



STS NEWSLETTER

A bimonthly publication of Street Tree Seminar
Your Los Angeles/Orange County Regional Forest Council

WTMS MEETING HIGHLIGHTS: BUILDING GREENER COMMUNITIES

Winter 2019 WTMS was once again held at the incomparable Huntington Gardens. Thank you to all of our speakers and attendees for another tree-mendous WTMS on the books!

Here is an overview of speaker bios and presentations.
For full handouts please visit our website:
www.streettreseminar.com

Green Cities, Good Health

Dr. Kathleen Wolf, University of Washington

People and Nature in Cities: More than 80% of the U.S. population, and more than 50% of all people in the world live in urbanized areas. Nature in cities and towns includes parks, gardens, trees, small landscapes, and natural areas – all providing many benefits.

This web site provides an overview of the scientific evidence of human health and well-being benefits provided by urban forestry and urban greening.

Benefits Science: Recent research has revealed the environmental benefits provided by metro nature, such as improved air and water quality, energy savings, and reduced urban heat island effects. The social sciences provide additional evidence of benefits. Nearly 40 years of research shows that the experience of nature is profoundly important to human functioning, health, and well-being.

Human Health and Well-Being Benefits: We may intuitively accept that urban nature is important for public health. This web site presents supporting evidence, confirming intuitions and expanding our knowledge. Given the high population densities of urban areas, every bit of nearby nature has the potential to benefit hundreds to thousands of people daily.

Planning for Nature: People have long recognized that nature in cities and towns provides beauty and respite. However city green improves public health - ranging from individuals to entire communities. Taken as a whole, metro nature is a “green infrastructure” system that can be planned and integrated with built systems (such as transportation and housing) to create more sustainable urban environments.



Bio: Dr. Kathleen Wolf is a Research Social Scientist with the College of the Environment, University of Washington, and is a key collaborator with the US Forest Service Pacific NW Research Station on a research program about Urban Forestry and Stewardship. Since receiving her Ph.D. from the University of Michigan Dr. Wolf has done research to better understand the human dimensions of urban forestry and urban ecosystems. She has also worked professionally as a landscape architect and as an environmental planner. Kathy's studies are based on the principles of environmental psychology; her professional mission is to discover, understand and communicate human behavior and benefits, as people experience nature in cities and towns. Moreover, Kathy is interested in how scientific information can be integrated into local government policy and planning. She is a member of or has served with national organizations that promote nature in cities: the Environmental Design Research Association, the International Society of Arboriculture, Society of American Foresters, the Transportation Research Board national committee on Landscape and Environment, the Washington State Community Forestry Council, as well as a technical contributor on human well-being to the Sustainable Sites Initiative, and Research Advisor to the TKF Foundation. Dr Wolf has presented her research throughout the United States, in Canada, Europe, Australia and Japan.

Art and the Urban Forest

Mr. Adam Schwerner, Disneyland Resort

Over a 20 year period, the presenter increasingly engaged with the 83,000 acres of Chicago Park District Lands in ways that provided surprise and the unexpected within the public domain with the focus often being in and around the urban forest. Ultimately this thorough engagement with the urban forest of the District led to the painting of large groups of trees with vibrantly hued house paint. The immediate public reaction to these efforts caused a great deal of engagement of the local and national press and within that coverage a whole series of understanding related of the value of trees commenced. The voyage of many years to get the painted forest "project" starts with small efforts in the parks that grew larger each year. In the end, the Chicago's urban forest became the site of community engagement and serious talk about why trees matter.



Mr. Adam Schwerner, Disneyland

NOTES FROM MARCH MEETING

Our March 2019 meeting was held at West Coast Arborist's new Street Tree Revival facility in Anaheim, CA

Past Presidents in attendance were: Al Remyn, Alan Hudak, Andy Trotter, Ann Hope, John Conway, Paul Webb, Rose Epperson, Wayne Smith

Prizes were donated by: WCA, Inc, Wayne Smith, Emina Darakjy

Congratulations to our Raffle Winners: Jeanne Jones, Al Remyn, Mike Palat, John Conway, Emina Darakjy, Ann Hope

Next Meeting:

WEDNESDAY!

