Sunday February 3:

Noon	***9:00 PM***	Registration and poster set up
4:00 PM	***6:00 PM***	**Pre-conference Bioinformatics Discussion Group (Attendance by invitation)**
7:00 PM	***9:00 PM***	**Welcome Reception**

Monday February 4:

7:30 AM	***5:00 PM***	Registration
7:00	***8:00 AM***	**Continental Breakfast**
8:00	***8:45 AM***	Welcome and Introductions
8:45	***9:45 AM***	**Opening Keynote Address** **Professor Josy Bové**
9:45	***10:00 AM***	**Break**
		Session 1: International and National Citrus Industries, Regulation, and Grower Experiences – *Charla Hollingsworth*, Moderator
10:00	***1.1***	**Preliminary Evaluation of the Single-Tree, Huanglongbing Find in California** Wang, J., Roose, M., Ramadugu, C., Lee, R., Manjunath, K., Lin, H., Chen, J., Shatters, R., **Polek, MaryLou**, LeVesque, C., Vidalakis, G.
10:15	***1.2***	**Response of Government and the Citrus Industry to the Discovery of Asian Citrus Psyllid in Arizona** **Glenn C. Wright**, and G. John Caravetta.
10:30	***1.3***	**First Detection of Huanglongbing and Implementation of its Mitigation Efforts in Texas** **Sétamou, Mamoudou**, da Graça J. V., Kunta, M.
10:45	***1.4***	**HLB in Argentina: a New Disease Outbreak** Outi, Y., Cortese, P. Santinoni, L., Palma, L., **Agostini, Juan Pedro,** Preusler, C., Gastaminza, G., Perez, G., Dominguez, E.
11:00-11:30	***1.5***	**After the science is finished, the work begins – Navigating the legal and regulatory processes for the deregulation of genetically-enhanced HLB-resistant citrus** **Michael Irey**, Ricke Kress, Vickie Forster, Erik Mirkov

		Contributed Posters
	1.6	**Huanglongbing Surveillance Program Actions in the State of Bahia, Brazil** **Silva, Suely X.B.,** Andrade, E.C., Nascimento, A.S., Barbosa, C.J., Girardi, E.A., Astúa, J.F., Laranjeira, F.F.
	1.7	**Incidence of Huanglongbing in commercial orchards in northwest Paraná, Brazil** Mulati, F., Nocchi, P.T.R., Zanutto, C.A., Belasque Jr., J., **Nunes, William M.C.**
	1.8	**The Citrus Sanitation Center of the Estación Experimental Agroindustrial "Obispo Colombres", Tucumán, Argentina** **Beatriz Stein**
		Session 2: **Detection and Diagnosis –*Mike Irey*, Moderator**
11:30	***2.1***	**Detection of Liberibacter asiaticus in a single infected Asian citrus psyllid adult or nymph: Impact of dilution with clean Asian citrus psyllids (Diaphorina citri) during extraction.** **Cynthia LeVesque**, Lucita Kumagai, Manjunath Keremane, Hong Lin, Madhurababu Kunta, John Morgan, David G. Hall and MaryLou Polek
11:45	***2.2***	**Single chain antibodies against '*Ca*. Liberibacter asiaticus'** Yuan, Q., Jordan, R., Brlansky, R.H., Minenkova, O., **Hartung, John S.**
12:00	***2.3***	**Portable Chemical Sensors for Monitoring Infection-Specific Volatiles in Asymptomatic Citrus** **Fink, Richard L.**, Aksenov, A.A., Thuesen, L.H., Pasamontes, A., Cheung, W.H.K., Peirano, D.J., and Davis, C.E.
12:15	***2.4***	**Repertoire of novel sequence signatures for the detection of *Candidatus* Liberibacter asiaticus by quantitative real time-PCR** Sunitha Kogenaru and **Nian Wang**
12:30	***1:30 PM***	***Lunch***
1:30	***2.5***	**Tree-side Molecular Testing for DNA from the HLB Bacterium *Candidatus* Liberibacter asiaticus** R. Bruce Cary, Hong Cai, Mark Nowakowski, Courtney Martin and **YongPing Duan**
1:45	***2.6***	**Relationship between Ct values, HLB symptoms and CLas titer** **Greg McCollum**, Mark Hilf, Mike Irey
2:00	***2.7***	**Visualization of '*Candidatus* Liberibacter asiaticus' Cells in Citrus Seed Coats with Fluorescence In Situ Hybridization and Transmission Electron Microscopy** **Mark E. Hilf**, K.R. Sims, S.Y. Folimonova, and D.S. Achor
		Contributed Posters
	2.8	**Guidelines for Selection of Tissues for Electron Microscopy Confirmation of *Candidatus* Liberibacter spp. in Huanglongbing-affected Citrus** **Diann Achor**, Craig L. Davis, Ronald H. Brlansky, and Svetlana Y. Folimonova

