SUNDAY June 16, 2013  Arrivals – all day

Airport Transportation: Arizona Stagecoach Shuttle (Tucson Airport, Baggage claim area), Taxi, and Rental Cars available from airport to hotel

Registration 3-7pm
Poster Installation 3-8pm (Coyote Room/Sonoran Ballroom)
6:00-7:00 Margarita Reception; chips and salsa (Sonoran Foyer)

Dinner on own
(On site: Lookout Bar & Grill, serving light fare; The Gold Room, Five-Star Restaurant; restaurants nearby, by car)

MONDAY June 17, 2013  [All Presentations: Sonoran Ballroom]

6:30-8:00 a.m.  Breakfast (Sonoran Rooftop)
7:00-8:00 a.m.  Registration (Sonoran Foyer)
8:00-8:15 a.m.  Opening Remarks: Judith Brown, President APS-CD and Themis Michailides, President APS-PD
8:15-8:30 a.m.  Welcome Address: Shane Burgess, Dean, College of Agriculture and Life Sciences, The University of Arizona

8:30-9:00 a.m.  Plenary Presentation 1: Aflatoxin Biocontrol: First Arizona, then the World. Peter Cotty, USDA-ARS/School of Plant Sciences, The University of Arizona, Tucson, AZ

Symposium I. Liberibacter species-Emergent Pathogens
Moderators: Betsy Pierson, Texas A&M Univ and Ron Brlansky; University of Florida, Citrus Research and Education Center Lake Alfred, FL

9:00-9:20  Potato zebra chip disease—the journey from ignorance to insight. James Crosslin, USDA-ARS, Prosser, WA
9:20-9:40  Introduction and current management of Citrus greening disease in Florida and the western U.S. Ron Brlansky, Citrus Research and Education Center Lake Alfred, FL
9:40-10:00  Overview of Zebra Chip of potato in the USA and impact on tuber quality. C. M. Rush, F. Workneh, A. Rashed and L. Paetzold. Texas A&M AgriLife Research, Amarillo, TX
10:00-10:20  Can we manage HLB Liberibacter in the Asian citrus psyllid? Nabil Killiny, Citrus Research and Education Center Lake Alfred, FL

10:20-10:40  Coffee & Tea Break (Sonoran Terrace)

10:40-11:00  Insect repellents, pesticide resistance, and breeding for resistance to potato psyllid to manage Zebra Chip disease. Sean Prager and John Trumble, University of CA, Riverside, CA
11:00-11:20  Is plant resistance to HLB-Liberibacter asiaticus in citrus obtainable? Erik Mirkov, TAMU, Weslaco, TX
11:40-12:00  Advances in functional genomics of psyllid-Liberibacter interactions.  
Tonja Fisher and Judith Brown, The University of Arizona, Tucson, AZ

12:00-1:15  Hosted Lunch  (Catalina Ballroom)

Symposium II.  Grape and Tree Fruit and Nut Diseases  
Moderators: Ron French, Texas A&M, Amarillo, TX and Themis Michailides; UC-Kearney Agriculture Research and Extension Center, Parlier, CA

1:20-1:40 p.m.  The Texas experience of Pierce's Disease and Cotton Root Rot on wine grapes, David N. Appel and Sheila McBride, Texas A&M Univ, College Station, TX

1:40-2:00 p.m.  Botryosphaeriaceae and almond trunk canker: A threat to the almond industry, David Doll, Univ of California Cooperative Extension, Merced Co., Merced, CA

2:00-2:20 p.m.  Jefferson hazelnut meets Eastern filbert blight in Oregon, Jay Pscheidt, Oregon State Univ, Corvallis, OR

2:20-2:40 p.m.  Intimacy of Botryosphaeriaceae and temperate nut crops in California, Themis J, Michailides, Univ. of CA, Kearney Agric. Research & Extension Center, Parlier, CA

2:40-3:00 p.m.  Afternoon Break  (Sonoran Terrace)

3:00-3:20 p.m.  The Botryosphaeriaceae, a major player associated with tropical fruit diseases in Puerto Rico, Luz M. Serrato-Diaz (1), Lydia I. Rivera-Vargas (2), Ricardo Goenaga (3), and Ronald D. French-Monar (1); (1)Texas A&M AgriLife Extension Service, Amarillo, TX; (2) University of Puerto Rico-Mayaguez, PR; (3) USDA-ARS-TARS, Mayaguez, PR.

