

California Asian Citrus Psyllid and Huanglongbing Research and Extension Summit



September 9th and 10th, 2015

UC Davis
ARC Ballroom A

University of California
Agriculture and Natural Resources

Organizing committee:

J.C. Chen, USDA-ARS

Matt Daugherty, UC Riverside

Kris Godfrey, UC Davis

Beth Grafton-Cardwell, UC Riverside

MaryLou Polek, Citrus Research Board

Facilitator:

Vanessa Murua, UC ANR

Funding provided by



Program at a glance

Day 1 – September 9th

8 – 9 am	Registration
9:00 – 9:20	Opening remarks and introductions
9:20 – 10:20	Session 1 - Monitoring, early detection & epidemiology
10:20 – 10:40	Break
10:40 – noon	Session 1 (cont.)
Noon – 1:20	Lunch
1:20 – 3:20	Session 2 - Extension, outreach & economics
3:20 – 3:40	Break
3:40 – 6:00	Session 3 - Pathogen biology & disease management
6:00 – 8:00	Dinner and networking session

Day 2 – September 10th

9 – 10:15 am	Session 4 - Vector biology & management
10:15 – 10:35	Break
10:35 – noon	Session 4 (cont.)
Noon – 1:20	Lunch
1:20 – 3:00	Concluding discussion
3:00	Tours of the CRF

Session 1: Monitoring, early detection, and epidemiology

Kris Godfrey – Moderator

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9:20 am – Monitoring and analysis of Asian citrus psyllid and huanglongbing dispersal in California – Kevin Hoffman/Matt Daugherty/David Bartels

9:35 am – Metabolomics-based approaches to plant diagnostics – Carolyn Slupsky/Cristina Davis

9:50 am – Use of proteomics for pre-symptomatic detection of HLB – John Sawyer

10:05 am – CLas secreted proteins as detection markers for HLB – Wenbo Ma/Gitta Coaker

10:20 am - Break

10:40 am – Use of plant small RNAs for pre-symptomatic detection of HLB – Hailing Jin

10:55 am – Towards a systems view of ACP/HLB epidemiology in California: bringing the pieces together – Neil McRoberts/Matt Daugherty/David Bartels

11:10 am – Noon – Discussion with group

Session 2: Extension, outreach, and economics

Beth Grafton-Cardwell – Moderator

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1:20 pm – University of California citrus industry and Master Gardener ACP/HLB education program – Beth Grafton-Cardwell

1:40 pm – The difficulties in marketing GMOs and other new technologies needed for the ACP/HLB battle – Peggy Lemaux

2:00 pm – Discussion about needed extension outreach and how best to message the value of technologies – Peggy Lemaux, Karey Windbiel-Rojas, Neil Mc Roberts

2:30 pm – Economics of psyllid control – the Ventura example – Karen Jetter

2:50 pm – 3:20 pm – Discussion of economic evaluation needs

Session 3: Pathogen biology and disease management

J.C. Chen, MaryLou Polek – Moderators
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3:40 pm – Early detection of HLB-associated Liberibacters through monitoring Asian citrus psyllids – Manjunath Keremane

3:55 pm – Whole genome analyses of "Candidatus Liberibacter asiaticus" California strains – J. C. Chen

4:10 pm – Developing HLB resistance in citrus – Chandrika Ramadugu

4:25 pm – A microbiota-based approach to citrus tree health – Johan Leveau

4:40 pm – 6:00 pm – Discussion of pathogen biology and disease management

Session 4: Vector biology and management

Matt Daugherty – Moderator

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9:00 am – Integrating ACP control into the citrus IPM program– Beth Grafton-Cardwell

9:15 am – Optimizing the use of systemic neonicotinoid insecticides for the protection of citrus trees in nursery and field production – Frank Byrne

9:30 am – RNAi strategies to target the Asian citrus psyllid – Bryce Falk

9:45 am – Residential ACP biological control program – David Morgan

10:00 am – Developing ACP biological control: mass-rearing, commercial field releases, and technology transfer – Greg Simmons

10:15 am – Break

10:35 am – Estimating natural enemy impact on ACP population growth – Erica Kistner

10:50 am – Ant disruption of ACP biocontrol agents in Southern California – Kelsey Schall