	2.9	**Comparison of optical sensing techniques for detecting citrus diseases.** Sindhuja Sankaran , **Reza Ehsani**
	2.10	**Advances in HLB Detection Using Agdia's Isothermal AmplifyRP™ Platform** **McOwen, Nathan**, Russell, P.F., and Bohannon, R.
	2.11	**Occurrence of *Diaphorina citri* Kuwayama in an unexpected ecosystem: the Lake Kissimmee State Park Forest, Florida** **Xavier Martini**, Thomas Addison, Barry Fleming, Ian Jackson, Lukasz L. Stelinski
	2.12	**Efficiency of different set of primers in PCR detection of *'Candidatus* Liberibacter asiaticus'** Meneguim, L., Naldi, A.L., Poças, C.D., **Leite Júnior, Rui P.**
	2.13	**Home Detection Kit for *Candidatus* Liberibacter asiaticus (LAS) Associated with Citrus Huanglongbing from Psyllids** **Manjunath L. Keremane**, Chandrika Ramadugu, Ryo Kubota, Yongping Duan, David Hall, Daniel Jenkins and Richard F. Lee
	2.14	**Effect of Temperature on Lighted Sticky Traps (TransTrap®) used to Detect Asian Citrus Psyllids in Shipping Containers** **David Bartels**, Jason Carlson, and Matt Ciomperlik
	2.15	**Effect of time and storage methods on the detection of *Candidatus* Liberibacter asiaticus in *Diaphorina citri* by qPCR*** Sala, I., Martins, E.C., Coletti, D.A.B., Montesino, L.H., **Bassanezi, Renato B.**, Wulff, N.A., Teixeira, D.C.
	2.16	***Candidatus* Liberibacter asisticus detection in the leaves, roots from infected trees and leaves of new shoots from the stumps of the infected sweet orange trees in Texas** **Madhurababu Kunta**, Carolina de La Garza, John V. da Graça, Mamoudou Sétamou, and Eliezer S. Louzada
	2.17	**Detection of *Candidatus* Liberibacter asiaticus in *Diaphorina citri* caught on yellow sticky traps during the winter and summer of Sao Paulo State Brazil*** Sala, I., Martins, E.C., Coletti, D.A.B., Montesino, L.H., **Bassanezi, Renato B.**, Wulff, N.A., Teixeira, D.C.
		***Session 3:* Epidemiology and Survey- *Renato Bassanezi,* Moderator**
2:15	***3.1***	**Optimising regional-scale regulatory surveys for the detection of Huanglongbing** **Parnell, Stephen,** Gottwald, T.R. and Cunniffe, N.J.
2:30	***3.2***	***Commercial risk-based survey for HLB and implications for efficacy of Citrus Health Management Areas (CHMAs)*** **Gottwald, Tim**, Luo, W., Riley, T. and Parnell, S.
2:45	***3.3***	**Predicting the establishment and spread of plant disease from regulatory sampling** **Weiqi Luo**, T.R. Gottwald, S. Pietravalle and M.S. Irey
3:00	***3:15***	***Break***

3:15	***3.4***	**HLB βioMαth: Sentinel network and research** Laranjeira, F.F., **Andrade, Eduardo C.**, Nascimento, A.S., Barbosa, C.J., Silva, S.X.B. Alencar, J.A., Noronha, A.C.S., Ishida, A.K.N., Garcia, M.V.B., Garcia, T.B., Nava, D., Bueno, B..
3:30	***3.5***	**A new method for spatial analysis of irregularly spaced HLB data and biological implications** **Alissa B. Kriss**, Michael S. Irey, and Tim R. Gottwald
3:45	***3.6***	***Risk-based residential HLB/ACP* survey for California, Texas and Arizona** **Gottwald, Tim**, Luo, W., and McRoberts, N.
4:00	***3.7***	**Edge Effects and Huanglongbing** W. Luo, D.J. Anco, **Tim R. Gottwald** and M.S. Irey
4:15	***3.8***	**Variability of direction of tree-to-tree spread of HLB over time** **Alissa B. Kriss**, Silvio Lopes, and Tim R. Gottwald
		Contributed Posters
	3.9	**Early detection surveillance for Huanglongbing in a plantation; from theory to practice.** **Parnell, S**tephen, Gottwald, T.R., Cunniffe, N.J. and van den Bosch, F.
		***Session 4*: Asian Citrus Psyllid Biology and Genomics- *David Hall*, Moderator**
4:30	***4.1***	**Behavioral, Ultrastructural, and Chemical Studies on the 'Honeydew' Excretions in Nymphs and Adults of the Asian Citrus Psyllid** **Ammar, El-Desouky,** Alessandro, R., Shatters, R.G., Hall, D.G.
4:45	***4.2***	**Sequencing and annotation of the Wolbachia endosymbiont of Diaphorina citri by the CG-HLB Genome Resources group reveals candidate sources of interaction with the insect host** Surya Saha, Wayne Hunter, and **Magdalen Lindeberg**
5:00	***4.3***	**Sexual transmission of a plant pathogenic bacterium, *Candidatus* Liberibacter asiaticus, between conspecific insect vectors during mating** **Kirsten S. Pelz-Stelinski,** Rajinder S. Mann, Sara L. Hermann, Siddharth Tiwari, Lukasz L. Stelinski
5:15	***4.4***	**Responses of Asian Citrus Psyllids to Substrate-borne Vibrational Communication Signals** **Mankin, Richard W.,** Rohde, B., Heatherington E.
		Contributed Posters
	4.5	**An evaluation of different plant species for rearing Asian citrus psyllid, *Diaphorina citri* Kuwayama (Hemiptera: Psyllidae)** **David G. Hall and Joseph P. Albano**
	4.6	**Dispersal behavior of *Diaphorina citri* Kuwayama (Homotera: Psyllidae) under laboratory condition** Chuanqing Ruan, **Bo Liu**, Zhenquan Wu, Tao Li, Hanqing Hu, Guocheng Fan, Yongping Duan and David G. Hall

	4.7	**The Asian Citrus Psyllid Genome (*Diaphorina citri*, Hemiptera)** ***Wayne B. Hunter,*** *Justin Reese*
	4.8	**Molecular interaction between citrus bacterial pathogen *Liberbacter asiaticus* and its insect vector Asian citrus psyllid *Diaphorina citri*** **Linling Wang and Nabil Killiny**
5:30	***7:00PM***	***Posters Session 1, 2, 3 and 4***
7:00	***8:30PM***	***Dinner***

Tuesday February 5:

7:30 AM	***5:00 PM***	Registration
7:00	***8:00 AM***	**Continental Breakfast**
		***Session 5:* Asian Citrus Psyllid Ecology and Transmission – *Kirsten Pelz-Stelinski,* Moderator**
8:00	***5.1***	**A Comparative Transcriptomic Approach to Elucidate Psyllid-*Ca*. Liberibacter Interactions** **Tonja Fisher**, R. He, W. Nelson, M. Vyas, M. Willer, C. Soderlund, D. Gang, and J.K. Brown
8:15	***5.2***	**Induced release of a plant-defense volatile 'deceptively' attracts insect vectors to plants infected with a bacterial pathogen** **Lukasz L. Stelinski**, Rajinder S. Mann, Jared G. Ali, Sara L. Hermann, Siddharth Tiwari, Kirsten S. Pelz-Stelinski, Hans T. Alborn
8:30	***5.3***	**Disrupt the bacterial growth in the insect vector to block the transmission of Candidatus Liberibacter Asiaticus to citrus, the causal agent of citrus greening disease** **Killiny, Nabil,** Hajeri, S., Gowda, S., and Davis, M. J.
8:45	***5.4***	**Stylet penetration activities of *Diaphorina citri* associated with transmission of *Candidatus* Liberibacter asiaticus** Ferreira, C., Okuma, D.M., **Lopes, Jaoa R.S.**
9:00	***5.5***	**Characterization of the RNA Interference Response in the Asian Citrus Psyllid** **Lindsay Shaffer**, R. G. Shatters, Jr., C. Powell, R. Cave, D. Borovsky
9:15	***5.6***	**Translating Anatomical Structures and Functional Genomics of *Candidatus* Liberibacter asiaticus and solanacearum Into Circulative, Propagative Vector-Mediated Transmission Processes** **Tonja Fisher**, J. Cicero, M. Vyas, R. He, W. Nelson, M. Willer, C. Soderlund, D. Gang, and J.K. Brown
9:30	***5.7***	**Low acquisition rates of '*Candidatus* Liberibacter asiaticus' by *Diaphorina citri* Kuwayama from citrus plants exposed to high temperatures** **Lopes, Silvio A.,** Luiz, F.Q.B.Q., Martins, E.C.; Fassini, C.G., Sousa, M.C., Barbosa, J.C., Beattie, G.A.C.
		Contributed Posters
	5.8	**SEM- and TEM-informed anatomical observations of Ca. Liberibacter solanacearum (Lso) parasite localization in its**

		psyllid host **Joseph M. Cicero** and J.K. Brown
	5.9	**Seasonal shifts in *Candidatus* Liberibacter asiaticus prevalence in the vector *Diaphorina citri* in Florida** **Timothy A. Ebert**, Ronald H. Brlansky, Michael E. Rogers
	5.10	**Stylet Morphometrics and Ultrastructure in Relation to Feeding Behavior and Pathogen Transmission by Nymphs and Adults of the Asian Citrus Psyllid *Diaphorina citr*i, Vector of Citrus Huanglongbing Bacterium** **Ammar, El-Desouky**, Shatters, R.G., Hall, D.G.
	5.11	**Acquisition and Transmission Efficiency of the HLB Bacterium, '*Candidatus* Liberibacter asiaticus' by the Striped Mealybug, *Ferrisia virgata*** **Marco Pitino**, Michele T. Hoffman, Lijuan Zhou, David Hall and Yong-Ping Duan
	5.12	**RNA Interference Screening Reveals Redox Processes to be Most Responsive to low dsRNA doses in Asian Citrus Psyllid** **Ramos, John**
	5.13	**Composition of citrus phloem sap and honeydew produced by the citrus phloem sap feeder, the Asian citrus psyllid, *Diaphorina citri* (Homopetera: Psyllidae)** **Faraj Hijaz,** Nabil Killiny
		***Session 6:* Asian Citrus Psyllid Management - *Mamoudou Sètamou*, Moderator**
9:45	***6.1***	**Huanglongbing management on bearing groves based on favorable periods for symptomatic-trees removal and vector control** **Bassanezi, Renato B.**, Montesino, L.H., Bergamin Filho, A.
10:00	***6.2***	**Analysis of Methods/Systems for Delivery of Volatile Repellent Compounds to Protect Young Citrus Plantings from HLB** **Neuman, Ronald D**., Shelton, A.B., Zee R.H.,
10:15	***10:30***	***Break***
10:30	***6.3***	**RNAi-Based Strategy for Asian Citrus Psyllid (*Diaphorina citri*) Control: A Method to Reduce the Spread of Citrus Greening Disease.** **Chloe Hawkings**, K. Morgan, L. Shaffer; C. Powell; D. Borovsky; R. Cave; B. Dawson, S. Gowda, R. G. Shatters, Jr.
10:45	***6.4***	**Physiological selectivity of pesticides used in citrus culture on parasitoid *Tamarixia radiata* (Waterson, 1922) (Hymenoptera: Eulophidae)** **Aline C. S. Lira**, Odimar Z. Zanardi, Vitor H. Beloti, Pedro T. Yamamoto, José R. P. Parra, Geraldo A. Carvalho
11:00	***6.5***	**Synthesis results from eight years of field testing insecticides against Asian citrus psyllid *Diaphorina citri* vector of huanglongbing: Considerations and Implications** **Jawwad A. Qureshi,** Barry C. Kostyk and Philip A. Stansly

