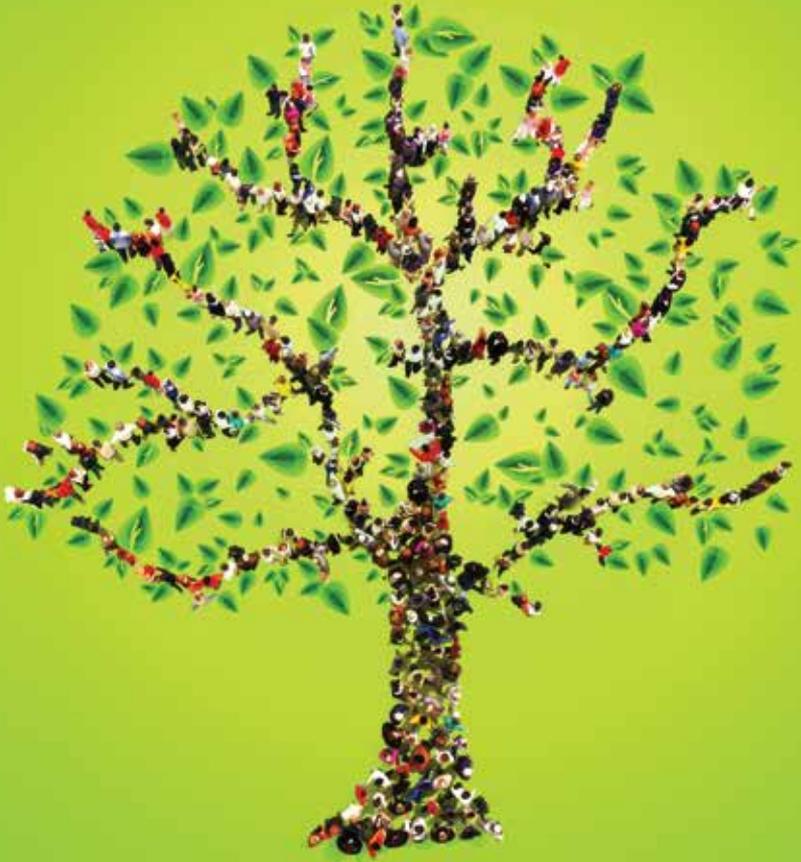


2016 California Urban & Community Forests Conference



# The Power of Trees:

## Building Resilient Communities

August 9-11, 2016 El Pueblo de Los Angeles

Presented By:



GROWING TREES MAKE GREAT NEIGHBORHOODS



© Mathew Louie

## Supporting Urban & Community Forestry in California

The USDA Forest Service and State Forestry Agencies, in partnership with national and local organizations provide a comprehensive approach to the stewardship of urban trees & forest resources. This approach helps ensure the vitality of communities by engaging people where they live, work & play.

For more information, visit our website: [www.fs.fed.us/ucf](http://www.fs.fed.us/ucf)

## Welcome to The Power of Trees Conference at El Pueblo de Los Angeles!

The California Urban Forests Council and California ReLeaf are excited to have you here with us for a day and a half of spirited discussion addressing the value of the urban forest from the larger “natural capital” perspective to leveraging resources through multi-agency collaboration.

You will hear the results of a statewide analysis of California’s urban forests and have the opportunity to share your ideas and suggestions for community solutions to the threats facing trees in your communities.

While here, we know you’ll also:

- make new friendships and grow existing ones
- learn about our sponsors and the services they offer
- acknowledge the good work of award winners, and
- experience all of the amazing things Los Angeles has to offer!

The perceived and very real value of urban and community trees grows daily. We hope you will learn a lot while sharing your expertise as we all commit to bring the incredibly valuable assets of the urban forest to our communities.



GROWING TREES MAKE GREAT NEIGHBORHOODS

This publication was made possible through funding from the California Department of Forestry and Fire Protection and the National Urban and Community Forestry Program of the USDA Forest Service. This institution is an equal opportunity employer.



## California ReLeaf

**California ReLeaf's mission is to empower grassroots efforts and build strategic partnerships that preserve, protect, and enhance California's urban and community forests.**

We work statewide to promote alliances among community-based organizations, individuals, industry, and government agencies, encouraging each to contribute to the livability of our cities and the protection of our environment by planting and caring for trees. Our programs and services include:

- Acting as the State's volunteer coordinator for urban forestry in partnership with the California Department of Forestry and Fire Protection (CAL FIRE);
- Coordinating the California ReLeaf Network, an alliance of over 90 urban forest groups.
- Administering pass-through grant programs from State and Federal funding sources;
- Publishing California Trees, a newsletter that explores current issues in urban forestry;
- Providing assistance, online resources, and referrals to individuals, organizations, and agencies working to improve the management of urban forests in California's communities;
- Monitoring State and Federal legislation and educating stakeholders to advocate on behalf of urban trees;
- Coordinating a statewide celebration of California Arbor Week, March 7-14.

**Walking Tour of El Pueblo & Historic Trees with Michelle Garcia-Ortiz & Leon Boroditsky. 6:15pm on Tues. Aug 9**



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## California Urban Forests Council

**The California Urban Forests Council envisions thriving and prosperous California communities transformed by healthy trees and green spaces.**

**WHO WE ARE:** We are a non-profit organization dedicated to supporting urban and community forestry to improve quality of life in California communities. We achieve this through education and outreach and tree planting programs addressing public, economic, and environmental health.

**OUR MISSION:** Advancing investment in urban and community trees, parks and green spaces through education and outreach, community-based activities and collaborative action.