May 22, 2019 // 10:30AM
PESTS AND TREE CARE FOR 2019
with Dr. John Kabashima
JJ Mauget Company
5435 Peck Rd Arcadia, CA



Visit our website for more information <http://www.streettreeseinar.com> - online registration is available.

SCHOLARSHIP NEWS

The Importance of Street Trees: social benefits of our urban canopy by Jose Gama Vargas

Street trees bring ecological value to their urban environments. They reduce air pollution and they help mitigate the effects of the heat island. Another important component of the urban forest lies in how it helps society at large. These benefits are physiological but also socially positive. In today's political and social climate, the role of street trees is needed more than ever. What are these positive social effects?

For starters, trees help reduce levels of anxiety, depression and anger. In fact, doctors in the United Kingdom are now prescribing going out to nature as a remedy for ailments. In Japan, there is a name for it: *shinrin-yoku* or "forest bathing". Physiologically, the intake of beneficial bacteria, essential oils, from the trees and negatively charged ions make all of our moods better, calmer and more conducive to overall cordiality.

Additionally, trees have been found to decrease crime. A 2010 study in Portland, Oregon found a correlation between large trees and a decrease in crime. In a different

study in Baltimore, researchers discovered that a rise in the tree canopy of 10 percent was associated with about a twelve percent fall in crime. This was particularly true for trees that were located on public property. It is important to note that the Portland study found that smaller, clumped trees contributed to an increase in crime. Baltimore similarly found an increase in crime around trees that were found on private property. This highlights the importance of arborists in helping place trees in the right place.

Trees also bring people together. A Chicago study in 1997 looks at how trees around dense residential centers affected people. They found that urban forests attracted more people of various ages outside. The residents with trees around their homes said that they knew their neighbors more, and had stronger feelings of community than neighbors with no trees.

These are only a few of the many socially beneficial effects of our urban canopy. There are more that were not mentioned here and many more that are yet to be discovered in future studies!



Jose with Scholarship Chair Al Remyn and John Conway

WTMS CONTINUED

Sustainable Urban Forestry, turning rhetoric into reality

Mr. Matthew Wells, City of Santa Monica

Climate change threatens terrestrial ecosystems and the populations that depend on them. Planning for and delivering sustainability and environmental resilience is essential for communities globally. Five-years of severe drought in California has caused significant damage to the state’s urban forests and impaired their ability to deliver ecosystem services to the communities that live amongst them. Climate change can damage the urban forest but is also mitigated by the ecosystem services it delivers. Strategically planned and systematic urban forestry management can maximize these ecosystem services in an economically responsible manner. It can turn the concept of sustainability into reality by showing progress towards agreed goals through realistic metrics tracked within appropriate timeframes.

This presentation will explore how urban forest sustainability is being approached by the City of Santa Monica in California. It will look at the six different metrics being used to judge the City’s success in this endeavor. The presentation will also describe how tree diversity, both in species and age range, are being planned for at a street and park level. Finally, the presentation will describe how GIS mapping and data analytics have been used to create a five-year street tree planting prioritization model in Santa Monica. This model uses eight metrics that consider the condition of the urban forest, environmental concerns and human need.

Attendees at this presentation will increase their knowledge of how urban forest sustainability can be delivered through strategic planning, and the timely tracking of key metrics.

Bio: Matthew is the Public Landscape Manager for the City of Santa Monica in California. Santa Monica strives to be a beacon of local government including its sustainably planned urban forestry program. Previous to this he was the Director of Tree Preservation for NYC Parks and has also been an arboricultural officer in central London. Matthew has a unique international experience of urban forestry and specializes in municipal tree care. He is a Chartered Arboriculturist and holds a master’s in arboriculture & urban forestry. Matthew has presented at conferences globally and is passionate about research driven resource management.