11:15	***6.6***	**Asian Citrus Psyllid Management Strategies for California, 2012 and Beyond** **Grafton-Cardwell, Elizabeth E.,** Morse J. G., Taylor, B.J.
11:30	***6.7***	**Extension Model to Improve Asian Ctrus Psyllid Control in Citrus Health Management Areas (CHMAs)** **Moneen M. Jones** and Philip A. Stansly
11:45	***6.8***	**Effect of Mineral Oil on Host Selection and Control of *Diaphorina citri* Kuwayama (Hemiptera: Psillidae) on Citrus** **Miranda, Marcelo P.,** Micelli, M.L., Felippe, M.R., Caldeira, R.E., Yamamoto, P.T.
12:00	***1:00***	***Lunch***
1:00	***6.9***	**Morphological characterization of *Hirsutella citriformis* Speare Mexican isolates and evaluation against *Diaphorina citri* Kuwayama (Hemiptera: Psyllidae)** Pérez-González, O., Maldonado-Blanco, M.G., Torres-Acosta, R.I., Rodríguez-Guerra, R., Elías-Santos, M., Sandoval-Coronado, C.F., **López-Arroyo, J. Isabel**
1:15	***6.10***	**Evaluating the Biological Control of ACP in the Rio Grande Valley of Texas** **Daniel Flores**, Andrew Parker, Jose Martinez, Eustorjio Rivas, and Matt Ciomperlik
1:30	***6.11***	**A grower question: So we are controlling the Asian Citrus Psyllid, but are we doing it well enough?** **Irey, Mike**, Gast, T., and Hou, H.
1:45	***6.12***	**The Flicker: A Vehicle-Driven, Mechanical Device for Detecting and Monitoring Adult Asian Citrus Psyllid and Other Arthropods in Citrus** **David G. Hall** and Holly Chamberlain
		Contributed Posters
	6.13	**Generating Asian citrus Psyllid *Diaphorina citri* Kuwayama (Homoptera: Psyllidae) with twisting wings to prevent the spread of citrus greening disease** **El-Shesheny, Ibrahim**; Harjeri, S.; Gowda, S.; and Killiny, N.
	6.14	**Novel synthetic compounds enhance the attractiveness of host-plant volatiles: An opportunity to boost detection and monitoring of Asian citrus psyllid?** **Patt, Joseph**, Woods, D., Dimitratos, S., Meikle, W., Stockton, D., S. Lapointe, Mafra-Neto, A.
	6.15	**Effects of *Tagetes coronopifolia* and *T. lemmonii* (Asteraceae) essential oils in nymphs of *Diaphorina citri* (Hemiptera: Psyllidae).** Mendoza-García, E.E., **Ortega-Arenas, Laura D.**, Serrato-Cruz, M.A., Villanueva-Jiménez, J.A., López-Arroyo, J.I., Pérez-Pacheco, R.
	6.16	**Thresholds for HLB vector control in infected commercial citrus and compatibility with biological control.** **Monzo, Cesar,** Hendricks, K., Roberts, P., Stansly, P.A.

6.17 **Affordable Essential Oils for Management of the Asian Citrus Psyllid**
Emily H. Kuhns, Yolani Tribuiani, Angel Hoyte, Lukasz L. Stelinski

6.18 **Strategy of HLB management with insecticides in citrus groves in São Paulo, Brazil.**
Baldassari, R.B., **Lozano,Francisco**, Rinaldo, D., Gobato, C.A.G., Costa, D.F.

6.19 ***Brachygastra mellifica*** **(Hymenoptera: Vespidae): Predation preference and feeding behavior on *Diaphorina citri* (Hemiptera: Psyllidae) in Mexico.**
Reyes-Rosas, M.A., Loera-Gallardo, J., **López-Arroyo, J. Isabel**, Buck, M.

6.20 **Frequent Low Volume Sprays of Horticultural Mineral Oil (HMO) for Psyllid and Leafminer Control**
Moneen M. Jones and Philip A. Stansly

6.21 **Longevity of imidacloprid soil drench on citrus nursery stock for sale at retail stores in Florida**
Halbert, Susan E., Manjunath, K.L., Ramadugu, C., and Lee, R.L.

6.22 **Asian Citrus Psyllid and Huanglongbing Management in California: How Psyllid Spread Will Affect Grower Costs**
Jetter, K.M., **Grafton-Cardwell, Elizabeth E.**, Daugherty, M.P., Lynn-Patterson, K.

6.23 **Recommended pesticides persistence for integrated citrus production on ectoparasitoid *Tamarixia radiata* (Waterston, 1922) (Hymenoptera: Eulophidae)**
Vitor H. Beloti; Odimar Z. Zanardi; Aline C. S. Lira; Gabriel R. Rugno; José R. P. Parra; Pedro T. Yamamoto

6.24 **Introducing DuPont Exirel™ and Verimark™ new insect control products for pest management and optimizing yield in Florida citrus**
Hector E. Portillo, Stanley S. Royal, James E. Taylor, Joshua H. Temple, Alex T. Truszkowski, Joseph T. Mares, Rachel A. Cameron, I. Billy Annan and Juan M. Alvarez

6.25 **Perspectives to the use of entomopathogenic fungi for biological control of *Diaphorina citri* in Mexico**
Sánchez-Peña, Sergio R., Guizar-Guzmán L., Torres-Acosta, R. I., López-Arroyo, J. I., Casique-Valdés, R.

6.26 **Identification and entomopathogenicity of newly-isolated fungi infecting *Diaphorina citri* Kuwayama (Homotera: Psyllidae) in Murraya orchards of Fujian, China**
Chuanqing Ruan, Yulu Xia, Bo Liu, Jianli Chen, Yujing Zhu, Guocheng Fan, Ron Sequeira

6.27 ***Targeting juvenile hormone metabolic genes in the Asian citrus psyllid (Diaphorina citri Kuwayama) as a strategy to reduce the spread of citrus greening disease***
Evelien Van Ekert, D. Borovsky, C. A. Powell, R. D. Cave, R. T.