Utilizing the Invest From the Ground Up program our efforts include:

- Advocacy and support for public policy and government action that supports and encourages the development of policies and practices for resilient and sustainable communities;
- Creation of distribution of educational materials that offer research, professional expertise and contemporary knowledge to empower California residents to participate actively in urban forestry;
- Development and support for successful local, regional and state-wide urban forestry programs, projects and organizations;
- Coordination of educational workshops, an annual conference, and support seven regional urban forest councils across California - and more.



**Join Us for the CAUFC Awards Celebration During Lunch, 12:15pm Wednesday, August 10**

**WEDNESDAY, AUGUST 10**

**7:30AM REGISTRATION, BREAKFAST, & EXHIBITS**

**8:15AM WELCOME & EXPECTATIONS OF THE DAY**

Cindy Blain, Executive Director (ED), California ReLeaf, & Nancy Hughes, (ED), California Urban Forests Council (CaUFC)

**8:45AM WELCOME TO LOS ANGELES: TREES AS INFRASTRUCTURE**

Ted Bardacke, LA Director of Infrastructure

**9:00AM THE POWER OF REES: NATURAL CAPITAL IN CITIES**

Gretchen Daily, PhD, Director of the Center for Conservation Biology & Bing Professor of Environmental Science, Stanford University

Host: Haydi Danielson, Co-Owner, Boething Treeland Farms

**9:45AM THE POWER OF PARTNERS: A MULTI-AGENCY COLLABORATIVE**

Andy Lipkis, Founder & President, TreePeople

Host: Nancy Hughes, (ED), CaUFC

**10:30AM BREAK & BOOK SIGNING**

**10:45AM THE POWER OF JOBS: TREE CARE, DIVERSITY, & COMMUNITY EDUCATION (PANEL)**

Host: Cindy Blain, (ED), California ReLeaf

Brigitte Orrick, Workforce Development Director, Tree Care Industry Association

Allegra Mautner, Tree Care Associate, Friends of the Urban Forest

Oscar Sanchez, Arborist Tree Care LA

**11:45AM GREENSPACE & PSYCHOLOGICAL HEALTH**

Greg Bratman, Postdoctoral Researcher, Biology & Psychology, Stanford University

Host: Catherine Martineau, Executive Director, Canopy

**12:15PM LUNCH, BOOK SIGNING, & CALIFORNIA URBAN FORESTS COUNCIL AWARDS CELEBRATION**

**1:15PM URBAN WATERS PARTNERSHIP MODEL**

Pauline Louie, Ambassador, Center for Watershed Health

Host: Miranda Hutten, Program Manager, Urban & Community Forestry, USDA Forest Service

**1:45PM SEEING THE FOREST FOR THE TREES: PUBLIC POLICY & FUNDING (PANEL)**

Host: Chuck Mills, Director of Public Policy & Grants, California ReLeaf

Emi Wang, Environmental Equity Manager, The Greenlining Institute

Alfredo Arredondo, Legislative Consultant, Conservation Strategy Group

David Haas, Regional Urban Forester, CAL FIRE

**2:30PM THE POWER OF DIVERSITY: GREEN 2.0**

José González, Founder, Latino Outdoors & Green 2.0 Working Group Member

Host: Ray Tretheway, Executive Director, Sacramento Tree Foundation

**3:15PM BREAK**

**3:25PM "TREES IN TROUBLE" SCREENING & COMMUNITY EDUCATION**

Andrea Torrice, Filmmaker, Torrice Media

Host: Emily Spillett, Program Manager, Davey Resource Group

**4:15PM CALIFORNIA RESEARCH PROJECTS (PANEL)**

Host: Rose Epperson, President, Western Chapter International Society of Arboriculture (WCISA)

Miranda Hutten, Program Manager, USDA Forest Service - LA Urban Center

Andy Trotter, Vice President, West Coast Arborists - Tree Care for Birds & Other Wildlife

Erika Teach, Natural Resource Specialist, USDA Forest Service & Davey Resource Group - i-Tree Update

Jeff Reimer, Urban Forestry Technical Support, Cal Poly - 2016 Survey of California's State of Urban Forestry

Igor Lacan, PhD, Urban Forestry Advisor, UC Cooperative Extension - Study on Wood Decay Fungi and Tree Failure

**4:55PM END OF DAY REMARKS & LOGISTICS**

Nancy Hughes, (ED), CaUFC, & Emina Darakjy, Street Tree Seminar

**5:30PM RECEPTION AT PICO HOUSE COURTYARD**

**6:00PM WELCOMING REMARKS**

Bill Funderburk, Commissioner, LA City Department of Water & Power

**THURSDAY, AUGUST 11**

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**8:15AM WELCOME BACK!**

Nancy Hughes, (ED), CaUFC, & Cindy Blain, (ED), California ReLeaf

**8:30AM CALIFORNIA'S CROWN JEWELS UNDER ATTACK**

Greg McPherson, PhD, Project Leader, USFS Pacific Southwest Research Station

Host: John Melvin, Staff Chief, Resource Protection & Improvement, CAL FIRE

**9:00AM CLIMATE CHANGE AND WEATHER**

Mark Jackson, Meteorologist, National Weather Service & NOAA

Host: Delia Juncal, Landscape Development Coordinator, City of Oceanside

**9:15AM EXPLORING SOLUTIONS & RAPID RESPONSE (PANEL)**

Host: Cindy Blain, (ED), California ReLeaf

John Kabashima, MBA, PhD, Environmental Horticulture Advisor Emeritus, UC Cooperative Extension

