



California Forest Pest Council

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. Beatty and Associates, Inc.

1:05 - 2:30 Insect Committee Meeting

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

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

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

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

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

3:00 - 4:30 - Disease Committee Meeting

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

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

Rare Fungi of California – A New Field Guide – Else Vellinga, Department of Plant and Microbial Biology UC Berkeley.

European Mistletoe in Sonoma County, California, USA, 2019 – David Shaw, Forest Ecosystems & Society, Oregon State University

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: Danny Cluck, USDA Forest Service, Pacific Southwest Region, Forest Health Protection, Susanville

Update on Pesticide Laws and Regulations – Lisa Blecker, Pesticide Safety Education Program, UC Statewide IPM Program

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 – 10:25 2019 California Forest Health - The Year in Review

Moderator: Kevin Turner (invited)

2019 Aerial Detection Survey California Forest Health Update – Jeff Moore, USDA Forest Service, Pacific Southwest Region, Forest Health Protection

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

Goldspotted Oak Borer Activity in Southern California – Kim Corella, CALFIRE

Sudden Oak Death/*Phytophthora ramorum* Update – Chris Lee, CALFIRE

Update on Invasive Plants in California – Jutta Burger, Science program director, California Invasive Plant Council

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

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

10:25 - 10:40 Break

10:40 – 12:00 New and Noteworthy

Moderator: Andrea Hefty, USDA Forest Service, Pacific Southwest Region, Forest Health Protection, San Bernardino

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

Report from the Governor's California Forest Initiatives, Newsom's fuel reduction plan – Helge Eng, CALFIRE, Sacramento

The Tree Mortality Data Network Collaborative and Current Findings – Jodi Axelson, UC Cooperative Extension, Berkeley

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 – 2:30 Technological Advances to Support Forest Health Management

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

Mapping Invasive Shot Hole Borer Tree Mortality in the Santa Monica Mountains – Rosi Dagit, Resource Conservation District of the Santa Monica Mountains

Statewide, Tree-Scale Mortality Monitoring for Improved Forest Management – Dave Marvin and Christopher Anderson, Salo Sciences, Inc., San Francisco

Development of Ecosystem Disturbance and Recovery Tracker (eDaRT) in High Elevation White Pine Forests – Michele Slaton, Ecologist, USDA Forest Service, Bishop

Differential Response of a Tree-Killing Bark Beetle to Forest Structure and Composition Across a Gradient of Climatic Water Deficit: A Study with Small, Unmanned Aerial Systems – Andrew Latimer, Professor, Plant Sciences and Faculty Director, UC Davis Natural Reserve System, UC Davis

Discussion

2:30 - 2:50 BREAK

2:50 – 3:50 Disrupted Ecosystems

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

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

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

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 – 4:40 Management to Promote Forest Health on the North Coast

Moderator: Chris Lee, CALFIRE

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, Arcata

Evaluations of Sanitation Methods for Heavy Equipment in Sudden Oak Death Zones – Yana Valachovic and Brendan Twieg, UC Cooperative Extension, Humboldt and Del Norte Counties

Discussion

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

5:00 ADJOURN