		Alessandro, R. G. Shatters, Jr.
	6.28	**Entomophagous insects associated to *Diaphorina citri* (Hemiptera: Psyllidae) in citrus orchards with different weed management systems in Papantla, Veracruz, Mexico** **Ortega-Arenas Laura D**., López-López R., Lomelí-Flores J. R., Cedillo-Portugal E., Gómez-Tovar L., Salazar-Cruz J., Villegas-Monter A.
	6.29	**Soil applied Systemic Insecticides for the reduction of HLB in newly planted Citrus Trees** **Phil Stansly,** Barry Kostyk, and Hector Portillo
		***Session 7:* HLB Management, Fruit Quality, Crop Loss, and Economics – *Elizabeth Baldwin*, Moderator**
2:00	***7.1***	**Progress on Dissecting and Controlling the Citrus Huanglongbing Complex** **Yongping Duan**,_ Lijuan Zhou, Muqing Zhang, Lesley Benyon, Cheryl Armstrong-Vahling, Michele Hoffman, Guixia Hao, Huasong Zou, Melissa Doud, Fang Ding and Kent Morgan
2:15	***7.2***	***Citrus tristeza virus*-based RNA-interference (RNAi) vector and its potential in combating citrus Huanglongbing (HLB)** Shubash Hajeri, Choaa El-Mohtar, William O. Dawson and **Siddarame Gowda**
2:30	***7.3***	**Pre-symptomatic fibrous root decline in citrus trees caused by Huanglongbing and potential synergistic interaction with *Phytophthora* spp.** **Graham, James H.**, Gottwald, T.R., Irey, M.
2:45	***7.4***	**Vector Control and Foliar Nutrition for Management of Huanglongbing in Florida Citrus.** **Philip A. Stansly**, H. Alejandro Arevalo, Jawwad A. Qureshi, Moneen M. Jones, Katherine Hendricks, Pamela D. Roberts, And Fritz M. Roka
3:00	***3:15***	***Break***
3:15	***7.5***	**Evaluation of enhanced nutritional programs for mitigating HLB damage** **Johnson, Evan G.**, Irey, M.S., Gast, T., Bright, D.B., Graham, J.H.
3:30	***7.6***	**Nutritional management, HLB epidemics and crop loss: Two years results** **Bassanezi, Renato B.**, Montesino, L.H., Mattos Jr., D., Quaggio, J.A., Boaretto, R.M., Bové, J.M.
3:45	***7.7***	**Antimicrobial Compounds to Combat Citrus Huanglongbing** **Muqing ZHANG**, Ying GUO, Charles A. Powell and Yongping DUAN
4:00	***7.8***	**Progress towards the development of a routine process to discriminate juice originating from HLB-free and HLB-infected trees using sensory and analytical analyses** **Michael Irey**, Doug Van Stripj, Denise Freund, Hangxin Hou, Ping Sun, Paula Gadea, Liz Baldwin, Anne Plotto, and Jinhe Bai
4:15	***7.9***	**Further Studies on the Effects of Greening on Juice Quality: Do**

Nutritional Sprays Ameliorate HLB-Induced Off-flavor?
Anne Plotto, Sharon Dea, Jinhe Bai, John Manthey, Cecilia N. Nunes, Jan Narciso, Mike Irey, Liz Baldwin

4:30 ***7.10*** **Limited success of heat treatments for curing HLB affected trees**
Lopes, Silvio A., Luiz, F.Q.B.F, Fassini, C.G., Oliveira, H.T., Oliveira, S.L.A.

4:45 ***7.11*** **The Chemistry behind DNA Isolation from Orange Juice and Detection of 16S rDNA of *Candidatus* Liberibacter asiaticus by qPCR**
Bai, Jinhe, Baldwin, E.A., Liao, H., Kostenyuk, I., Burns, J. and Irey, M.

Contributed Posters

7.12 **Estimating the Economic Impact of an Eventual Introduction of Huanglongbing (HLB) in the State of Bahia, Brazil.**
Oliveira, J.M.C., **Silva, Suely X.B**., Nascimento, A.S., Miranda, S. H.G., Barbosa, C.J., Laranjeira, F.F.

7.13 **The effect of nutritional spray programs applied to mitigate symptoms of Huanglongbing on fruit drop caused by HLB and citrus canker and on 'Hamlin' orange trees**
Pam D. Roberts, R. E. Rouse, S.S. Teems, R.E. Sytsma, Z. Shobert

7.14 **Metalized Polyethylene Mulch to Reduce Incidence of Huanglongbing and Improve Growth of New Citrus Plantings**
Croxton S. and **Stansly Phil**.

7.15 **Field validation of a greenhouse demonstration of phytohormone-mediated restoration of naturally infected HLB citrus in Florida, Texas and Jamaica**
Woodward, Richard, J. H. Stoller, **Albert Liptay** and V. Alvarado.

7.16 **Preliminary Research on Soil Conditioner Mediated Citrus** Huanglongbing Mitigation in the Field
Mei-Rong Xu, Mei-Dang Liang, Zheng Zheng, Qing Zhu, Jian-Chi Chen, Xiao-Ling Deng

7.17 **Relations between behavior of HLB and Iron application to Citrus tree**
Matsuyama Tomoya, Muraki S., Subandiyah S., Joko T., Ono H., Masaoka, Y.

7.18 **Evaluation of antibiotics against the bacteria, *Candidatus* Liberibacter for control of citrus Huanglongbing**
Zhang, Muqing, Guo, Y., Powell, C.A. and Duan, Y.

7.19 **Systemic Acquire Resistance - SAR in the Control of Huanglongbing**
Bagio, T.Z., Barreto, T., Canteri, M.G., **Leite Jr, Rui P**.