Igor Lacan, PhD, Urban Forestry Advisor, UC Cooperative Extension

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**10:15AM BREAK**

**10:30AM TREES & PUBLIC HEALTH: SAVING LIVES THROUGH URBAN FORESTRY**

Elizabeth Rhoades, PhD, Climate Change Liaison, Los Angeles County Department of Public Health

Host: Patricia Winter, PhD, Research Social Scientist, USDA Forest Service

**11:15AM LA URBAN CENTER**

Miranda Hutten, Program Manager, Pacific Southwest Region, USDA Forest Service

Patricia Winter, PhD, Pacific Southwest Research Station, USDA Forest Service

Host: Elizabeth Skrzat, Program Director, City Plants

**12:00PM YOUR TOP 2 ACTIONS**

Discussion & "Popcorn" Sharing

**12:30PM CLOSING REMARKS**

Haydi Danielson, Co-Owner, Boething Treeland Farms, & Emily Spillett, Program Manager, Davey Resource Group

**12:45PM ADJOURN**

## El Pueblo de Los Angeles

 Pico House, El Pueblo de Los Angeles, 424 N Main Street, Los Angeles, CA



### PARKING

Location	Rates	Hours
Lot 1 419 N. Main Street	\$2.00/20 min; \$14.00 MAX \$9.00 flat rate	Mon-Fri: 7:00am-5:30pm Sat-Sun: 9:00am-5:30pm
Lot 2 615 N. Main Street	\$2.00/20 min; \$14.00 MAX \$9.00 flat rate	Mon-Fri: 6:00am-9:00pm Sat-Sun: 6:00am-9:00pm
Lot 3 852 N. Alameda Street	\$2.50/20 min; \$15.00 MAX	Mon-Fri: 9:00am-9:00pm
Lot 4 426 N. Los Angeles Street	\$8.00 flat rate \$7.00 flat rate \$8.00 flat rate \$7.00 flat rate	Mon-Fri: 7:00am-3:00pm Mon-Fri: 3:00pm-9:00pm Sat-Sun: 9:00am-5:00pm Sat-Sun: 5:00pm-9:00pm
Lot 5 711 Alameda Street	\$8.00 flat rate \$7.00 flat rate \$8.00 flat rate \$7.00 flat rate	Mon-Fri: 7:00am-3:00pm Mon-Fri: 3:00pm-9:00pm Sat-Sun: 9:00am-5:00pm Sat-Sun: 5:00pm-9:00pm

Operational hours and rates subject to change.

## Detailed Schedule Wednesday, August 10

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Ted Bardacke, Los Angeles Director of Infrastructure

**9:00AM THE POWER OF TREES: NATURAL CAPITAL IN CITIES**

Gretchen Daily, PhD, Executive Director, Stanford Center for Conservation Biology

Host: Haydi Danielson, Co-Owner, Boething Treeland Farms

Over the past decade, there has been an awakening to the values of trees and other vital elements of nature. Now the challenge is to turn this awakening into powerful incentives and institutions that will guide wise investments in nature on a large scale. Gretchen will discuss a vision and strategy for meeting this challenge, and inspiring advances being made in key regions places and sectors worldwide.

**9:45AM THE POWER OF PARTNERS: A MULTI-AGENCY COLLABORATIVE**

Andy Lipkis, Founder & President, TreePeople

Host: Nancy Hughes, Executive Director, California Urban Forests Council

If the Urban Forest is to meet its potential and its promises of benefits such as health protection, water supply, water quality, flood protection, sustainability and resilience, it must be managed as the living ecosystem it truly is. Andy will chart 25 years of progress and new breakthroughs that are enabling some of the largest urban infrastructure agencies to collaborate and combine their long range planning, funding, design, construction and robust maintenance resources into multi-purpose Green Infrastructure so it becomes a viable route to accelerating climate change mitigation and adaptation.

**10:30AM BREAK & BOOK SIGNING**

## Detailed Schedule Wednesday, August 10

### **10:45AM THE POWER OF JOBS: TREE CARE, DIVERSITY, AND COMMUNITY EDUCATION (PANEL)**

Host: Cindy Blain, Executive Director, California ReLeaf  
Brigitte Orrick, Workforce Development Director,  
Tree Care Industry Association  
Allegra Mautner, Manager, Friends of the Urban Forest  
Oscar Sanchez, Arborist, Tree Care LA

Build stronger, healthier communities by bringing trees AND jobs to the communities that need tree canopy the most. Learn about the serendipitous current convergence of a TCIA training initiative, new funds for training, and a US Dept of Labor grant for apprenticeships. Canopy equity in the urban forest sector is about much more than tree planting. As GIS maps show us where trees are needed most – often low income, “under-resourced” neighborhoods – let’s change the dialog to incorporate the non-traditional resources & innovation found in diverse communities.

### **11:45AM GREENSPACE AND PSYCHOLOGICAL HEALTH**

Greg Bratman, Postdoctoral Researcher, Biology & Psychology,  
Stanford University  
Host: Catherine Martineau, Executive Director, Canopy

Never before have so many people been so removed from nature. Along with this change, comes another trend: an uptick in mental disorders, disproportionately in cities. While this is a complex arena, nature experience has been shown to have a positive impact on both mood and cognitive function among people living in cities. Greg will cover the various ways in which these benefits have been demonstrated previously, and recently in our own work. Additionally, Greg will present our current investigations into the ways in which nature experience may influence emotion regulation. The changes in emotion regulation resultant from nature exposure may help explain the beneficial impacts that occur from interacting with natural environments, a hypothesis that we will explore in more detail with this presentation.

