

CALIFORNIA CHAPARRAL SYMPOSIUM IV:

Integrating science and stewardship to promote human and ecosystem resilience



CALIFORNIA
FIRE SCIENCE
CONSORTIUM



CAL POLY
Natural Resources Management
& Environmental Sciences
COLLEGE OF AGRICULTURE, FOOD
& ENVIRONMENTAL SCIENCES



University of Nevada, Reno



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Program Schedule

Tuesday, May 07, 2024		
1:00 pm – 1:20 pm	Welcome, introductions, and agenda	Hugh Safford
1:20 pm – 1:50 pm	A chaparral primer: What every citizen should know about chaparral	Nicole Molinari & Hugh Safford
1:50 om – 2:10 pm	What is “Maritime Chaparral” and how does its management pose novel conservation challenges?	Mike Vasey
Balancing fire risk and environmental impacts		
2:10 pm – 2:25 pm	Prescribed burning of Venturan coastal sage scrub	Frank Davis
2:25 pm – 2:40 pm	WUI Typologies: A multi-dimensional land classification for balancing fire risk reduction with natural resource conservation?	Alexandra Syphard
2:40 pm – 2:55 pm	The Regional Wildfire Mitigation Program: A path to resilience for human communities in shrubland landscapes	Max Moritz
2:55 pm – 3:10 pm	Balancing Fuel Management Goals and the Ecological Impacts of Fuel Modification	Robert Fitch
3:10 pm – 3:25 pm	CAL VTP demystified	Len Nielson
3:25 pm – 4:00 pm	Questions & Discussion	
4:00 pm – 4:15 pm	Break	
4:15 pm – 5:30 pm	Poster Session	
Wednesday, May 08, 2024		
9:00 am – 9:10 am	Introduction to the day	Grey Hayes
Effects of changing fire regimes in chaparral		
9:10 am – 9:25 am	Frequent fire in northern California chaparral reduces post-fire shrub regeneration and native plant diversity	Ashley Grupenhoff
9:25 am – 9:40 am	Impact of Short Fire Return Intervals on Shrub Resilience: How Short is Too Short?	Jon Keeley
9:40 am – 9:55 am	Predicting the impacts of changing fire regimes on a rare chaparral shrub, Morro manzanita	Claudia Tyler
9:55 am – 10:10 am	Faunal long term responses to wildfire in the chaparral – coastal sage scrub system in southern California, identifying winners and losers.	Robert Fisher
10:10 am – 10:25 am	Using the EcoServe Tool to quantify the impacts of fire on chaparral biomass and other ecosystem services	Emma Underwood & Charlie Schrader
10:25 am – 10:55 am	Questions & Discussion	
10:55 am – 11:15 am	Break	
Strategies & goals for stewarding chaparral: Case-studies from the field		
11:15 am – 11:25 am	Fuels, fear and fire-followers: balancing human and ecological risk at Pinnacles National Park	Amelia Ryan
11:25 am – 11:35 am	Fire Management in Chamise Chaparral	Dave Erickson & Luke Bourgault
11:35 am – 11:45 am	To burn or not to burn, that is the question....	Jeremy Zagarella
11:45 am – 1:10 pm	Lunch	
1:10 pm – 1:20 pm	Cowboys, Indians and the fire-curious: community based burning in CA shrub lands with Prescribed Burn Associations	Jared Childress
1:20 pm – 1:30 pm	Things we thought we knew: reexamining the relationship between remaining twig diameter and fire intensity	Kate Wilkin
1:30 pm – 1:40 pm	Crushing Manzanitas to Save Them in the Santa Cruz Sandhills	Tim Hyland
1:40 pm – 1:50 pm	Quantifying the Value of Fuelbreak Networks in Chaparral Landscapes	Matt Sloggy
1:50 pm – 2:20 pm	Questions and Discussion	
2:20 pm – 2:30 pm	Break	
Chaparral Restoration: Approaches and Lessons Learned		
2:30 pm to 2:45 pm	Diverse approaches to a complex problem: restoring woody plant diversity to degraded chaparral	Carla D’Antonio
2:45 pm to 3:00 pm	Trait-offs in strategies: Matching plant functional traits to microsite conditions to maximize restoration survival	Shane Dewees
3:00 pm to 3:15 pm	Drought limitations in restoring chaparral and coastal sage scrub species: An ecophysiological case study	Anna Jacobsen & Brandon Pratt
3:15 pm to 3:30 pm	Time since fire impacts chaparral post-fire restoration success and seed bank recovery	Meg Kargul
3:30 pm to 3:45 pm	Developing a postfire restoration framework for shrublands	Emma Underwood & Nicole Molinari
3:45 pm to 4:15 pm	Questions and Discussion	