



SCIENTIFIC PROGRAMME

Monday, 12 May 2014

07.30-08.30 Registration & Poster Mounting

08.30-09:45 Opening Ceremony

09:45-10:30 **Opening Speaker :** *Dr. Anond Snidvongs*

*Executive Director, Geo-Informatics and Space Technology
Development Agency, Ministry of Science and Technology*

Applications of Geo-Informatics in Area-Wide Integrated Pest Management

10:30-11:00 BREAK

Session 1: Area-wide and Action Programs

Coordinators: *Pablo Liedo and Sunyanee Srikachar*

11:00-11:30 **Keynote Speaker:** *Donald McInnis*

Can Polyphagous Tephritid Pest Populations Remain Undetectable over Years under
Favorable Climatic and Host Conditions?

11:30-11:50 **OP 1.1 :** Population Dynamics of the Mediterranean Fruit Fly (*Ceratitidis capitata*,
Wied.) in Coffee Areas Located in the Guatemala - Chiapas, Mexico, Region,
and Its Implications in IPM Strategies
By Walther Enkerlin

11:50-12:10 **OP 1.2 :** Fruit Flies Area-wide Integrated Control Program in Thailand Success or Failed?
By Suksom Chinvinijkul

12:10-12:30 **OP 1.3 :** Suppression of Mediterranean Fruit Fly Using Sterile Insect Technique in
Neretva River Valley of Croatia
By Mario Bjeliš

12:30-13:30 LUNCH

Session 2: Biology, Ecology, Physiology and Behaviour

Coordinators: *Serge Quilici and Suksom Chinvinijkul*

13:30-14:00 **Keynote Speaker :** *Phillip Taylor*

The Tephritid Tardis: How Queensland Fruit Flies Escape in Time

14:00-14:20 **OP 2.1 :** Pupal Diapause Development and Termination is Driven by Low
Temperature Chilling in *Bactrocera minax*
By Changying Niu

14:20-14:40 **OP 2.2 :** Bacterial Symbionts as an Essential Component of the Olive Fly,
Bactrocera oleae (Rossi), Nutritional Ecology
By Michael Ben-Yosef

14:40-15:00 **OP 2.3 :** Remating Inhibition in *Anastrepha ludens* (Loew)
By Diana Pérez-Staples

15:00-15:30 BREAK

16:00-17:00 Poster Discussion : Session 1 and Session 2

Discussion Leaders: *Beatriz Sabater and A. Vergese*

17:00-17:45 General Discussion



Tuesday, 13 May 2014

Session 3: Morphology and Taxonomy

Coordinators: *Teresa Vera and Weerawan Amornsak*

- 08:30-09:00 **Keynote Speaker :** *Massimiliano Virgilio*
Led Zeppelin and the DNA Barcoding of Fruit Flies: “Stairway to heaven” or “Babe, I’m gonna leave you”? – A Pragmatic Approach Towards Workable Solutions.
- 09:00-09:20 **OP 3.1 :** Resolution of Key Pest Members of the *Bactrocera dorsalis* Species Complex
By Anthony Clarke
- 09:20-09:40 **OP 3.2 :** An Integrative Approach to Unravel the *Ceratitis* FAR Cryptic Species Complex
By Marc De Meyer
- 09:40-10:00 **OP 3.3 :** New Insights in the Definition of the *Anastrepha fraterculus* Cryptic Species Complex
By Teresa Vera and Janisete Silva
- 10:00-10:30 Group Photo and BREAK

Session 4: Genetics and Evolution

Coordinators: *Anna Malacrida and Sujinda Thanaphum*

- 10:30-11:00 **Keynote Speaker :** *Marc F. Schetelig*
Past, Present and Future of Strain Development
- 11:00-11:20 **OP 4.1:** From Transgenesis to Functional Genomics: Novel Tools for the Study of Reproduction in a Severe Pest, the Mediterranean Fruit Fly, *Ceratitis capitata*
By Francesca Scolari
- 11:20-11:40 **OP 4.2:** Population Structure of *Ceratitis rosa* Karsch in South Africa: Using Molecular and Morphological Markers to Estimate Gene Flow and Dispersal Ability
By Minette Karsten
- 11:40-12:00 **OP 4.3 :** Genetic Structure Analysis of Three Kinds of Fruit Fly of Economic Importance in China
By Qinge Ji
- 12:00-13:30 LUNCH

Session 5: Chemical Ecology and Attractants

Coordinators: *Nancy Epsky and Sirada Thimprasert*

- 13:30-14:00 **Keynote Speaker :** *Shanmugam Vijaysegaran*
Bait Manufactured from Beer Yeast Waste and Its Use for Fruit Fly Management
- 14:00-14:20 **OP 5.1 :** Recent Developments on Chemical Ecology
By Eric Jang
- 14:20-14:40 **OP 5.2 :** Responses of Dacini Fruit Flies to Novel Phenylpropanoids in Australia and Papua New Guinea
By Jane E. Royer