### **12:15PM LUNCH, BOOK SIGNING, & CALIFORNIA URBAN FORESTS COUNCIL AWARDS CELEBRATION**

## Detailed Schedule Wednesday, August 10

### **1:15PM URBAN WATERS PARTNERSHIP MODEL**

Pauline Louie, Ambassador, Center for Watershed Health  
Host: Miranda Hutten, Program Manager,  
Urban & Community Forestry, USDA Forest Service

The Urban Waters Partnership Model provides a new approach to taking on big goals in natural resources. Pauline will discuss how the partnership works, why it is considered such a success, and what insights can be applied to your partnerships.

### **1:45PM SEEING THE FOREST FOR THE TREES: PUBLIC POLICY & FUNDING (PANEL)**

Host: Chuck Mills, Director of Public Policy & Grants, California ReLeaf  
Emi Wang, Environmental Equity Manager, The Greenlining Institute  
Alfredo Arredondo, Legislative Consultant, Conservation Strategy Group  
David Haas, Regional Urban Forester, CAL FIRE

The panel will provide an in-depth discussion about the short and long-term future for urban forestry funding and policy in the Golden State. Panelists will share their insights and expertise on how Governor Brown's vision for adapting to a changing climate will affect allocations from the Greenhouse Gas Reduction Fund for urban forestry, green infrastructure, and other pertinent programs. Panelists will also provide updates on new funding sources, a park bond, and relevant legislation moving forward right now.

### **2:30PM THE POWER OF DIVERSITY: GREEN 2.0**

José González, Founder, Latino Outdoors & Green 2.0  
Working Group Member

Host: Ray Tretheway, Executive Director, Sacramento Tree Foundation

The Green 2.0 initiative is dedicated to opening the “green ceiling” by increasing racial diversity across mainstream environmental NGOs, foundations and government agencies. José will provide an overview of the ways “green” organizations can become more transparent and inclusive of people of color – who support environmental protection at a higher rate than whites.

### **3:15PM BREAK**

## Detailed Schedule Wednesday, August 10

### 3:25PM "TREES IN TROUBLE" SCREENING & COMMUNITY EDUCATION

Andrea Torrice, Filmmaker Torrice Media

Host: Emily Spillett, Production Manager, Davey Resource Group

### 4:15PM CALIFORNIA RESEARCH PROJECTS (PANEL)

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Erika Teach, Natural Resource Specialist, USDA Forest Service & Davey Resource Group - i-Tree Update

Jeff Reimer, Urban Forestry Technical Support, Cal Poly - 2016 Survey of California's State of Urban Forestry

Igor Lacan, PhD, Urban Forestry Advisor, UC Cooperative Extension - Study on Wood Decay Fungi and Tree Failure

This panel will share a variety of current research projects in California and how you can support the projects as well as benefit from the results.

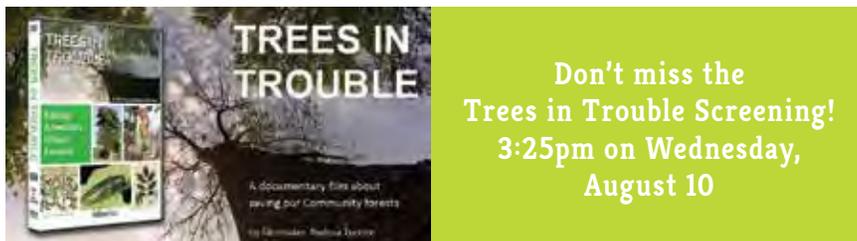
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Nancy Hughes, Executive Director, CaUFC & Emina Darakjy, Street Tree Seminar

### 5:30PM RECEPTION AT PICO HOUSE COURTYARD

### 6:00PM WELCOMING REMARKS

Bill Funderburk, Commissioner, LA City Department of Water & Power



## Detailed Schedule Thursday, August 11

### 7:30AM REGISTRATION, BREAKFAST, AND EXHIBITS

### 8:15AM WELCOME BACK!

Nancy Hughes, Executive Director, California Urban Forests Council, and Cindy Blain, Executive Director, California ReLeaf

### 8:30AM: CALIFORNIA'S CROWN JEWELS UNDER ATTACK

Greg McPherson, PhD, Project Leader,

USFS Pacific Southwest Research Station

Host: John Melvin, Staff Chief,

Resource Protection & Improvement, CAL FIRE

Although California's urban forests contain 173 million trees that produce ecosystem services valued at \$8.3 billion annually, there is little tangible evidence that our urban forests are healthy and becoming more resilient. The number of street trees per linear mile has dropped from 105 to 75, and funding for municipal programs has gone from \$3 to \$2 per capita. The amount of canopy per capita is lowest among 50 U.S. states, and tree canopy cover in Los Angeles has declined at a rate of 667 acres per year. Drought, pests and disease are taking a massive toll on the trees that remain. What actions need to be taken now to combat these threats?

### 9:00AM CLIMATE CHANGE AND WEATHER

Mark Jackson, Meteorologist, National Weather Service & NOAA

Host: Delia Juncal, Municipal Landscape Development Coordinator, Formerly City of Oceanside

Much of the western United States continues to experience very dry conditions, with nearly two thirds of the west currently in a drought. Many areas of central and southern California are in the fifth straight year of below normal precipitation, resulting in the first ever appearance of the exceptional drought classification in California since the classification system began in 2000. These very warm and dry conditions have had numerous impacts, including of course reduced forest growth and productivity. Mark will discuss our current drought, the latest seasonal forecasts including how the expected La Niña could impact drought conditions, and what impacts from climate change are possible across the west for the remainder of this century.