Matthew Wells, City of Santa Monica



Effects of increased home size on the green cover in Los Angeles County’s single-family neighborhoods

Dr. Su Jin Lee, University of Southern California

Single-family residential neighborhoods make up large areas within cities and are undergoing change as residences are renovated and redeveloped. We investigated the effects of such residential redevelopment on land cover (trees/shrubs, grass, building, and hardscape) in the 20 largest cities in the Los Angeles Basin from 2000 to 2009. We identified spatially stratified samples of single-family home lots for which additional square footage was recorded and for which additional construction was not recorded by the tax assessor. We then digitized land cover on high-resolution color imagery for two points in time to measure land cover change. Redevelopment of single-family homes in Los Angeles County resulted in a significant decrease in tree/shrub and grass cover and a significant increase in building and hardscape area. Over 10 years, urban green cover (trees/shrubs and grass) declined 14–55% of green cover in 2000 on lots with additional recorded development and 2–22% of green cover in 2000 for single-family lots for which new permits were not recorded. Extrapolating the results to all single-family home lots in these cities indicate a 1.2 percentage point annual decrease in tree/shrub cover (5.6% of existing tree/shrub cover) and a 0.1 percentage point annual decrease in grass cover (2.3% of existing grass cover). The results suggest that protection of existing green cover in neighborhoods is necessary to meet urban forest goals, a factor that is overlooked in existing programs that focus solely on tree planting. Also, changing social views on the preferred size of single-family homes is driving loss of tree cover and increasing impervious surfaces, with potentially significant ramifications for the functioning of urban ecosystems.

(Continued on page 4)

What are people saying about this Winter’s WTMS?

“The map progression of the loss of green cover in Los Angeles was very dramatic and difficult to challenge. Well done.”
 “Great to have a balance with the creative and human effect of our profession.”

WTMS CONTINUED

Bio: Su JinLee, Ph.D., is a Lecturer of Spatial Sciences Institute in the Dana and David Dornsife College of Letters, Arts, and Sciences at the University of Southern California.

Su Jin is very interested in today's challenging and critical environmental and social challenges. His research integrates spatial approaches in addressing questions of the interaction between humans and the environment using geospatial technologies such as geographic information systems, remote sensing, and global positioning systems (GPS). His research areas are not limited to terrain analysis, land cover and land use change, urban development, house price, and air pollution.

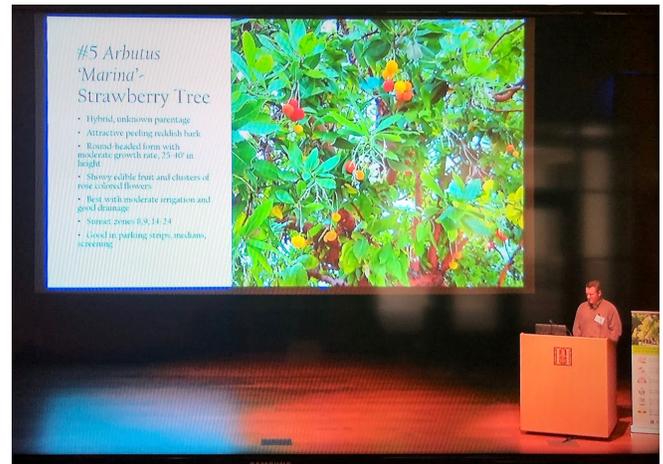
He teaches various courses graduate and undergraduate level. The programs in the graduate level he teaches are the Geographic Information Science and Technology (GIST) online graduate programs, the Master of Science in Spatial Informatics program, and the GeoHealth track at the Keck School of Medicine's Master of Public Health Program. For the undergraduate level, he teaches in the Bachelor of Science in GeoDesign major program, the GIS and Sustainability Science minor, the Spatial Studies minor program, and the Human Security and Geospatial Intelligence minor program.

Climate Reality: Regeneration of the Landscape

Mr. Shawn Maestretti, Shawn Maestretti Garden Architecture and Ms. Leigh Adams, Los Angeles County Arboretum

Nurturing healthy soil, rainwater harvesting, hugelkultur, carbon sequestration, permeable surfaces and re-imagining landscapes that increase the health and vigor of our forests are all topics we will be reviewing. A thoughtful approach to planning and regenerative landscape practices will help to offset climate change... when we

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Tim Crothers, West Coast Arborists

what it has evolved to do. The audience will receive a helpful checklist of "regenerative practices", inspiration, and a fresh approach to assisting in the planning of resilient landscapes as their roles in arboriculture. This melds beautifully with the conference theme "We're in this boat together". Our presentation will reinforce the image of a sinking boat and how arborists and tree workers also play a MAJOR role in the future of the landscape.

