, FL

1:40pm USDA/Rutgers University’s area wide management program of *Aedes albopictus*... Dr. Gary Clark, Research Leader, USDA/CMAVE, Gainesville, FL www.rci.rutgers.edu/~AWATM

2:00pm Update on the American Mosquito Control Association... Dr. Roxanne Connelly, President of the AMCA, Professor, Univ. of Florida / IFAS / FMEL, Vero Beach, FL

2:15pm Overview of the Society of Vector Ecology... Dr. Dan. Kline, Vice President of the SOVE, Research Entomologist, USDA/ARS/CMAVE, Gainesville, FL

2:30pm Update on the Florida Mosquito Control Association... Mr. Neil Wilkinson, Florida Gulf Coast University, Ft. Myers, FL

2:45pm Chemical and biological threats and vulnerabilities in industry and academia... Mrs. Bridgette Frost, FBI Special Agent, Jacksonville, FL

3:05pm. Break

Arbovirus /Dengue Outbreak in Martin:

Moderator: Dr. John Beier, Professor, University of Miami, Miami, FL

3:20pm Arbovirus surveillance in Florida, 2013... Stephanie M. Moody-Geissler, MPH, Arbovirus Surveillance Coordinator, Bureau of Epidemiologist, DOH, Tallahassee, FL

3:40pm Dengue outbreak in Martin County, Florida in 2013... Mrs. Karlette Peck, DOH of Martin County, Stuart, FL

4:00pm FDACS’s entomological investigation on the 2013 outbreak of dengue fever in Martin County ... Dr. Peter Jiang, Medical Entomologist, Bureau of Pesticides, DACS, Tallahassee, FL

4:15pm Larval surveillance of dengue fever vectors, *Aedes aegypti* and *Aedes albopictus* in Hillsborough County, FL, 2011-2012... Dr. Azliyati Azizan, Assistant Professor, Dept. of Global Health, University of South Florida, Tampa, FL

4:35pm Analysis of sentinel chickens and arbovirus in St. Johns County ... Mr. Richard Weaver, Data Manager, AMCD, St. Augustine, FL

4:45pm WNV in Jacksonville, Florida, 2013 and activity pattern of vector mosquitoes... Ms. Marah Clark, Entomologist, Jacksonville MCD, FL
5:00pm  Cooperative projects to control *Aedes aegypti* in Florida and Thailand… *Drs. Kenneth Linthicum & Seth C. Britch, USDA/CMAVE, Gainesville, FL*

5:20pm  *End of the session*

6:00pm  *Dinner & Lecture (Holiday Isle, Beach Blvd., City of St. Augustine Beach). Highlights of the Oldest City… Mr. John Regan, City Manager, St. Augustine, FL*

**Wednesday (March 26, 2014)**

**Biology:**

**Moderator:** *Dr. Dan Kline, Research Entomologist, USDA/CMAVE, Gainesville, FL*

8:30am  Sex, Y, and the control of mosquito-borne infectious diseases… *Dr. Jake Tu, Professor, Virginia Tech University, Blacksburg, VA*

8:50am  Gene silencing as a strategy for vector control… *Dr. James Becnel, Research Entomologist and Al Estep, USDA/CMAVE, Gainesville, FL*

9:10am  Update about research on carbonic anhydrases in *Aedes aegypti*… *Mr. D. Dixon & Dr. Paul Linser, Professor, University of Florida, Whitney Laboratory, St. Augustine, FL*

9:30am  Integrating molecular tools with Florida Mosquito Control… *Dr. Liming Zhao, Research Assistant Professor, UF/IFAS/FMEL, Vero Beach, FL*

9:50am  Environmental assessment of mosquito ecology in Northern Haiti… *Dr. Whitney A. Qualls, Miss D.M. Samson, & Dr. John Beier, University of Miami, FL*

10:30am  *Break*

**Attractant /Trap/ Repellent:**

*Dr. Uli Bernier, Research Chemist, USDA/CMAVE, Gainesville, FL*

10:40am  Developing new insecticides and repellents for skin and cloth… *Dr. Uli Bernier, Research Chemist, USDA/CMAVE, Gainesville, FL*

11:00am  Evaluation of spatial repellents for military use… *LT. Marcus McDonough, Navy Entomology Center of Excellence, Jacksonville, FL*

11:15am  Plant flower attraction for *Aedes albopictus*… *Dr. Dan. Kline, Research Entomologist, USDA/CMAVE, Gainesville, FL*

11:35am  Field assessment of yeast and oxalic acid generated CO2 for mosquito surveillance… *LT. James Harwood, Navy Entomology Center of Excellence, Jacksonville, FL*
11:50am Five light trap comparison for collection of mosquitoes and non-target insects… Dr. Chun-Xiao Li, Visiting Scientist, University of Florida, Dept. of Entomology and Nematology, Gainesville, FL

12:00pm An update about ADAPCO’s new technology… Mr. Derek Wright, ADAPCO, Sanford, FL

**12:15pm Lunch Break (provided by ADAPCO)**

**Larval Habitants & Control:**

Moderator: Dr. Jerry Hogsette, Research Entomologist, USDA/ARS/CMAVE, Gainesville, FL

1:00pm Florida’s Indian River Lagoon: Mosquito control within an estuary in distress… Mr. Doug Carlson, Director, Indian River Mosquito Control District, Vero Beach, FL.