3:20-3:40 p.m.  Regulated pests and pathogens of nuts for export in the Western region. Brad Lewis, NMDA and G. John Caravetta, Arizona Department of Agriculture

3:40-5:00 p.m.  Round Table Panel Discussion: New and Emerging Plant Health Issues in the Western Region  (Sonoran Ballroom)  
Moderators: Glenn Wright, The University of Arizona, Yuma Agric. Center; Dave Appel, Texas A&M Univ., College Station, TX

Panel Members:  
John Caravetta (AZ Dept of Agriculture); Jerry Levitt (USDA-APHIS, Phx AZ);  
John Loghry (AZ Citrus Research Council); Bob Klein (Research Director CA Pistachio Research Board); Bob Curtis (Res. Director, Almond Board of CA); Carla Thomas, Western IPM Center;  
Peter Cotty (Research Scientist, USDA-ARS/UA)

5:15-6:30  Business meeting (APS-PD and APS-CD)  (Sonoran Ballroom)

6:30-9:00 p.m.  POSTER VIEWING  (Coyote Room/Sonoran Ballroom)  
Reception (*Courtesy, our 2013 Sponsors) & Drink Tickets and Cash Bar  (Coyote Room/Sonoran Ballroom)

TUESDAY June 18, 2013  [All Presentations: Sonoran Ballroom]

6:30-8:00 a.m.  Breakfast  (Sonoran Rooftop)
7:00-8:00 a.m.  Registration  (Sonoran Foyer)
8:10-8:20 a.m.  Announcements, Judith Brown, President APS-CD
8:20-8:30 a.m.  Remarks by APS President, Michael J. Boehm

8:30-9:00  Plenary Presentation II: Diagnostics for newly emerging pathogens affecting ornamental nurseries and landscapes in the Caribbean: potential threats for the U.S, Aaron Palmateer, Tropical Research & Education Center, IFAS, University of Florida

Session 1.  Graduate Student Competition (Oral presentations, 20 min)  
Moderators: Lawrence Datnoff, Louisiana State University, Baton Rouge, LA, and James Farrar, University of California-Davis, Davis, CA.
9:00-9:20  Peduncular and seed infection in chile pepper by the plant pathogenic fungus *Verticillium dahlia*. S. KUNDU (1), S. Sanogo (1), B. Schutte (1), P. H. Cooke (2); (1) Department of Entomology, Plant Pathology and Weed Sciences; (2) Core University Research Resources Laboratory, New Mexico State University, Las Cruces, NM

9:20-9:40  Fungicide resistance of two Alternaria species to azoxystrobin and boscalid in the Columbia Basin. L. TYMON (1), T. F. Cummings (1), D. A. Johnson (1); (1) Washington State University, Pullman, WA.

9:40-10:00  Role of *Sclerotinia sclerotiorum* isolate aggressiveness, multiple inoculations and post-inoculation evaluation dates for selecting white mold resistant common bean. D. VITERI (3), K. Otto (1), H. Terán (2), H. Schwartz (1), S. Singh (3); (1) Department of Bioagricultural Sciences and Pest Management, Colorado State University, Fort Collins, CO, U.S.A.; (2) DuPont Pioneer, Salinas, Puerto Rico; (3) Plant, Soil and Entomological Sciences Department, University of Idaho, Kimberly, ID.

10:00-10:20  Effects of peanut seed treatments on plant stands and implications for disease management in Nicaragua. T. B. BRENNEMAN (2), D. Jerez (1); (1) Comasa, Chinandega, Nicaragua; (2) University of Georgia. [NON-Student presentation].

10:20-10:40  Coffee & Tea Break  (Sonoran Terrace)

10:40-11:00  Host colonization affects community composition of aflatoxin-producing fungi in the Rio Grande Valley of Texas. N. P. GARBER (1), H. L. Mehl (1), P. J. Cotty (2); (1) School of Plant Sciences, The University of Arizona, Tucson, AZ, U.S.A.; (2) USDA-ARS, School of Plant Sciences, The University of Arizona, Tucson, AZ.