Bios: SHAWN MAESTRETTI, LANDSCAPE ARCHITECT

Designer, plantsman, certified arborist, educator, and licensed landscape contractor, Shawn has been creating exceptionally designed and artfully developed gardens in the greater Los Angeles area since 2006. Highly collaborative with a strong attention to detail and a knack for problem-solving, he helps his clients realize outdoor living spaces that they will connect with for years to come.

Shawn combines extensive horticultural experience, strong composition skills, and environmentally-sensible practices with a wide palette of visually and texturally interesting California-friendly plants, breathing new life and a sense of place into every garden.

LEIGH ADAMS, ARTIST, EDUCATOR

Designer and builder of organic garden systems and integrated school gardens. Leigh is currently Artist in Residence and Interpretive Horticulturist for the LA County Arboretum and Botanic Garden and Artist in Residence at Metabolic Studio. Her demonstration garden at the Arboretum has inspired many local school and community gardens, local homeowners and the County of Los Angeles to adopt water optimizing and soil building practices. Gardens designed by Leigh are exemplars of habitat restoration populated with pollinators, food production, contented home and business owners and over a million visitors a year.

See you all July 18th at Kellogg West for our Summer WTMS! Look for the flyer coming soon!



Congratulations to our 2019 Grand Prize raffle winner, Kerry Norman! Enjoy your new TV!

"All the speakers were awesome and the topics interesting and relevant to the tree industry!"

MARCH MEETING - WCA'S STREET TREE REVIVAL

West Coast Arborists, Inc. (WCA, Inc.) is a tree maintenance and management provider serving over 275 cities, counties and school districts throughout California and Arizona. 25 years ago, we started our urban wood recycling program in collaboration with the California Department of Forestry and Fire Protection (CDF).

All trees have a life cycle and since a number of trees require removal, it was important for us to create an environmentally sound and socially responsible alternative to importing lumber from other areas and to reduce the demand of trees from natural forests. We are making every effort to divert thousands of logs from our local landfills and continue to capture and sequester wood carbon.

Today, our wood recycling program has become an important component of our approach to urban forest management. We have expanded our efforts from tree maintenance services to help reduce California's carbon footprint as we are salvaging a number of trees from California cities and public agencies which have been lost during storms, disease, or normal senescence. After the necessary removal, we are recycling this wood into useable urban lumber. Our recycling program has since transformed into our own Street Tree Revival. This urban wood offers

wood workers, furniture makers, homeowners, and DIY'ers a story unlike any other found in a lumber yard or furniture store as they've been saved from our local City streets.

Through a partnership with Woodhill, in Ontario, CA, beautiful wood slabs and other wood related products are available for sale



Danny Mahoney, John Mahoney, and Andy Trotter from West Coast Arborists

at our California locations in Stockton, Ontario and Placencia.

For more information, visit our website, Facebook and/or Instagram accounts:

Streetreerevival.com
[Facebook.com/streetreerevival](https://www.facebook.com/streetreerevival)
[instagram.com/STREETTREEREVIVAL/](https://www.instagram.com/STREETTREEREVIVAL/)



REMOVE



REPLANT



TRACK



MILL



DRY

REMOVE

We remove damaged, dead, or hazardous trees from local cities.

REPLANT

Our goal is to replant two trees for every tree that we remove to maintain a healthy urban forest.

TRACK

We process quality logs into urban lumber to give them a second life. Logs unfit for lumber are processed into firewood or ground into wood chips in an effort to produce zero tree waste.

MILL

Our sawmill operations are based out of our SoCal location in Ontario and our NorCal location in Stockton. Offering both live edge and dimensional lumber, our milling capacities can range from 1" to 50" in width, 4' to 17' in length and 1/4" to 12" in thickness. Mobile sawmill services are also available in both locations.