1:20pm Vertical distribution of container-inhabiting Aedes mosquitoes in a LaCrosse virus endemic area… Mr. Michael Riles, Dr. Bruce Harrison, and Dr. Brian Byrd, University of Western North Carolina, NC

1:30pm Acoustic techniques for mosquito control in Houston, TX... Mr. Herbert Nyberg, Owner, New Mountain Innovations, Inc., Niantic, CT

1:35pm VTOL drone flying and hovering over ponds for possible mosquito control… Mr. John Olsen, President, Cree Industries Inc., FL

2:45pm Aerial larval control with Altosid applied from an autonomous multirotor aircraft... Dr. Gregory Williams and Dr. Randy Gaugler, Rutgers University, New Brunswick, NJ

3:00pm Evaluation of Mosquiron CRD against Culex quinquefasciatus in downtown storm drains, St. Augustine, FL… Mrs. Ali Fulcher, Biologist, AMCD, St. Augustine, FL

3:10pm A durable dual action lethal ovitrap for control of container breeding mosquitoes … Dr. Roberto Pereira & Dr. Phil Koehler, Dept. of Entomology & Nematology, Univ. of Florida, Gainesville, FL

3:20pm Wildlife lighting - protect wildlife through responsible lighting practices… Mr. Mike Hudon, Research Entomologist, Indian River Mosquito Control District, Vero Beach, FL

**3:35pm Break**

**Adult Control:**

Moderator: Dr. Jake Tu, Professor, Virginia Tech University, Blacksburg, VA

3:40pm Update on RIDL trial results and future prospects… Mr. Derric Nimmo, Oxitec Ltd., London, UK

3:50pm Hand thermal fogging comparison study… Mrs. Ali Fulcher, Biologist, AMCD, St. Augustine, FL

4:00pm Sticky traps against Aedes aegypti… Ms. Emily Thompson and Ms. Jodi Scott, AMCD, St. Augustine, UF/Department of Entomology & Nematology, Gainesville, FL
4:10pm   Exploring new thermal fog and ultra-low volume technologies to improve indoor control of the dengue vector, *Aedes aegypti*… LT. James Harwood, Navy Entomological Center of Excellence, Jacksonville, FL

4:25pm   The knight stick: a new trap for stable flies… Dr. Jerry Hogsette, Research Entomologist, USDA/ARS/CMAVE, Gainesville, FL

4:45pm   Attractive targeted sugar baits (ATSB)… Mrs. Julie Lear, Marketing Director, Universal Pest Solutions, Dallas, TX

4:55pm   Attractive toxic sugar bait station for malaria vector control in Mali… Mr. Mohamed M. Traore, University of South Carolina, Colombia, SC

5:10pm   Aerial spray to control *Aedes aegypti* in Manatee County, FL… Mr. Mark Latham, Director, Manatee County Mosquito Control District, FL

5:30pm   End of the session

**Thursday (March 27, 2014)**

**Program, Education, & Legislation:**

Moderator: Mr. Neil Wilkinson, Florida Gulf Coast University, Ft. Myers, FL

8:30pm   Overview of school program at Lee County Mosquito Control District… Mr. Neil Wilkinson, Florida Gulf Coast University, Ft. Myers, FL

8:50am   Efficacy of a new fly bait containing Cyantraniliprole… Casey Parker, Roberto Pereira, & Phil Koehler, Dept. of Entomology & Nematology, Univ. of Florida, Gainesville, FL

9:00am   ATSB & IGR on plants against adult and larval *Aedes albopictus*… Ms. Jodi Scott, AMCD, St. Augustine, FL

9:10pm   DACS Update – Progress on Rulemaking… Mr. Michael Page, Chief, Bureau of Entomology and Pest Control, DACS, Tallahassee, FL

9:20pm   Mosquito population surveillance program in Shanghai CDC… Dr. Pei-En Leng, Director, Department of Vector Control & Disinfection, Shanghai CDC, Shanghai, China

9:35am   Overview of mosquito control research foundation… Mr. James Clauson, Director, Beach Mosquito Control District, Panama City, FL

9:50am   Program overview of Volusia County Mosquito Control, FL… Mr. James McNelly, Director, Volusia Mosquito Control District, New Smyrna Beach, FL

10:05am  South Walton County Mosquito Control program … Mr. Ben Brewer, Director, South Walton County Mosquito Control District, Santa Rosa Beach FL

10:20am  Break
**Surveillance, Control, & Others**

Moderator: Mr. Michael Page, Chief, Bureau of Entomology and Pest Control, DACS, Tallahassee, FL

10:35am  Large scale evaluation of a new barrier spray machine and barrier treatment… Mr. Mike Smith, Biotech, AMCD, St. Augustine, FL

10:45am  Early population outbreak of mosquitoes and control response in St. Johns County, FL… Mrs. Kay Gaines, Supervisor, AMCD, St. Augustine, FL

10:55am  Evaluating the temporal effects of nuvan prostrips for filth fly control… LCDR. Shani Gourdine, Navy Entomological Center for Excellence, Jacksonville, FL

11:10am  Evaluation of DeltaGard G as an Acaricide… LT. Mattew Yans, Navy Entomological Center for Excellence, Jacksonville, FL

11:25am  Database software with smart phone for operational mosquito control … Mr. Tim Morris, Mobisoft Infotech, Houston, TX

11:40am  Spot weather detectors & recorder and possible for mosquito control operation… Dr. William R. Eisenstadt, Professor, Dept. of Electrical & Computer Engineering, UF, Gainesville, FL

12:00pm  Update about products from UNIVAR… Mr. Jason E. Conrad, Industry Specialist, UNIVAR

12:10pm  Lunch break (provided by UNIVAR) & workshop end.