## Detailed Schedule Thursday, August 11

### **9:15AM GROUP DISCUSSION: EXPLORING SOLUTIONS & RAPID RESPONSE (GROUP DISCUSSION)**

Host: Cindy Blain, Executive Director, California ReLeaf

John Kabashima, MBA,PhD, Environmental Horticulture Advisor Emeritus, UC Cooperative Extension

Igor Lacan, PhD, Urban Forestry Advisor, UC Cooperative Extension

Greg McPherson, PhD, Project Leader, USFS Pacific Southwest Research Station

Given the status of California's urban forest and the threat facing it, what are short-term and long-term solutions, both field-based and policy-driven? This panel discussion will offer several ideas for solutions and seek audience input for additional suggestions and feedback.

### **10:15AM BREAK**

### **10:30AM TREES AND PUBLIC HEALTH: SAVING LIVES THROUGH URBAN FORESTRY**

Elizabeth Rhoades, PhD, Climate Change Liaison, Los Angeles County Department of Public Health

Host: Patricia Winter, PhD, Research Social Scientist, USDA Forest Service

Trees are a critical tool for protecting public health during extreme heat events, which are predicted to become more frequent and severe with climate change. This session will explore the many public health benefits of trees and how Los Angeles County agencies are promoting tree planting and maintenance as a climate change adaptation strategy.

## Detailed Schedule Thursday, August 11

### **11:15AM LA URBAN CENTER**

Miranda Hutten, Program Manager, Pacific Southwest Region, USDA Forest Service

Patricia Winter, PhD, Pacific Southwest Research Station, USDA Forest Service

Host: Elizabeth Skrzat, Program Director, City Plants

The Los Angeles Center for Urban Natural Resources Sustainability (LA Urban Center) serves as an "Information Destination Hub" where key environmental, urban ecosystem, urban natural resource and socioeconomic studies and products will inform decisions and actions to enhance the urban forests, waterways, wildlife, green infrastructure and quality of lives throughout the Los Angeles metropolitan area. Miranda and Pat will lead a facilitated discussion with conference attendees in order to leverage partner input to build future research and information sharing capacity.

### **12:00PM YOUR TOP 2 ACTIONS**

Table Discussion & Popcorn Sharing

What are your top two actionable items from this conference? Please consider, discuss, and we'll share some of our results together.

### **12:30PM CLOSING REMARKS**

Haydi Danielson, Co-Owner, Boething Treeland Farms, and Emily Spillet, Program Manager, Davey Resource Group

### **12:45PM ADJOURN**

**ALFREDO ARREDONDO**

**LEGISLATIVE CONSULTANT,  
CONSERVATION STRATEGY GROUP**

Alfredo works with clients to develop successful legislative and regulatory strategies to achieve their policy goals. Previously, Alfredo served as Assemblymember Mark Stone's primary staff for the Committee on Public Safety and the Committee on Environmental Safety and Toxic Materials, where he provided analysis and recommendations on legislation. During his tenure with the Assemblymember, Alfredo shepherded legislation in a wide variety of issue areas including: providing a funding mechanism for outdoor education to reach under-served students in park poor communities; establishing and expanding California's first earned income tax credit for the working poor; reducing plastic pollution by specifically targeting cellulose acetate cigarette filters; and providing reliable access to broadband internet for all Californians. Alfredo earned a Bachelor of Arts degree in Social-Cultural Anthropology from the University of California at Davis.

**TED BARDACKE**

**LOS ANGELES DIRECTOR OF  
INFRASTRUCTURE**

Ted Bardacke currently holds the positions of Director of Infrastructure for Los Angeles Mayor Eric Garcetti, and Adjunct Professor of Urban Environmental Design and Planning at UCLA, and was instrumental in crafting the city's first ever Sustainability Plan in his previous role as Deputy Director of Mayor Garcetti's Office of Sustainability. Prior to working in local government, Ted was deeply involved in both the drafting and implementation of sustainability reference tools and standards, including LEED rating systems for Neighborhood Development and Homes, the Collaborative for High Performance Schools, and the Green Communities Initiative for affordable housing. From 2003 to 2013, Ted worked in the Green Urbanism Program at Global Green USA and during the 1990s was a foreign correspondent for the Financial Times of London, based in Mexico City and Bangkok. A graduate of Wesleyan University and the Graduate School of Architecture at Columbia University, he has been a Visiting Fellow at Mexico City's Centro de Transporte Sustentable and is co-author with teaching colleague Walker Wells, of *Blueprint for Greening Affordable Housing* (Island Press, 2007).

**GREG BRATMAN**

**POSTDOCTORAL RESEARCHER,  
BIOLOGY & PSYCHOLOGY,  
STANFORD UNIVERSITY**

Greg is a postdoctoral researcher with the Center for Conservation Biology. He is working to define and study "psychological ecosystem services" by examining the impact of nature experience on human cognitive function and mental health. His work was recently discussed in the January 2016 issue of National Geographic, in an article titled "This Is Your Brain On Nature." In his other life, Greg writes comedy shows.