7.20 **Effect of beneficial bacterial isolates from citrus roots in Florida on citrus Huanglongbing disease development (poster)**
Li J., Trivedi P., and **Wang Nian**

7.21 **In-Field Thermal Treatment of Huanglongbing (HLB) infected Trees**
Khot, L.R., Jones, S.E., Trivedi, P. Ehsani, M.R., Wang, N. and

		Reyes-De-Corcuera, Jose I.
	7.22	**Thermotherapy and chemotherapy to control citrus HLB in the field** **Melissa Doud**, Mu-Qing Zhang, Charles A. Powell and Yong-Ping Duan
	7.23	**Evaluation of Thermotherapy against Huanglongbing (Citrus Greening)under Laboratory Condition** **Guocheng Fan**, Yulu Xia, Xiongjie Lin, Zijian Cai, Hanqing Hu, Xianda Wang, Chuanqing Ruan, Lianming Lu, Ronald Sequeira, Bo Liu
	7.24	**Thermotherapy for HLB Management - Historical perspective, anecdotal evidences, and recent research progress** **Xia, Yulu**, Fan, G., Deng, X., Takeuchi, Y., Sequeira, R.
	7.25	**Study of Thermotherapy against Citrus Huanglongbing in Fujian Province, China** **Guocheng Fan**, Bo Liu, XiongjieLin, Zijian Cai, Hanqing Hu, Xianda Wang, Chuanqing Ruan, LianmingLu, Ronald Sequeira, Yulu Xia
	7.26	**Effect of Enhanced Zinc Nutrition on Mitigation of Huanglongbing (HLB)-affected Citrus** Li, S.L., Li, Z.G., **He, Zhenli L.** University of Florida, IFAS, Indian River REC, Fort Pierce, USA
5:00	***7:00PM***	***Posters Sessions 5,6, and 7***
7:00	***8:30PM***	***Dinner***

Wednesday February 6:

7:30 AM	***5:00 PM***	Registration
7:00	***8:00 AM***	**Continental Breakfast**
8:00	***5:00 PM***	Field Trip – Tour registrants to visit HLB infected grapefruit groves and citrus packinghouses (***Lunch provided to participants***)
		Dinner– On your own

Thursday February 7:

7:30 AM	***5:00 PM***	Registration
7:00	***8:00 AM***	**Continental Breakfast**
		Session 8: **Host-Pathogen Interactions - *Sveta Folimonova*, Moderator**
8:00	***8.1***	**Analyses of proteomic expression profiles and nutrient status of citrus plants in response to HLB** **Lin, Hong**, Nwugo, C.C., Duan, Y.
8:15	***8.2***	**Transcriptome analysis of Huanglongbing-infected sweet orange leaves using RNA sequencing and quantitative PCR.** Cynthia C. Parra, **Madhurababu Kunta**, John V. da Graça, and Eliezer S. Louzada
8:30	***8.3***	**Comparison of microRNA Profiles and Some miRNA Target Gene Expression levels in Roots of Tangerine (*Citrus reticulata blanco* cv.'Sanhu') Trees infected with and without Hunaglongbing**

		Bacteria Yun Zhong, Chunzhen Cheng, Bo Wu, Xuejun Bei, Bo Jiang, Jiwu Zeng, **Guangyan Zhong**
8:45	***8.4***	**Citrus leaf volatiles response to *Candidatus Liberibacter* asiaticus and to its insect vector Asian citrus psyllids.** **Faraj Hijaz** and Nabil Killiny
9:00	***8.5***	**Development of Symptom Expression and Presence of *Candidatus* Liberibacter asiaticus in Recently Infected, Mature Orange Trees** Gast, T.C., **Russo April A.**
9:15	***8.6***	**Phloem disruption from HLB infection in canopy and root framework** **L. Gene Albrigo,** Valente Aritua, Nian Wang and Diann Achor
9:30	***8.7***	**Candidatus Liberibacter asiaticus titers in citrus cultivars in the field and in ACP inoculated greenhouse trees** **Greg McCollum**, Mark Hilf, Ed Stover, Mike Irey
9:45	***8.8***	**Modulation of plant defense responses by Salicylate hydroxylase of *Candidatus* Liberibacter asiaticus** Pankaj Trivedi, **Nian Wang**
10:00	***10:15***	***Break***
10:15	***8.9***	**Early root infection and damage in Huanglongbing disease development** **Johnson, Evan G.**, Wu, J., Bright, D.B., Graham, J.H.
10:30	***8.10***	**Colonization and distribution patterns of *Candidatus* Liberibacter asiaticus in distinct citrus rootstocks** **Lopes, Silvio A.**, Luiz, F.Q.B.F, Stuchi, E.S.
10:45	***8.11***	**Spatial Imaging of Zinc and Other Elements in Huanglongbing-affected Grapefruit by Microscopically Focused Synchrotron X-Ray Investigation** **He, Zhenli L**.1, Tian, S.K.1, Lu, L.L.2, Zhang, M.Q. 1, Powell, C.A.1 University of
		Contributed Posters
	8.12	**Genome-wide Expression Profiling in Ponkan Infected by *Candidatus* liberibacter asiaticus** **Bo Jiang**, Yun Zhong, Chunzhen Cheng, Jiwu Zeng, Guangyan Zhong, Ganjun Yi .
	8.13	**Synthetic Peptides target ATP translocase of '*Candidatus* Liberibacter asiaticus' to block ATP uptake** **Lesley S. Benyon**, C.M. Vahling-Armstrong, E. Stover, Y.P. Duan.
	8.14	**Characterization of the microbial community structure in '*Candidatus* Liberibacter asiaticus'-infected citrus plants treated with antibiotics** **Muqing Zhang**, Charles A. Powell, Yu Chuan and Yongping Duan
	8.15	**Monitoring of *Candidatus* Liberibacter asiaticus in Citrus Seedlings at Greenhouse Conditions and Commercial Orchards of Sweet Orange and Tahiti Lime in the Northwest of Parana State, Brazil**

