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## **Annual Meeting of the California Forest Pest Council - 2019**

### **Forest Health Management: Technological and Conventional Approaches**

November 13-14, 2019

UC Davis Campus  
Student Community Center Multipurpose Room  
Davis, CA

### **Wednesday, November 13, 2019**

12:00 - 1:00 pm Registration

1:00 Welcome - Bob Rynearson, California Forest Pest Council (CFPC) Chair; W.M. Beaty and Associates, Inc., [BobR@wmbeaty.com](mailto:BobR@wmbeaty.com)

#### **1:05 - 2:30 Insect Committee Meeting**

Moderator: Jodi Axelson, CFPC Insect Committee Chair; UC Berkeley Environmental Science, Policy, and Management

- 1:05 Which trees die during drought? The key role of insect host-tree selection
  - Adrian Das, US Geological Survey, Western Ecological Research Center, Sequoia and Kings Canyon Field Station
  
- 1:25 The role of carbon depletion in conifer physiological resistance to drought and pests
  - Jeffrey Lauder and Emily Moran, UC Merced– Jeffrey Lauder, University of California, Merced
  
- 1:45 Patterns of white satin moth-related aspen defoliation along Lake Tahoe’s eastern rim
  - Kellen Nelson and Sarah Bisbing, Department of Natural Resources and Environmental Sciences, University of Nevada-Reno
  
- 2:05 From bark beetles to defoliators in 2019: Never a dull moment in the Southern Sierras
  - Beverly Bulaon, US Forest Service, Pacific Southwest Region, Forest Health Protection, Sonora

Insect Committee Business Meeting

2:30 - 3:00 BREAK

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### **3:00 - 4:30 - Disease Committee Meeting**

Moderator - Patricia Maloney, CFPC Disease Committee Secretary; UC Davis Tahoe Environmental Research Center

- 3:00 The status of whitebark and foxtail pine in the southern Sierra Nevada
  - Jonathan Nesmith, ecologist, Sierra Nevada Network National Park Service, Inventory and Monitoring Program, Sequoia-Kings Canyon National Park
- 3:20 Rare fungi of California – A new field guide
  - Else Vellinga, Department of Plant and Microbial Biology UC Berkeley
- 3:40 European mistletoe in Sonoma County, California, USA, 2019
  - David Shaw, Forest Ecosystems & Society, Oregon State University
- 3:55 The forest microbiome and forest health
  - Mee-Sook Kim, USDA Forest Service, Pacific Northwest Research Station, Corvallis

Disease Committee Business Meeting

### **4:30 - 5:30 Pesticide Laws and Regulations**

Moderator: TBA

Update on pesticide laws and regulations - Pending

### **5:30 – 6:30 Poster Session and Social**

## **Thursday, November 14, 2019**

7:30 - 8:30 am Registration

8:30 Welcome - Bob Rynearson, CFPC Chairperson; W.M. Beaty and Associates

### **8:35 2019 California Forest Health - The Year in Review**

Moderator: TBA

- 8:35 2019 Aerial detection survey California forest health update
  - Jeff Moore, USDA Forest Service, Pacific Southwest Region, Forest Health Protection
- 8:50 Invasive shot hole borers update
  - David Pegos, California Department of Food and Agriculture, Sacramento
  - Stacy Hishinuma, USDA Forest Service, Pacific Southwest Region, Forest Health Protection

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9:05 Goldspotted oak borer activity in Southern California  
– Kim Corella, CALFIRE

9:20 Sudden oak death/*Phytophthora ramorum* update  
– Chris Lee, CALFIRE

9:35 Update on invasive plants in California  
– Jutta Burger, Science program director, California Invasive Plant Council

9:50 California Department of Food and Agriculture (CDFA) Entomologist's report  
– Kyle Beucke, State entomologist

10:05 2019 California Department of Food and Agriculture (CDFA), Plant Disease Lab report  
– Suzanne Rooney-Latham and Cheryl Blomquist,

10:20 - 10:40 Break

### **New and Noteworthy**

**Moderator: TBA**

10:40 The detection of low levels of *Pseudogymnoascus destructans*, the fungus that causes white-nose syndrome in bats, in California  
– Bronwyn Hogan, U.S. Fish and Wildlife Service and Scott Osborn, CA Department of Fish and Wildlife

### **Tree Mortality and Wildfire Prevention – Research and Management Updates**

11:00 Report from the Governor's California forest initiatives, Newsom's fuel reduction plan  
– Helge Eng, CALFIRE, Sacramento

11:30 The Tree Mortality Data Network Collaborative and current findings  
– Jodi Axelson, UC Cooperative Extension, Berkeley

11:45 Oak survival and regeneration: Preliminary results from the North Coast  
– Michael Jones, UC Cooperative Extension, Forestry Advisor, Mendocino, Lake and Sonoma Counties

12:00 – 1:00 pm LUNCH (provided)

### **1:00 Technological Advances to Support Forest Health Management**

**Moderator:** Sheri Smith, USDA Forest Service, Pacific Southwest Region, Forest Health Protection

1:00 Mapping invasive shot hole borer tree mortality in the Santa Monica Mountains  
– Rosi Dagit, Resource Conservation District of the Santa Monica Mountains

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- 1:20 Statewide, tree-scale mortality monitoring for improved forest management  
– Dave Marvin and Christopher Anderson, Salo Sciences, Inc., San Francisco and Christopher Anderson
- 1:40 Development of Ecosystem Disturbance and Recovery Tracker (eDaRT) in High Elevation White Pine Forests  
– Michele Slaton, Ecologist, USDA Forest Service, Bishop
- 2:00 Differential response of a tree-killing bark beetle to forest structure and composition across a gradient of climatic water deficit: A study with small, unhumanned aerial systems  
– Andrew Latimer, Professor, Plant Sciences and Faculty Director, UC Davis Natural Reserve System, UC Davis

Discussion

2:30 - 2:50 BREAK

### **Disrupted Ecosystems**

**Moderator:** Ryan Tompkins, Forestry & Natural Resource Advisor, UC Cooperative Extension, Plumas Sierra

- 2:50 Reforestation for resilience in dry western U.S. forests  
– Malcolm North, Research Forest Ecologist, USDA Forest Service, Pacific Southwest Research Station and Affiliate Professor of Forest Ecology, UC Davis
- 3:10 Modeling historical range of variability and alternative management scenarios in the upper Yuba River watershed, Tahoe National Forest, California  
– Becky Estes, Central Sierra Province Ecologist, USDA Forest Service, Placerville, California
- 3:30 Global pathways for forest pathogen entry into California: *Phytophthora cinnamomi* and the likely sources of wildland infestations in California and Mexico  
– Matteo Garbelotto, Director Forest Pathology and Mycology Lab, Extension Specialist UC Berkeley

### **3:50 Management to Promote Forest Health on the North Coast**

Moderator: Chris Lee, CALFIRE

- 3:55 Bureau of Land Management (BLM) forest health projects on the North Coast: Sudden oak death prevention and density control  
– Daniel Wooden, Forester, Bureau of Land Management, Arcada
- 4:15 Evaluations of sanitation methods for heavy equipment in sudden oak death zones  
– Yana Valachovic or Brendan Twieg, UC Cooperative Extension, Humboldt and Del Norte Counties

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Discussion

**4:40 - 5:00 CFPC Business Meeting** (open to all) - Bob Rynearson

5:00 ADJOURN