**GRETCHEN DAILY, PHD**

**EXECUTIVE DIRECTOR, STANFORD  
CENTER FOR CONSERVATION BIOLOGY**

An ecologist by training, Gretchen's work spans scientific research, teaching, public education, and working with leaders to advance practical approaches to environmental challenges. Gretchen co-founded the Natural Capital Project ([www.naturalcapitalproject.org](http://www.naturalcapitalproject.org)), an international effort focused on achieving this integration through research, practical tools, and policy-oriented demonstrations in contrasting places around the world.

**JOSÉ GONZÁLEZ**

**FOUNDER, LATINO OUTDOORS &  
GREEN 2.0**

José is an experienced educator in formal and informal education settings with an array of associated interests in the arts, education, conservation, and the environment. He has broad experience as a K-12 public education teacher, environmental education adviser, outdoor education instructor and coordinator, and university adjunct faculty. Currently he is leading Latino Outdoors and working on other bridging opportunities with Latino communities and conservation.

**DAVID HAAS**

**REGIONAL URBAN FORESTER,  
CAL FIRE**

David Haas was born and raised in Anaheim, California. He graduated from Cal Poly San Luis Obispo with a BS in Forestry, and worked as a Forester for a private timber company in Northern California for 7 years. He worked as a Landscape Specialist for Caltrans District 8 (Riverside & San Bernardino counties) for a year and a half before starting with CAL FIRE in August 2015 as Regional Urban Forester for Los Angeles and Venture counties. He is a registered Professional Forester and a licensed Pest Control Advisor.

**MIRANDA HUTTEN**

**PROGRAM MANAGER,  
URBAN & COMMUNITY FORESTRY,  
USDA FOREST SERVICE**

Miranda Hutten is a graduate of the School of Environmental and Public Affairs at Indiana University with a Masters in both Natural Resources Management and Applied Ecology. As a Presidential Management Fellow for the U.S. Forest Service, she provided technical and financial assistance on Forest Service landowner assistance programs. Currently, Miranda is the U.S. Forest Service Urban and Community Forestry Program Manager for the Pacific Southwest Region. Her goal is to further partnerships with states, cities, communities and nonprofit organizations to increase community awareness on the importance of trees in sustaining healthy and viable cities through improved social, natural, and economic benefits.

**MARK JACKSON**

**METEOROLOGIST,  
NATIONAL WEATHER SERVICE & NOAA**

Mark Jackson is the Meteorologist in Charge for NOAA's National Weather Service in Oxnard, California, serving Los Angeles, Ventura, Santa Barbara, and San Luis Obispo Counties. Mark has been the meteorologist in charge in Oxnard since 2005, and prior to that worked in National Weather Service offices in Brownsville, Texas, Honolulu, Hawai'i, and Salt Lake City, Utah. Over his 20-plus year career in the National Weather Service, Mark has served on numerous scientific and programmatic teams, including the team to create the most recent National Weather Service Strategic Plan to build a Weather-Ready Nation.

**JOHN KABASHIMA, MBA, PHD**

**ENVIRONMENTAL HORTICULTURE  
ADVISOR EMERITUS,  
UC COOPERATIVE EXTENSION**

John's varied research and extension programs have included the management of insects, diseases, and weeds in horticulture production systems and urban landscapes, biological control of exotic pests, water use and water use related problems of landscapes, nurseries, municipalities and at the watershed level. He also managed the over 300 strong UCCE Master Gardener volunteer program in Orange County, which uses formally trained volunteers of UC ANR to extend university based information on gardening and horticulture to the public. During his career, in addition to his position as Environmental Horticulture Advisor, John has held various positions such as Interim Center Director of the UC ANR South Coast Research and Extension Center (SCREC) in Irvine, and as the County Director of the UCCE office in Orange County. John is currently working on the Polyphagous Shot-Hole Borer and Fusarium Dieback as an Emeritus Advisor.

**IGOR LACAN, PHD**

**URBAN FORESTRY ADVISOR,  
UC COOPERATIVE EXTENSION**

Igor's program of applied research and extension provides technical and policy tools to advance sustainable environmental management. Focusing on urban trees and urban water, Igor develops research projects that explore emerging issues in urban landscapes such as optimizing tree growth in stormwater facilities, as well as contribute to mitigating longstanding problems such as wood decay and failure in urban trees. Ian produces extension and outreach materials that transfer findings from the University of California and other academic sources to the practitioners, and serves as a technical resource for landscape professionals, planners and architects, local governments, Cooperative Extension colleagues and other academics, UC Master Gardeners, and tree-focused non-governmental organizations. Ian's academic training includes urban forestry (PhD), aquatic ecology (MS) and ecology (BS) all from the University of California, Berkeley.

**ANDY LIPKIS**

**FOUNDER & PRESIDENT, TREEPEOPLE**

Andy Lipkis is a practical visionary who has dedicated his life to healing the environment while improving the lives of individuals and communities. He founded TreePeople in Los Angeles in 1973 at age 18 and continues to serve as its President. Andy has spearheaded an approach using trees and forest-inspired technologies to make cities sustainable while mitigating floods, drought, pollution, and global warming. This approach is being demonstrated in L.A. as a model for cities everywhere.