		Sauer, A.V., Barbieri, B.R., Coletta-Filho, H.D., Machado, M.A., Corazza, M.J., **Nunes, William M.C.**
	8.16	**Nutritional Analysis of Flowers from 'Valencia' Orange Tree Infected with Huanglongbing.** Saccini, V. A. V., Dos Santos, D. M. M., **Medina, Camilo L**., Machado, R. S. Cruz, F. J. R.
	8.17	**Transmission of Candidatus Liberibacter asiaticus to 16 citrus cultivars by Asian citrus psyllids in a greenhouse study** **Greg McCollum**, Mark Hilf, Mike Irey
	8.18	**Colonization of Seeds of Citrus Rootstock Varieties by '*Ca*. Liberibacter asiaticus'** **Mark E. Hilf**
	8.19	**Seasonal Concentration of Macro and Micronutrients in Different Vegetative Organs of Valencia Oranges Tree Affected By HLB** **Medina, Camilo L**., Saccini, V.A.V., Dos Santos, D.M.M., Machado, R.S., Bataglia, O.C., Furlani, P.R.
	8.20	**Nutrient concentration in sap extracts of HLB-infected trees** **Mattos Jr., D**., Bassanezi, R.B., Della Coletta Filho, H., Quaggio, J.A., Alvarenga, F.V., Boaretto, R.M.
		Session 9: Pathogen Genomics, Bioinformatics, Phylogenetics, and Culturing- _Yong Ping Duan,_ Moderator
11:00	***9.1***	**Comparative genomics analysis of *Liberibacter* species to elucidate pathogenesis and culturability.** Michael T. Leonard, Jennie R. Fagen, Connor M. McCullough, Austin G. Davis-Richardson, Michael J. Davis, and **Eric W. Triplett**
11:15	***9.2***	**The complete genome sequence of *Candidatus* Liberibacter americanus, a bacterium associated with Citrus Huanglongbing in Brazil**. **Nelson A. Wulff**, Shujian Zhang, Elaine Martins, João Setubal, Dibyendu Kumar, Xavier Foissac, Nalvo F. Almeida, Ricardo Harakava, Joseph M. Bové, Dean Gabriel
11:30	***9.3***	**Clues into the metagenome of Huanglongbing infected *Citrus* by analysis of ancillary sequences from Ion Torrent whole genome *Candidatus* Liberibacter asiaticus sequencing.** **Morgan, J. Kent**, Shatters, R. G., Stover, E., Duan, Y. P., Moore, G. A., Powell, C. A., Jarra-Cavieres, A., Clark, S.
11.45	***9.4***	**The Dynamics of Prophages/Phages FP1 and FP2 of '*Candidatus* Liberibacter asiaticus' in Response to Stress Conditions** Fang Ding, Shouan Zhang and **Yong-ping Duan**
12:00	***1:00***	***Lunch***
1:00	***9.5***	**Exploiting the Las and Lam phage for potential control of HLB** **Zhang, Shujian J.,** Wulff, N. A., Fleites, L. A., Zhang, Y. C., Gabriel, D.W.
1:15	***9.6***	**Characterization of putative virulent factors of *Candidatus* Liberibacter asiaticus** Xiaobao Ying and **Nian Wang**

1:30	*9.7*	**Differentiation of "*Candidatus* Liberibacter asiaticus" isolates from Brazil, China, and the United States** X. Deng, **Jianchi Chen**, S. Lopes, and X. Wang
1:45	*9.8*	**'*Candidatus* Liberibacter asiaticus' Encodes Two Novel Autotransporters that Target to Mitochondria** **Guixia Hao**, Michael Boyle, Lijuan Zhou and Yongping Duan
		Contributed Posters
	9.9	**Prophage-mediated population dynamics of '*Candidatus* Liberibacter asiaticus' in plant and insect hosts** **Lijuan Zhou**, Charles A. Powell and Yongping Duan
	9.10	**Improved methods for genome sequencing of Liberibacters by BAC library-based metagenomics approach** Manjunath L. Keremane, Chandrika Ramadugu, Yongping Duan, Lijuan Zhou, Greg Kund, John Trumble and **Richard Lee**.
	9.11	**Identification of small molecule inhibitors against SecA of *Candidatus* Liberibacter asiaticus by structure based design** Nagaraju Akula, Pankaj Trivedi, Frank Q. Han and **Nian Wang**
	9.12	**Detection of 16Sr IX phytoplasma (HLB phytoplasma) in Sunn Hemp (*Crotalaria juncea*) in São Paulo State, Brazil*.** Bianco, L.F., Martins, E.C., Coletti, D.A.B., Toloy, R.S., **Wulff, Nelson A**.
	9.13	**First Report of 'Candidatus Liberibacter asiaticus' associated with huanglongbing in the weeds *Cleome rutidosperma*, *Pisonia aculeata* and *Trichostigma octandrum* in Jamaica** **Sherline E. Brown**, A.P Oberheim, A. Barrett and W.A. McLaughlin
	9.14	**'*Candidatus* Liberibacter' in four indigenous Rutaceous species from South Africa** **Viljoen, Ronel,** Steenkamp, E.T., Pietersen, G.
	9.15	**Increases in '*Candidatus* Liberibacter asiaticus' viability and investigations of biofilm-like structures in citrus juice medium** **Parker, Jennifer K.**, Wisotsky, S.R., Hilf, M.E., Sims, K.R., Cobine, P.A., De La Fuente, L.
	9.16	**"Whole Genome PCR Sequencing Strategy for '*Candidatus*' Liberibacter asiaticus: Analyzing Sequence Diversity Among U.S. Isolates.** **Shatters, Jr. Robert G.**, Morgan, J.K., Jara-Cavieres, A., Stover E., Powell, C.A., Duan, Y.-P. and Moore G.
		***Session 10:* Host Tolerance and Resistance, *Erik Mirkov,* Moderator**
2:00	*10.1*	**Huanglongbing Resistance and Tolerance in Citrus** **Stover, Ed**, McCollum, G., Driggers, R., Duan, Y., Shatters, Jr. R., Ritenour, M., Hall, D.G., Chaparro, J.
2:15	*10.2*	**Preliminary Evidence for Rootstock Effects on HLB Infection Frequency and Disease Severity in Sweet Orange and 'SugarBelle' Trees** **Grosser, Jude W**., S. Das, and F.G. Gmitter, Jr.