DRY

Kiln drying allows the wood to dry evenly while both stabilizing and sterilizing the lumber. It can greatly reduce drying defects in hard to dry species and increases yield.



MEETING SCHEDULE 2019

Remember to email Lucas.Mitchell@cityofrc.us with your reservation

PRESIDENT
 Emina Darakij
 1044 Prospect Blvd
 Pasadena, CA 91103
 626/792-0586

PAST PRESIDENT
 Ann Hope
 JJ Mauget
 5435 Peck Rd
 Arcadia, CA 91006
 626/321-2473

VICE PRESIDENT
VACANT

SECRETARY
 Lucas Mitchell
 City of Rancho Cucamonga
 8794 Lion Street
 RC, CA 91730
 909/477-2730

TREASURER
 George Olekszak
 Tree Pros
 15077 La Palma Dr
 Chino, CA 91710
 909/548-0033

DIRECTORS
 Ted Lubeshkoff
 JTL Consultants
 952 Buena Vista Street
 Duarte, CA 91010
 626/358-5690

Rachel Malarich
 KYCC
 1319 W. Pico Blvd.
 Los Angeles, CA 90015
 213/365-7400

Adrian Sanchez
 City of Los Angeles
 1149 S. Broadway
 Los Angeles, CA 90015
 213-847-3070

MEMBERSHIP
 Kevin Holman
 714/412-5348

SCHOLARSHIP
 Al Remyn
 714/538-3821

MAILING ADDRESS
 Street Tree Seminar, Inc.
 P.O. Box 6415
 Anaheim, CA 92816-6415
www.streettreeseminar.com
 714/639-6516

May 22	Pests and Tree Care for 2019, Dr. John Kabashima	JJ Mauget Co Arcadia, CA
July 18	Summer WTMS	Kellogg West Pomona, CA
Aug 28	Exceptional Tree Tour, Donald R. Hodel	LA Arboretum Arcadia, CA
Oct 23	Who We Were and Who We Are– Hosted by Dudek	TBD Pasadena, CA
Dec 18	Scholarship Awards Luncheon	Kellogg West Pomona, CA

Interested in hosting a program in your community? We are interested in hearing from you! Contact heather@streettreeseminar.com

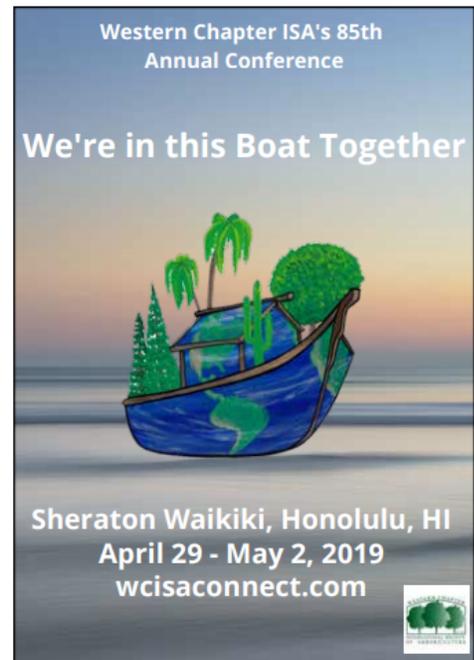
INDUSTRY EVENTS

April 29-May 2, 2019
 WCISA Annual Conference Honolulu, HI
www.wcisaconnect.com

May 9, 2019
 UCCE/CalFire ISHB/GSOB Workshop
<https://ucanr.edu/survey/survey.cfm?surveynumber=27027>

May 16, 2019
 SCA- ANSI Z133 Safety Standards & Procedures
 Bi-Lingual
<https://www.sca-trees.org/sca-and-the-z>

June 27, 2019
 WCISA– Working with Cranes with Senna Tree
<https://wcisa.net/meeting/5764>



MISSION

"To provide a forum for professionals to share their experience, knowledge and expertise for the benefit of the membership and the enhancement of Southern California's Urban Forest".



Street Tree Seminar is your
 Los Angeles / Orange
 County Regional
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VISION

"To enhance the health and beauty of Southern California's Urban Forest".