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14:40-15:00 **OP 5.3** : Effect of Methyl Eugenol Consumption by Male *Bactrocera umbrosa* Fabricius (Diptera: Tephritidae): Implications on Sexual Attraction, Maturation, and Mate Selection
By Suk-Ling Wee

15:00-15:30 BREAK

16:00-17:00 Poster Discussion: Session 3, Session 4 and Session 5
Discussion Leaders: *Yoav Gazit, Serge Quilici and Marc De Meyer*

17:00-17:45 General Discussion

18:00-21:00 Meeting of International Fruit Fly Steering Committee (open to SC members)

Wednesday, 14 May 2014

7:00-19:30 Technical tour

Thursday, 15 May 2014

Session 6: Control Methods and Supporting Technology
(e.g. Geographic Information System-GIS and Surveillance)

Coordinator: *Nikos Koulousis and Sirilux Noikeaing*

08:30-09:00 **Keynote Speaker :** *Aruna Manrakhan*
Use of Male Annihilation Technique for Control of Pest Species in the *Bactrocera* group on Mainland Africa

09:00-09:20 **OP 6.1:** Detection of *Bactrocera dorsalis* (Hendel) in Mauritius and Rapid Response
By Preeaduth Sookar

09:20-09:40 **OP 6.2:** Area Wide Management of *Ceratitidis capitata* in Fruit Trees in Israel - Successful Implementation and New Challenges
By Miriam Silberstein

09:40-10:00 **OP 6.3:** Integrated Pest Management of Fruit Flies on Rose Apple in Thailand
By Sunyanee Srikachar

10:00-10:30 BREAK

Session 7: Natural Enemies and Biological Control

Coordinators: *Pablo Montoya and Narit Thaochan*

10:30-11:00 **Keynote Speaker :** *John Sivinski*
Technical Competition and the Fate of Augmentative Biological Control

11:00-11:20 **OP 7.1:** Autodissemination and Pathogen Dynamics in *Bactrocera invadens* Drew, Tsuruta & White: Screening, Horizontal Transmission and Suppression in a Mango Agroecosystem
By Sunday Ekesi

11:20-11:40 **OP 7.2:** Towards a Rapid Identification Technique for Immature Parasitoids
By Olivia Reynolds

11:40-12:00 **OP 7.3:** Bane or Boon? The Effect of Weaver Ants on Mango Fruit Flies and their Parasitoids
By Valentina Migani

12:00-13:30 LUNCH



Session 8: SIT Principles and Applications

Coordinators: *Rui Pereira and Wanitch Limohpasmanee*

13:30-14:00 **Keynote Speaker:** *Daniel Hahn*

Management of Dormancy: A Review and Discussion of Importance for Biological Control Programs Including SIT

14:00-14:20 OP 8.1: New Mediterranean Fruit Fly Emergence and Release Facility at Tapachula, Chiapas, Mexico

By José Luis Zavala

14:20-14:40 OP 8.2: Micro-SIT : a Novel and Sustainable Control for *Ceratitis capitata* in Israel

By Gal Yaacobi

14:40-15:00 OP 8.3: Area-Wide Suppression of *Bactrocera* Fruit Flies in Dragon Fruit Orchards in Binh Thuan, Vietnam

By Thi Thanh Hien Nguyen

15:00-15:30 BREAK

16:00-17:00 Poster Discussion : Session 6, Session 7 and Session 8

Discussion Leaders: *Sunday Ekes, Olivia Reynolds and Abdeljelil Bakri*

17:00-17:45 General Discussion

19:00 FAREWELL DINNER

Friday, 16 May 2014

Session 9: Risk Assessment, Quarantine and Post-harvest

Coordinators: *Kenneth Bloem and Tasanee Pradyabumrung*

08:30-09:00 **Keynote Speaker:** *Stephanie Bloem*

Pest Risk Analysis for Economically Important Tephritidae: The Crossroads between Science, Plant Protection and Safe Trade

09:00-09:20 **OP 9.1:** Revised Quarantine Distances for Domestic and International Trading

B Bernie Dominiak

09:20-09:40 **OP 9.2:** International Standards for Phytosanitary Measures on Fruit Flies

By Rui Pereira

09:40-10:00 **OP 9.3:** Eradication of Tephritid Fruit Flies: Lessons from Gerda

By David M. Suckling

10:00-10:30 BREAK

Session 10: Additional Topics

10:30-10:50 **OP 10.1:** Socio-Economic Analyses of Area-Wide Management of Mango Fruit Fly in South India

By Abraham Vergheze

10:50-11:10 **OP 10.2 :** Economic Evaluation of the Moscamed Program in Guatemala and Its Impacts in Such Country, Mexico, The United States and Belize

By Diznarda Salcedo



11:10-11:30 **OP 10.3:** Beyond Compliance: Integrated Systems Approach for Pest Risk Management in South East Asia

By John D. Mumford

11:30-12:00 Poster Discussion : Session 9

Discussion Leader: Kenneth Bloem

12:00-12:30 General Discussion

12:30-13:00 CLOSING SESSION

13:00-15:00 LUNCH

15:00-15:30 Poster Removing