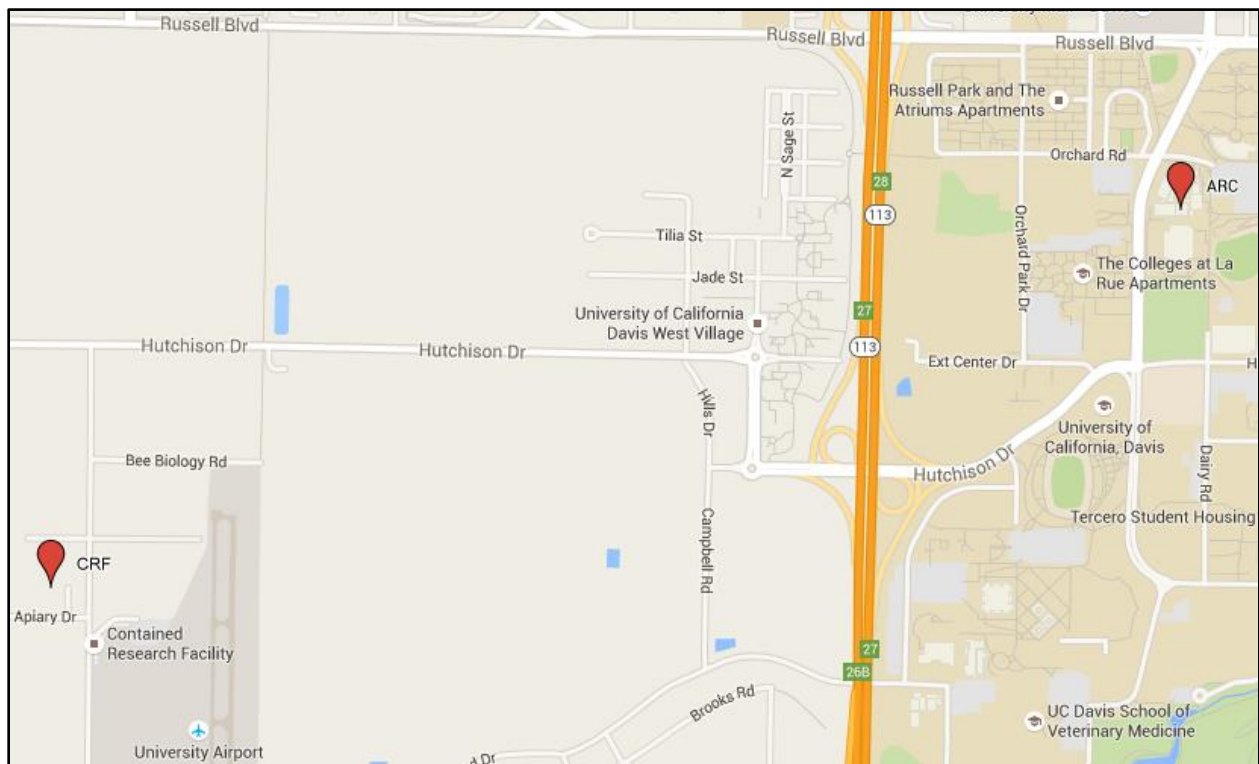
11:05 – Noon – Discussion with group (incl. speakers, Joe Morse)

Contained Research Facility



Following the conclusion of the discussions on the second day of the summit, tours of the CRF will be available to see ongoing research with CLas and HLB.

The CRF is located approximately 2 miles west of the ARC Ballroom (555 Hopkins Rd. Davis, CA).



Location, transportation, and parking

The summit will be held on the UC Davis campus in ARC Ballroom A, part of the Activities & Recreation Center (ARC) located in the Pavilion District off LaRue Blvd on the map below. A searchable campus map can be found here:

<http://campusmap.ucdavis.edu/#>

Summit participants can access the campus wireless network by searching for available WIFI networks and finding the network called “ucd-guest”. Connect to ucd-guest, open a browser and follow the self-registration instructions. This network is available inside the ARC.

Transportation from Sacramento International Airport

There are two shuttles serving Sacramento International Airport that will take you from the airport to your Davis hotel and back:

Davis Airporter: www.davisairporter.com This service requires advance reservations. You may also call them at 800-565-5153 or 530-756-6715

Super Shuttle: www.supershuttle.com Advance reservations are preferred.

In addition, Yolobus (<http://www.yolobus.com/>) lines 42A and 42B run regularly between the Sacramento Airport and UC Davis.