11:00-11:20  The role of carbon sources in relation to pathogenicity of *Sclerotinia sclerotiorum* on Valencia peanut. P. LUJAN (2), B. Dungan (2), T. Schaub (2), J. Randall (2), N. Puppala (1), J. Idowu (2), S. Sanogo (2); (1) New Mexico State University, Clovis, NM; (2) New Mexico State University, Las Cruces, NM.

11:20-11:40  Characterizing genetic mechanisms of non-aflatoxicgenic in isolates of *Aspergillus flavus* using the Cluster Amplification Pattern multiplex PCR method. K. A. CALLICOTT (1), P. J. Cotty (1); (1) USDA-ARS/The University of Arizona-Plant Sciences, Tucson, AZ, U.S.A.

11:40-12:00  Effect of application of Ascophyllum extract on the growth, disease incidence and yield of field tomatoes in Trinidad. N. Ali (1), A. Ramsubhag (1), A. Farrell (1), J. JAYARAMAN (1); (1) Dept. of Life Sciences, The University of the West Indies, St. Augustine, Trinidad and Tobago.

12:00-1:15 pm Hosted Lunch  (Catalina Ballroom)

Graduate Student Competition Committee, Luncheon privately

Symposium III. Tropical Plant Diseases: Etiology, Spread and Management Challenges

Moderators: Consuelo Estevez de Jensen, and Jose Carlos V. Rodrigues, University of Puerto Rico, PR.

1:00-1:20  Citrus leprosis disease-A new virus found in Colombia. Ronald H. Bralnsky, Univ of Florida.

1:20-1:40  Oomycetes in hydroponic systems. Consuelo Estevez de Jensen, Univ of Puerto Rico.

1:40-2:00  Orchid diseases. Aaron J. Palmateer, IFAS, Univ of Florida.

2:00-2:40  Potyviridae in cucurbits and wild hosts in Puerto Rico. Jose C. Verle Rodrigues, Univ of Puerto Rico.

2:40-3:00  Afternoon Break  (Sonoran Terrace)

3:00-3:25  Diversity and phylolgeography of begomoviruses in the Caribbean region and Mexico. Cecilia Hernández Zepeda, CICY, Cancun, Mexico.


4:15-6:00  Poster Removal & FREE TIME
6:00-9:00  Banquet & Drink Tickets or Cash Bar; Awards Ceremony (Catalina Ballroom)

WEDNESDAY, June 19, 2013  [All Presentations: Sonoran Ballroom]

6:30-8:00 a.m.  Breakfast  (Sonoran Rooftop)
7:00-8:00 a.m.  Registration  (Sonoran Foyer)
8:30-8:40 a.m.  Announcements: Themis Michailides, President APS-Pacific Division

Session 2.  Mycology; General Disease Management (Oral presentations, 20 min)
Moderators: Debra Ann Inglis, Washington State University-NWREC, Mount Vernon, WA, and Dennis Johnson, Washington State University, Pullman WA.

8:40-9:00  Field performance in Arizona cotton crops of a biological control product made of Aspergillus flavus AF36 coated onto roasted milo
R. JAIME (3), M. Foley (1), G. Barker (3), L. Liesner (1), L. Antilla (1), R. Bandyopadhyay (2), P. J. Cotty (3); (1) Arizona Cotton Research and Protection Council, Phoenix, AZ, U.S.A.; (2) International Institute of Tropical Agriculture, Ibadan, Nigeria; (3) USDA-ARS, University of Arizona-School of Plant Sciences, Tucson, AZ.

9:00-9:20  The complexity of genotype mixtures influences intraspecific interactions among Aspergillus flavus during maize infection
H. L. MEHL (2), P. J. Cotty (1); (1) USDA-ARS, University of Arizona, School of Plant Sciences, Tucson, AZ, U.S.A.; (2) University of Arizona, School of Plant Sciences, Tucson, AZ.

9:20-9:40  Effect of the green algae Chlorella on vegetative growth and production of sporangia by Phytophthora capsici
S. SANOGO (1), M. Lytle (1); (1) New Mexico State University, Las Cruces, New Mexico.

9:40-10:00  The effect of an open-ended high tunnel production system on late blight of tomato in western Washington
M. Powell (1), B. Gundersen (1), C. A. Miles (1), J. S. Cowan (1), D. A. INGLIS (1); (1) WSU Mount Vernon NWREC.