**PAULINE LOUIE**

**AMBASSADOR,  
CENTER FOR WATERSHED HEALTH**

As the Urban Waters Los Angeles River Watershed Ambassador, Pauline Louie coordinates a partnership that includes nine federal agencies and over 22 local stakeholder groups that work to facilitate revitalization projects on the Los Angeles River. Currently supported by the USEPA, she comes to the role from the US Department of HUD, where for over 16 years she was a liaison on sustainability, housing, community and economic development. As a disaster specialist, Pauline led the FEMA housing recovery team following Florida's 2004 hurricanes. Over 250 community and tribal organizations across the country have also benefited from her grant writing and non-profit management training. Prior to federal service, Pauline consulted on redevelopment and BRAC reuse for Keyser Marston Associates, Inc., and was a Contracts and Grants Administrator for the University of California. She attended UCLA for a BA in Political Science, BA in Geography/Environmental Studies, and her MA in Urban Planning, with a focus on environmental and transportation planning. Pauline has also completed an executive program in Community Building at the John F. Kennedy School of Government at Harvard University.

**ALLEGRA MAUTNER**

**TREE CARE MANAGER,  
FRIENDS OF THE URBAN FOREST**

Allegra Mautner organizes and runs the weekly volunteer tree care events at Friends of the Urban Forest. She holds a BS in Professional Forestry from UC Berkeley and is an ISA Certified Arborist. She has had a passion for social justice from a young age, growing up in a diverse family and taking action going to protests with her parents. Allegra cares deeply about improving the earth through learning, teaching, greening, and collaborating.

**GREG MCPHERSON**

**PROJECT LEADER, USFS PACIFIC  
SOUTHWEST RESEARCH STATION**

Dr. Greg McPherson is a Research Forester with the USDA Forest Service's Pacific Southwest Research Station located in Davis, CA. He measures and models effects of trees on energy use, urban heat islands, air pollutant uptake, carbon sequestration, and rainfall interception. His research is helping justify investments in urban forest planning and management.

**BRIGITTE ORRICK**

**WORKFORCE DEVELOPMENT DIRECTOR,  
TREE CARE INDUSTRY ASSOCIATION**

Brigitte Orrick is the Workforce Development Director for the Tree Care Industry Association (TCIA), she develops arborist and urban forestry workforce sectors in communities to support and develop academic and training programs for the tree care industry. Her background in forestry and higher education helps connect employers, educators, and workforce development entities to improve accessibility to jobs in the green industry. Brigitte joined TCIA in January, 2016, with 14 years of experience in higher education and industry.

**JEFF REIMER**

**URBAN FORESTRY TECHNICAL  
SUPPORT, CAL POLY**

Jeff earned his BS in Forestry and MS in Urban Forestry from Cal Poly State University, San Luis Obispo where he is currently employed in the Natural Resources Management and Environmental Sciences Department. Jeff has developed, managed and maintained the UFEI online resources since 1995. He is a Certified Forester and a member of WCISA, SAF (Society of American Foresters), Central Coast Urban Forest Council, and presently on the California Urban Forestry Advisory Committee. Jeff is passionate about the need for education and accuracy of information relating to trees as a treasured resource, and their appropriate selection.

**ELIZABETH RHOADES, PHD**

**CLIMATE CHANGE LIAISON,  
LOS ANGELES COUNTY DEPARTMENT  
OF PUBLIC HEALTH**

Elizabeth Rhoades, Ph.D., coordinates climate change policy and programs at the Los Angeles County Department of Public Health, where she works to bring a public health voice to decision-making related to climate change. She is the Department representative to County and regional climate change workgroups. She founded and leads the interdepartmental County Climate Committee, which brings together various Los Angeles County departments to implement the County's Community Climate Action Plan. In 2014, she authored two climate change reports released by the Department of Public Health, entitled Your Health and Climate Change, and Framework for Addressing Climate Change. Elizabeth received her doctorate in public health from the Johns Hopkins Bloomberg School of Public Health.

**OSCAR SANCHEZ**

**ARBORIST, TREE CARE LA**

Oscar Sanchez was born in El Salvador and raised in Los Angeles. In 1998 He joined TreePeople, where he was an elementary and high school environmental educator. He later moved to their forestry department, leading plantings with volunteers. Five years ago Oscar moved to his current job with Tree Care LA., where he learned how to climb, use a chainsaw, and perform all the other tree care activities – safely and correctly. Oscar also teaches community education classes at Los Angeles City College. Currently he and his partner are working with the Western Chapter ISA to start a Tree Specialist apprenticeship program.

**ERIKA TEACH**

**NATURAL RESOURCE SPECIALIST,  
USDA FOREST SERVICE & DAVEY  
RESOURCE GROUP**

Erika currently works with the Davey Tree Expert Company supporting community members that are conducting i-Tree projects and with the USDA Forest Service participating in urban forest research. Prior to working for Davey and the Forest Service, she directed the Urban Ecology Department for the Sacramento Tree Foundation, administering diverse projects and services related to land enhancement and tree mitigation. Erika began her career in Natural Resource Conservation in 2006 with Teichert Aggregates as a Restoration Field Worker in their Land Restoration Department conducting site maintenance, monitoring sites, and propagating native plants. She earned her Master's Degree in Ecology, Evolution, and Conservation from California State University Sacramento where she also holds a Bachelor's in Theatre Arts.

## Speaker Biographies

### ANDREA TORRICE

#### FILMMAKER, TORRICE MEDIA

Andrea Torrice is an award-winning documentary and public television producer/writer whose work spans a range of contemporary issues. Her most recent public television documentary, *Trees in Trouble*, explores the benefits and threats to America's urban forests. Her work has been supported by the Ford, Annie E. Casey, Surdna, William Penn, Gund, The Ohio Humanities, The Tree Fund, and other foundations, as well as by the Corporation for Public Broadcasting, and the Independent Television Service. She is also the recipient of a CPB Gold Award in Community Programming. She currently works in Cincinnati, Ohio, where she lives with her husband and son.