Transportation from the Bay Area

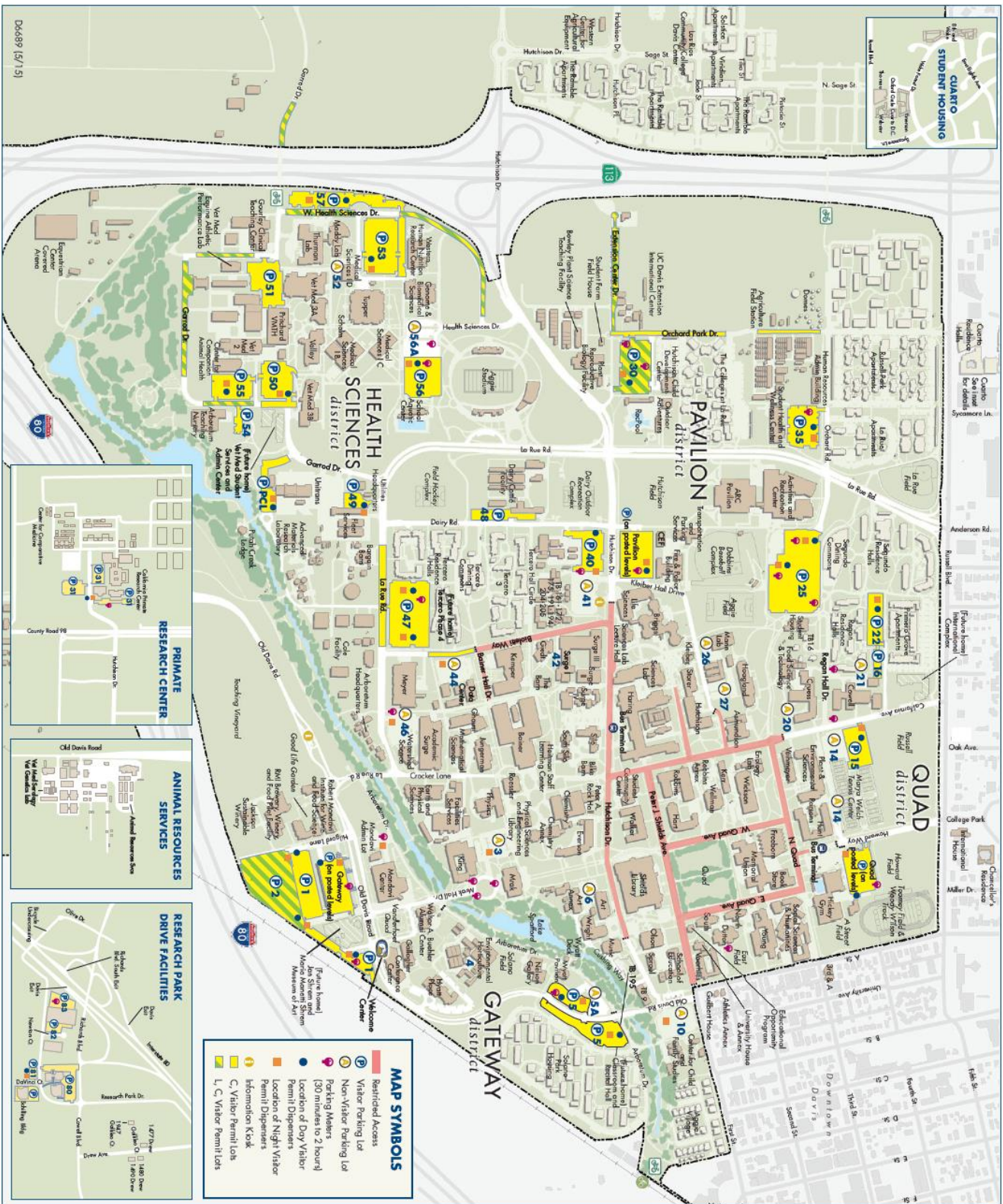
Both shuttle services listed above also provide transportation to and from San Francisco International Airport.

In addition, Amtrak’s Capitol Corridor line has regular trains from the East Bay (Oakland and Berkeley) to downtown Davis. <http://www.capitolcorridor.org/>

Parking

Visitor parking costs \$9.00 per day and permits can be purchased at kiosks in visitor lots. University, state, and federal vehicles can park for free. Visitors may park in lots 25, 35 or 30 with a visitor parking permit. See the map below for the location of these lots.

C, L and VISITOR PERMIT PARKING AREAS (2015-2016)



Registration and lodging

Registration

A \$30 registration fee is requested for all participants, which includes catered meals. Registration instructions can be found at:

<https://registration.ucdavis.edu/Item/Details/174>

Lodging

The map below shows the location of hotels, which range between $\frac{3}{4}$ and 2 miles from the ARC Ballroom. Those listed below offer UC or government discounts.

Downtown Davis (about a 20 minute walk through campus)

Aggie Inn: 245 First Street. 530-756-0352. <http://www.aggieinn.com>

Best Western Palm Court: 234 D Street. 530-753-7100.

<http://bestwesterncalifornia.com/hotels/best-western-plus-palm-court-hotel>

Hallmark Inn: 110 F Street. 800-753-0035. <http://www.hallmarkinn.com>

University Park Inn and Suites: 1111 Richards Blvd. 530-756-0910.

www.universityparkinn.com

Southern edge of campus

Hyatt Place: 173 Old Davis Road. 530-756-9500.

www.ucdavis.place.hyatt.com/en/hotel/home.html

South Davis (across I-80)

Holiday Inn Express: 1640 Research Park Drive. 530-297-1500.

<http://www.ihg.com/holidayinnexpress/hotels/us/en/davie/sacda/hoteldetail>