10:00-10:20  Monitoring program and training system to face the problem of the Soybean Cyst nematode in Puerto Rico
R. VARGAS-AYALA (1), C. Estevez De Jensen (1), O. Farria-Medina (1), Y. Arenas-Buitrago; (1) University of Puerto Rico, Mayagüez, PR.

10:20 -10:40  Coffee & Tea Break (Sonoran Terrace)

Session 3.  Virology I (Oral presentations, 20 min)
Moderators: James Crosslin, USDA-ARS, Prosser WA, and Alex Karasev, University of Idaho, Moscow, ID.

10:40-11:00  A preliminary host-range study of two infectious full-length clones of Beet severe curly top virus
A. R. POPLAWSKY (1), S. G. Eid (1), A. V. Karasev (1); (1) University of Idaho, Moscow, ID.

11:00-11:20  Doing more with less: Use of very young plants for biological indexing for graft transmissible pathogens of citrus
R. F. LEE (1), M. L. Keremane (1), C. Ramadugu (2); (1) USDA ARS NCGRC, Riverside, CA, U.S.A.; (2) University of California, Riverside, CA.

11:20-11:40  Identification of viruses in small-farm lily and dahlia cut flower crops in western Washington
G. A. CHASTAGNER (2), K. P. Coats (2), A. DeBauw (2), H. R. Pappu (1); (1) Washington State University, Pullman, WA, U.S.A.; (2) Washington State University, Puyallup, WA.

11:40-12:00  Plenary Presentation III: Caribbean Pathways for Invasive Pathogens: Perspective and Actions from Puerto Rico, Jose C. Verle Rodrigues, Univ of Puerto Rico, Rio Piedras, PR.

12:00-1:15  Hosted Lunch  (Catalina Ballroom)
Session 4.  **Virology II (Oral presentations, 20 min)**
Moderators: Ali M. Idris, KAUST, Jeddah, Saudi Arabia, and C. Hernandez-Zepeda, CICY, Cancún, Quintana Roo, MEX.

1:20-1:40 A recombinant of *Bean common mosaic virus* induces necrosis in an *I* gene bearing line of common bean
X. Feng (1), A. R. Poplawsky (1), A. V. KARASEV (1); (1) University of Idaho, Moscow, ID.

1:40-2:00 A suite of sub-viral DNA molecules associated with *Cotton leaf curl Gezira virus* from the southwestern Saudi Arabia
A. IDRIS (1), M. Piatek (2), M. Al Saleh (3); (1) King Abdullah University of Science and Technology; (2) King Abdullah University of Science and Technology, Thuwal, Saudi Arabia; (3) King Saud University, Riyadh, Saudi Arabia.

2:00-2:20 *Tospoviruses a new threat to vegetable production in Puerto Rico*
C. ESTEVEZ DE JENSEN (4), L. Rivera-Vargas (4), J. V. Rodrigues (4), W. Mercado (1), G. Frantz (2), H. Mellinger (2), C. Webster (3), S. Adkins (3)
(1) Gargiulo Farms, Santa Isabel, PR; (2) Glades Crop Care Inc, Jupiter, FL; (3) USDA-ARS, Fort Pierce, FL; (4) University of Puerto Rico, Mayaguez, Puerto Rico.

2:20-3:00 **Closing Remarks:** APS and Division Presidents. New Officer Introductions; Adjourn

**POSTER SESSION**

**COYOTE ROOM (Sonoran Ballroom): Sunday 3 PM until Tuesday 6 PM**

**Morphological and molecular identification of *Colletotrichum* spp. causing postharvest anthracnose in papaya fruits cv Maradol in Colima, Mexico**
R. ALLENDE-MOLAR (1), I. Rojo-Baez (1), J. A. Carrillo-Fasio (1), R. S. Garcia-Estrada (1), J. Leon-Felix (1), I. Marquez-Zequera (1); (1) Centro de Investigacion en Alimentacion y Desarrollo AC.

**Characterization of the causal agent of aerial blight and wilt in *Vinca rosea* plants from Sinaloa, Mexico**
B. ALVAREZ-RODRIGUEZ (1), J. A. Carrillo-Fasio (1), R. S. Garcia-Estrada (1), J. Leon-Felix (1), R. Allende-Molar (1); (1) Centro de Investigacion en Alimentacion y Desarrollo AC.