2:30	***10.3***	**Screening of Transgenic Citrus for HLB Resistance** **Dutt, M**anjul, Omar, A., Barthe, G.A., Orbovic, V., Irey M. and Grosser, J.W.
2:45	***10.4***	**HLB progress on Tahiti acid lime grafted onto eight rootstocks** **Stuchi,Eduardo S.,** Reiff,E.T, Sempionato,O.R., Parolin,L.G., Bassanezi,R.B.
3:00	***3:15***	***Break***
3:15	***10.5***	**Resistance of *Poncirus* and *Citrus* x *Poncirus* Germplasm to the Asian Citrus Psyllid** **Matthew L. Richardson** and David G. Hall
3:30	***10.6***	**Screening of citrus and its close relatives for tolerance to huanglongbing** **Chandrika Ramadugu**, M. Keremane, E. Stover, S. Halbert, Y.P. Duan and R.F. Lee
3:45	***10.7***	***Candidatus* Liberibacter americanus induces significant reprogramming of the transcriptome of the susceptible citrus genotype** Mafra, V., Martins, P.K., Franscisco, C.S., Ribeiro-Alves, M., **Freitas-Astúa, Juliana**, Machado, M. A.
4:00	***10.8***	**Identification of differentially expressed genes in *Citrus sinensis* leaves and branches in response to *Candidatus* Liberibacter asiaticus and *Ca.* L. americanus.** Breton, M.C., Camargo, S.S., Kishi, L. T., Machado, M. A., **Freitas-Astúa, Juliana**
4:15	***10.9***	**A quick evaluation method of AtNPR1 transgenic plants for resistance to HLB** **Vicente J. Febres**, Fabiana Rezende-Muniz and Gloria A. Moore
4:30	***10.10***	**Lflg22, a Pathogen-Associated Molecular Pattern (PAMP) of *Candidatus* Liberibacter asiaticus, initiated differential PAMP-Triggered Immunity (PTI) in Grapefruit and Sun Chu Sha** **Qingchun Shi**, Vicente J. Febres, Abeer Khalaf, Gloria A. Moore
4:45	***10.11***	**Genetic transformation of sweet orange to overexpress a *CsPR-8* gene aiming *Candidatus* Liberibacter asiaticus resistance** **Mourão Filho, Francisco A.A.**, Stipp, L.C.L., Beltrame, A.B., Boscariol-Camargo, R.L., Harakava, R., Mendes, B.M.J.
5:00	***10.12***	**Analysis and evaluation of China-native citrus and citrus related germplasm on their susceptibility to the infestation by *Diaphorina citri* Kuwayama (Homotera: Psyllidae)** Hanqing Hu, Chuanqing Ruan, Bo Liu, **Zhenquan Wu**, Tao Li, Guocheng Fan, Yongping Duan, David G. Hall
		Contributed Posters
	10.13	**Results on attempts in management of HLB under small scale in Vietnam and initiation in screening for HLB tolerant from varieties/clones belonging to Rutaceae** **Nguyen Van Hoa**, Tran T. M. H., Nguyen T. B., Bui T. N. L., Nguyen M. C.
	10.14	**Mandarin and mandarin hybrid genetic transformation for**

		resistance to *Candidatus* Liberibacter asiaticus **Soriano, Leonardo**, Tavano, E.C.R., Harakava, R., Mourão Filho, F.A.A., Mendes, B.M.J.
	10.15	**Cell Penetrating Peptides as an Alternative Transformation Method in Citrus** **Jensen, Shaun P**; Febres, Vicente J; and Moore, Gloria A
	10.16	**Breaking citrus juvenility by modulating endogenous miR156 and miR172 levels** Jiang, Y**.**, **Gabriel, Dean W**.
	10.17	**One-for-all: a monoclonal antibody specific to different recombinant proteins in transgenic citrus plants** **Omar, Ahmad A.,** Dutt, M. and Grosser, J.W.
	10.18	**Evidence that 'flying dragon' trifoliate orange delays HLB symptom expression for four sweet orange cultivars, Tahiti lime and Okitsu mandarin** **Stuchi,Euardo S.,** Reiff,E.T., Sempionato,O.R., Parolin,L.G., Toledo, D.A.
	10.19	**A Tomato Detached Leaf Assay for Chemical Genomics of an HLB Model System** **Patne Sai**, Eulgem T, Roose M.L
5:15	***6:30PM***	***Posters Session 8. 9. And 10***
7:00	***9:00PM***	***Conference Banquet - featuring the Jazz Band – "Free Time"***
		Special Evening Keynote Speakers
8:00	***7.27***	**Benefit-cost analysis of Huanglongbing management in Sao Paulo, Brazil** Adami, A.C.O, Miranda, S.H.G., **Bassanezi, Renato B**.
8:25	***1.6***	**Florida Growers and HLB Research** **Jerry Newlin**
		Friday February 8:
9:00 AM	***Noon***	**Post-conference Meeting of the Citrus Health Response Program – Science and Technology Research Coordination Group. Please contact Charla.Hollingsworth@aphis.usda.gov for information and details.**