### ANDY TROTTER

#### VICE PRESIDENT, WEST COAST ARBORISTS

Mr. Trotter has been with WCA since August of 1982. Prior to that, he had eight years' experience in the tree care industry. After working as a Foreman for eight years, Mr. Trotter was promoted to Field Operations Manager in March of 1990. As Field Operations Manager, he supervises all of the field operations as well as oversees our safety, training, nursery and wood recycling facility. He has been an industry leader in many key projects including United Voices for Healthier Communities Great Clean Air Planting Project, Toolkit for Developing Urban Forest Management Plans and the Western Chapter ISA's annual "Workday" fundraiser.

### EMI WANG

#### ENVIRONMENTAL EQUITY MANAGER, THE GREENLINING INSTITUTE

Emi helps lead the Environmental Equity team's work tracking state implementation of SB 535, which directs at least one quarter of California's Greenhouse Gas Reduction Fund investments to disadvantaged communities. Emi works to engage stakeholders and advocates around opportunities to access climate investments in communities of color & low-income communities, where the impacts of climate change & pollution hit the hardest. Prior to joining Greenlining, Emi supported grassroots community improvement initiatives, primarily in low-income neighborhoods across New York City. She oversaw over 60 micro-grants yearly, facilitated capacity-building workshops focused on community organizing skills, and engaged in outreach efforts.

### DR. PATRICIA WINTER, PHD

#### RESEARCH SOCIAL SCIENTIST, USDA FOREST SERVICE

Dr. Patricia Winter is Research Social Scientist for the Pacific Southwest Research Station's Urban Ecosystems & Social Dynamics Program, and PSW's lead contact for the Los Angeles Center for Urban Natural Resources Sustainability. She holds a bachelor's degree in psychology from the University of California Irvine, and a masters and doctorate in psychology from Claremont Graduate School. Her research is focused on increasing environmentally responsible actions, managing natural resource recreation opportunities for a diverse public, trust between publics and managing agencies, perceptions of and reactions to risk, and increasing socioecological resilience.

## Continuing Education Units

The course or session has been approved for continuing education units (CEUs) under the ISA Certification Program. In order to receive credit for this meeting, they MUST sign the attendance sheet. In respect of the integrity of the program, sign ins will be available AFTER the final speaker.

If you are both a Certified Arborist and Certified Tree Worker please place both numbers on the attendance form.

**Date: Tuesday, August 09, 2016**

**Date: Wednesday & Thursday,  
August 11, 2016**

Course Code: WE-16-418

Course Code: WE-16-417

#### Certified Arborists

Treeworker CEUs:	4.50	Treeworker CEUs:	9.50
Arborist CEUs:	4.50	Arborist CEUs:	9.50
Municipal Specialist CEUs:	4.50	Municipal Specialist CEUs:	9.50
Utility Specialist CEUs:	0.00	Utility Specialist CEUs:	0.00

#### Certified Arborists

Treeworker CEUs:	9.50
Arborist CEUs:	9.50
Municipal Specialist CEUs:	9.50
Utility Specialist CEUs:	0.00

#### Board Certified Arborists

Science CEUs:	0.00	Science CEUs:	0.00
Practice CEUs:	0.00	Practice CEUs:	0.00
Management CEUs:	4.50	Management CEUs:	9.50

#### Board Certified Arborists

Science CEUs:	0.00
Practice CEUs:	0.00
Management CEUs:	9.50



El Pueblo Park Association (EPPA) was founded in 1982 to foster public interest in and good will for El Pueblo de Los Angeles Historical Monument (El Pueblo). We are a volunteer group dedicated to promoting the historic plaza and its historic buildings.



[www.eppala.org](http://www.eppala.org)



[www.arborjet.com](http://www.arborjet.com)



[www.arborwell.com](http://www.arborwell.com)



[www.boethingtreeland.com](http://www.boethingtreeland.com)



[www.brightview.com](http://www.brightview.com)



Protecting nature. Preserving life.™

[www.nature.org](http://www.nature.org)



[www.laurbanresearchcenter.org/](http://www.laurbanresearchcenter.org/)



[www.csocalifornia.com](http://www.csocalifornia.com)



[www.davey.com](http://www.davey.com)



[www.hortscience.com](http://www.hortscience.com)



[mannandtrees.com](http://mannandtrees.com)



[www.placeworks.com](http://www.placeworks.com)



GROWING TREES MAKE GREAT NEIGHBORHOODS

[www.caufc.org](http://www.caufc.org)



[www.californiareleaf.org](http://www.californiareleaf.org)



[www.sdge.com](http://www.sdge.com)



[westcoastarborists.com](http://westcoastarborists.com)



Urban and Community Forestry



## CALIFORNIA DEPARTMENT OF FOREST & FIRE PROTECTION

### URBAN FORESTRY PROGRAM

The mission of the CAL FIRE Urban Forestry Program is to develop a regional and statewide cooperative effort to advance creation and expansion of sustainable urban and community forests. In support of this goal we provide the following services to the people of California:

- Urban forestry grants to local government entities & non-profit groups.
- Technical assistance to all interested individuals and organizations with urban forestry program management, tree planting, tree care and more.
- Speakers for public meetings, educational outreach and Arbor Day events.
- Advocacy for local urban forestry efforts.

For more information, visit:

[calfire.ca.gov/resource\\_mgt/resource\\_mgt\\_urbanforestry](http://calfire.ca.gov/resource_mgt/resource_mgt_urbanforestry)



EL PUEBLO de LOS ANGELES  
Historical Monument