**Monitoring and management of fungicide resistance in populations of *Alternaria* spp. from California pistachio orchards**
H. F. Avenot (1), M. Luna (1), D. P. Morgan (1), T. J. MICHAILLIDES (1); (1) University of California-Davis, Kearney Agricultural Center, Parlier, CA.

**Neofusicoccum parvum causing black spots on avocado fruit in Michoacán, Mexico**
G. D. AVILA-QUEZADA (1), H. V. Silva-Rojas (2), H. K. Saenz-Hidalgo (1); (1) Centro de Investigacion en Alimentacion y Desarrollo AC. Av. 4 sur no. 3829, Cd. Delicias, Chihuahua, MEXICO 33089; (2) Colegio de Postgraduados campus Montecillo, Km 36.5 carr. Mexico-Texcoco. Edo. de Mexico. Mexico.

**HYT A and HYT B effect on fungal pathogen growth in broccoli and lettuce – A biological fertilizer program**
K. COONS (3), A. Formella (3), E. Flora (4), M. Abildgaard (2), J. Allan (1); (1) Agrimar; (2) Agrinos; (3) Pacific Ag Research, and (4) pacificagresearch.com.

**Supporting integrated pest management in the Western United States**
J. J. FARRAR (1), C. Thomas (1); (1) Western IPM Center, UC-Davis, Davis, CA.

**Corky bark disease of langsat in Hawaii**
L. M. KEITH (1), T. K. Matsumoto (1), G. T. McQuate (1); (1) PBARC, USDA-ARS, Hilo, Hawaii.

**Survival of *Ralstonia solanacearum* bacteriophage φRsS6 in agricultural soil**
F. S. LOPEZ-SOTO (1), I. Marquez-Zequera (1), R. Allende-Molar (1), J. Leon-Felix (1), J. B. Valdez-Torres (1), J. B. Heredia (1), R. S. Garcia-Estrada (1); (1) Centro de Investigacion en Alimentacion y Desarrollo AC.

**Advances in the detection of ‘*Candidatus Liberibacter solanacearum,*’ the causative agent of potato zebra chip disease.**
J. LEVY (1), A. Ravindran (2), D. Gross (2), C. Tamborindeeguy (3), Elizabeth Pierson (1); (1)Department of Horticultural Sciences, (2)Department of Plant Pathology and (3)Department of Entomology; Texas A&M University, College Station, TX.

**Pathogenicity of *Pythium aphanidermatum* on papaya seedlings cultivar Maradol, and hybrids Sensation and Tainung**
Reducing fungicide applications to control Alternaria late blight of California pistachios by spraying after early season 10-unit DSV thresholds
D. P. MORGAN (1), R. D. Puckett (1), T. J. Michailides (1);(1) Department of Plant Pathology, University of California-Davis, Kearney Agricultural Center, Parlier, CA

Identification of fungal species responsible of stem-end rot in papaya cv Maradol in Colima, Mexico
I. ROJO-BAEZ (1), J. A. Carrillo-Fasio (1), R. S. Garcia-Estrada (1), J. Leon-Felix (1), R. Allende-Molar (1); (1) Centro de Investigacion en Alimentacion y Desarrollo AC.

Evaluation of selected biorational products for efficacy against fungal pathogens of Valencia peanut
S. SANOGO (1), P. Lujan (1), N. Puppala (1), J. Idowu (1), K. Grover (1); (1) New Mexico State University, NM.

Environmental factors influencing disease suppression by compost water extracts (CWE) under controlled conditions
S. J. Tollefson (1), G. CURLANGO-RIVERA (2), T. Pew (3), G. Giacomelli (1), M. C. Hawes (2)
(1) Department of Agricultural and Biosystems Engineering and CEAC, University of Arizona, Tucson, AZ; (2) Department of Soil, Water, and Environmental Science, University of Arizona, Tucson, AZ; (3) Merlin Organics, Tucson, AZ (*graduate student competing paper)

Evaluation of relative susceptibility of lettuce varieties to Tomato spotted wilt virus and Fusarium wilt
T.A. TURINI (2), J. D. McCreight (1);(1) USDA ARS, Salinas, CA, USA; (2) University of California, Fresno, CA.

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