

8<sup>th</sup> California Oak Symposium  
**Sustaining Oak Woodlands Under Current and Future Conditions**

Monday-Thursday, March 21-24, 2021  
Embassy Suites, San Luis Obispo, California

**Monday, March 21**

7:30-8:30 Registration

10 AM-5 PM Field Tours (separate registration)

- **Dangermond Preserve** (full day) (confirmed; Claudia plan & lead)
- **The Sinton Family's Avenales Ranch** (full day) (confirmed; Royce plan & lead)
- **Santa Margarita Ranch Vineyard** (half day - AM) (confirmed; Bill plan and ask Vineyard Manager to lead)
- **Learning Among the Oaks Trail** (half day – PM)

Dinner on own

**Tuesday, March 22**

8:00 AM **Welcome & Introductions**

Conference Co-Chair, Bill Tietje, Cooperative Extension Specialist, Department of Environmental Science, Policy, and Management, UC Berkeley (stationed in San Luis Obispo)

**Plenary Session I: Climate Change: Challenges & Prospects for Sustaining CA Oak Woodland**

Moderator: A (invited)

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8:10 **Keynote Address:**

**Setting the Tone: An Overview of Climate Change and Oaks**

**David Ackerly**, Dean of the College of Natural Resources and Professor, UC Berkeley

8:35 **The Past: What Blue Oak Tree Ring Analysis Tells Us about California's Ancient Oak Woodlands**

**David Stahle**, Distinguished Professor of Geography, Department of Geosciences, University of Arkansas, Fayetteville

9:00 **The Present: Drought-induced Blue Oak Mortality**

**Ted Swiecki and Elizabeth Bernhardt**, Principals or Phytosphere Research, Vacaville, California

9:25 **The Future: Implications of Climate Change for the Future of California's Oak Woodlands**

**Frank Davis**, Distinguished Professor of Environmental Science and Management, UC Santa Barbara

9:50 **Question & Answer Session**

10:00 Break

10:30

<b>Concurrent Session 1: Oak Regeneration, Oak Physiology and Genetics (put How to Grow Oaks PANEL here or with this Concurrent)</b>	<b>Concurrent Session 2: Ecology/Wildlife/Plants</b>
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12 PM Lunch

## Plenary Session II: Climate Change—Challenges & Prospects for Managing Privately-owned Oak Woodland

Tuesday, 22 March Moderator: (invited)

- 1:30 **21st Century Management Strategies for Managing California Oak Populations**  
**Victoria Sork**, Life Sciences Division Dean and Professor, Department of Ecology and Evolutionary Biology, UC Los Angeles
- 1:55 **Oak Management under More Frequent and Intense Wildfire**  
**Jon Keeley**, Senior Research Scientist, US Geological Survey, Western Ecological Research Center, Sequoia-Kings Canyon Field Station, Three Rivers, California; Department of Ecology and Evolutionary Biology, UC Los Angeles
- 2:20 **Modern Oak Management Using Native and Non-native Regimes**  
**Chuck Striplen**, Environmental Scientist, State Water Resources Control Board, Santa Rosa, California
- 2:45 **Climate Change and the Management of California Oaks in the Urban Environment**  
**Igor Lacan**, Bay Area Environmental Horticulture and Urban Forestry Cooperative Extension Advisor, Half Moon Bay, California
- 3:10 **Question & Answer Session**
- 3:30 Break
- 4:00
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| <b>Concurrent Session 3: Ecosystem Services</b><br>Moderated by TBD | <b>Concurrent Session 4: Pests and Diseases</b><br>Moderated by TBD |
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- 5:30 **Poster Session with strolling dinner and no-host bar**
- 8:00 PM Adjourn

## Wednesday, March 23

8:00 AM

	<p><b>Concurrent 5 Special Topic Session): Education, Outreach, and Engagement</b>          Moderator: Gregory Ira, Director, UC ANR California Naturalist Program, Davis, California</p> <p>This panel will explore different forms of educational initiatives related to oaks and oak woodlands for diverse audiences. It also examines lessons learned and best practices for increasing diversity, equity, and inclusion in these programs.</p>	<p><b>Concurrent 6: Fire</b> Moderated by TBD</p>
	<p><b>K-12 Education-A Case Study of the Learning Among the Oaks (LATO) Program</b></p>	

	<p><b>Beverly Gingg</b>, Program Manager, Learning Among the Oaks Program, The Land Conservancy of San Luis Obispo County, San Luis Obispo, California</p> <p><b>Adult Education—Teaching Adults about Oaks through the California Naturalist Program.</b> Prahlada Papper (invited)</p> <p><b>The Re-Oak Project: The Evolution of a Community and Citizen Science Initiative</b> Andrea Williams (invited)</p> <p><b>Diversity, Equity, and Inclusion—Helping Communities Reconnect to Land in Meaningful Ways</b> Marcos A. Trinidad (invited)</p> <p><i>Include Submitted Abstracts on the topic</i></p>	
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10:00 Break

10:30 **Concurrent Sessions 7 & 8**

<b>Concurrent Session 7: Oak Policy</b> Moderator TBD	<b>Concurrent Session 8: Land Use/Conservation</b> Moderated by TBD
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12 PM LUNCH

1:30 Wednesday, 23 March 2021

<p><b>Concurrent 9 (Special Topic Session): New Technologies—Insights that Provide Oak Conservation</b> Moderator: Maggi Kelly, Director, Statewide Informatics and GIS Program; Professor and Cooperative Extension Specialist, Department of Environmental Science, Policy, and Management, UC Berkeley</p> <p>This Special Session will explore new technologies being used in the lab and field to determine oak woodland organisms’ tolerance and potential for adaptation to changing environmental conditions. It also examines use of the lessons learned for the management and conservation of oak woodlands.</p>	<p><b>Concurrent 10: Urban Oaks</b> Moderated by TBD</p>
<p><i>“Start where you stand, and work with whatever tools you may have at your command, and better tools will be found as you go along.”—George Herbert, poet</i></p> <p><b>USFS-PNW Remote Sensing Technologies for CA Oak Woodlands</b> <b>Hans-Erik Andersen</b>, Research Forester, US Forest Service, Anchorage, Alaska</p> <p><b>Conservation Dashboards—recording, monitoring, and reporting live from the coast live oak restoration project at the Dangermond Preserve</b></p>	

<p><b>Kelly Easterday</b>, Lead Conservation Technology Manager, The Nature Conservancy's Jack and Laura Dangermond Preserve, Santa Barbara County</p> <p><b>Use of Genomic Information in Oak Conservation</b>  <b>Jessica Wright</b>, Research Geneticist, Pacific Southwest Research Station, US Forest Service, Davis, California</p> <p><b>New SOD Testing Technology: OakSTeP &amp; SOD Blitz:</b>  <b>Matteo Garbelotto</b>, Extension Specialist in Forest Pathology and Adjunct Professor, Department of Environmental Science, Policy, and Management, UC Berkeley</p> <p><i>Include Submitted Abstracts on the topic</i></p>	
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3:00 BREAK

3:30

<p><b>Concurrent Session 11: Effects of Climate Change</b>  Moderated by TBD</p>	<p><b>Concurrent Session 12: Agriculture</b>  Moderated by TBD</p>
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## Thursday, March 24

### Plenary Session III: Maintaining California's Working Landscapes

- 8:00 **The Future of California's Working Landscapes in Changing Environmental Conditions**  
**Lynn Huntsinger**, Professor and Associate Dean of Instruction & Student Affairs, Department of Environmental Science, Policy, and Management, UC Berkeley
- 8:25 **Landscapes that WORK for Nature and Ranchers**  
**Adina Merenlender**, Cooperative Extension Specialist and Adjunct Professor, ANR Hopland Research & Extension Center, Hopland, California
- 9:50 **Adapting Ranch Management to Prolonged Drought and Changing Plant Phenology**  
**Royce Larsen**, Area Natural Resource/Watershed Cooperative Extension Advisor, Templeton, California
- 9:15 **Keeping the Ranch in the Family: The Rancher's Perspective**  
**Stephen Sinton**, California Livestock Producer and Attorney at Law—Co-founder The California Rangeland Trust), **and**  
**Daniel Sinton**, Writer and Board of Directors, the California Rangeland Trust, Shandon, California
- 9:45 *Audience Questions and Comments*
- 10:00 BREAK

10:30 *Capstone Presentation:*

**Where Have We Been and Where Are We Going?**

Paul Starrs, Writer and Regents & Foundation Distinguished Professor of Geography, Department of Geography, University of Nevada, Reno

11:30 **Adjourn**

Conference Co-Chair, Jessica Wright, Research Geneticist, Pacific Southwest Research Station, US Forest Service, Davis, California

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