



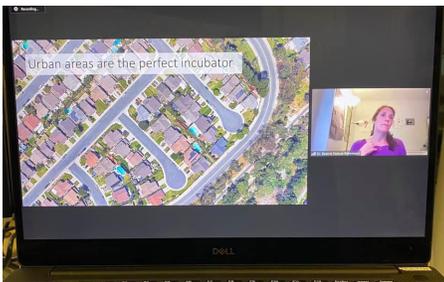
# STS NEWSLETTER

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

## Summer WTMS Symposium - Identifying & Treating Pests in SoCal

In response to the COVID 19 pandemic, we took our summer symposium online for 2020. We had a great turnout of over 100 people on July 23, 2020.

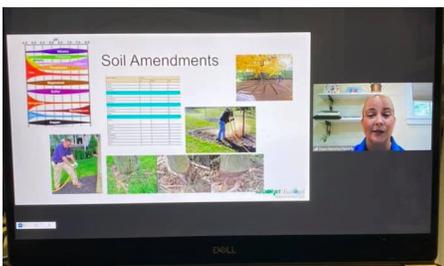
**Southern California Emerging Tree Pests: What to look out for,**  
Dr. Beatriz Nobua-Behrmann, UC Cooperative Extension



Emerging tree pests are a major threat to the trees in Southern California. Particularly, several species of invasive insects are causing severe damage -and even death- to thousands of

trees, both in the urban forest and in natural areas. This presentation will provide an overview of some of the most damaging emerging tree pests in Southern California. We will cover how to identify the pests and/or their infestation symptoms, what kind of damage they cause, and what are the best management practices recommended to control them.

*Bio: Dr. Beatriz Nobua-Behrmann is a University of California Cooperative Extension advisor for Orange and Los Angeles Counties, specialized in Urban Forestry. Her research background is in insect-plant interactions. She got her Ph.D. in insect ecology and her B.S. in Biology from the University of Buenos Aires, in Argentina. Beatriz's research and extension program is focused on finding appropriate management strategies for urban forest pests that affect Southern California's trees, like the Invasive Shot-Hole Borer beetles and the Gold-Spotted Oak Borer.*



**The Importance of micronutrients for trees – Dawn Fluharty,**  
Arborjet

Micronutrients are key building blocks for healthy trees. As we know, trees that are

healthy are less susceptible to diseases and pests. There are

more ways to accomplish health trees than by just adding micronutrients to the soil to. We will look at an integrated approach for making plants healthy utilizing tree growth regulators such as ShortStop. We will also look at specific pests and diseases that are prevalent when there are insufficient micronutrients in a tree.

Dawn's take-away message is most of our trees in the urban canopy are deficient in micronutrients whether that is because of poor soil, or depleted soil, high pH conditions or use of reclaimed water. Micronutrients are important building blocks for tree growth and health. And as we know a healthy tree is less likely to be attacked by pests & disease.

*Bio: Dawn has been with ArborJet since 2011. She holds a B.S. degree in Environmental Horticulture Sciences and a minor in Soil Science Cal Poly San Luis Obispo. She is a California certified Pest Control Advisor (PCA) and maintains her Qualified Applicator License (QAL). Dawn joined the Street Tree Seminar board this year as a Director.*

**Treating Sycamore Anthracnose, Alison Herrell,** Rainbow Scientific



Sycamore anthracnose is a serious disfiguring fungal disease impacting most *platanus* species, particularly in cool damp springs. It causes 4 stages of

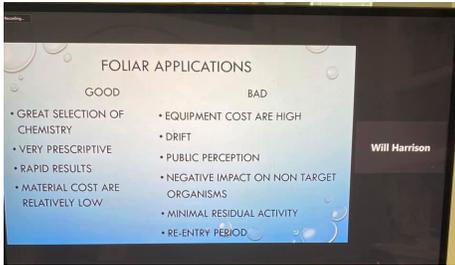
aesthetic problems (leaf, twig, bud, shoot blight) and in severe cases can cause branch dieback and tree mortality. Weighing the cost benefit and using an integrated pest management approach is important to control this pathogen. By using a combination of cultural practices (proper water, mulch, etc.), traditional foliar fungicide applications, macro infusion trunk injections of Arbotect 20S, and growth regulators such as cambistat, you can manage this pathogen to keep your *platanus* species healthy and uphold aesthetic thresholds for your clients.

*Bio: Alison provides plant healthcare protocol training and technical support for treecare and landscape companies around the*

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country. She holds a B.A. in Biology from Valparaiso University along with an M.S. in Environmental Science from Indiana University School of Public and Environmental Affairs. Alison is an ISA certified arborist with over 10 years of experience in the green industry including plant healthcare applications, research, and sales.

**Delivery systems for treating your trees, Will Harrison, Target Specialty**

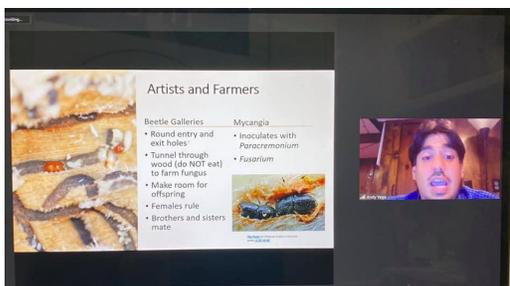


With the diverse pest problems in trees today there is a need to know, understand, evaluate and use the most efficient techniques in delivering various plant

protection materials. Treatments can range from foliar to very specialized tree injections. Using the most effective delivery system will minimize the amount of plant protection materials needed. Using the most effective delivery system also reduces the potential for problems from offsite movement of materials. Each delivery system has its benefits and problems. Discussion will be done to educate the participants so they can do their own evaluations on the best delivery system for their situation.

*Bio: Will Harrison received a BS in Agronomy from Cal Poly Pomona. He is a licensed PCA, QAL and ISA Certified Arborist. Prior to his 13 years with Target Will was an PCA for a farming corporation dealing with growers from the Salinas valley down to Baja CA MX.*

**The most BORE-ING talk of the seminar: all about Invasive Shot Hole Borers and ways to control them. Rafael Andy Vega, DPM, J.J. Mauget**



A brief history of the invasive shot hole borer; how they got here, how and why they are spreading and what can we do about

them. The invasive shot hole borer (ISHB) is, as its name implies, a “new” pest insect introduced to California. It has a huge economic impact on both urban and natural landscapes and is now impacting agriculture. This presentation will discuss how the pest was introduced and why it is causing so much damage to the industry. We will review its biology to better understand how the insect causes damage and what the latest research has discovered. Using this information, we can discuss how to exploit its

weaknesses and new and different ways to control or mitigate the damage ISHB causes. Polyphagous, kuroshio and tea shot hole borer make up the complex of 3 different ambrosia beetles (2 in CA: PSHB and KSHB) collectively known as Invasive shot hole borers (ISHB). ISHB are morphologically similar and very small in size.

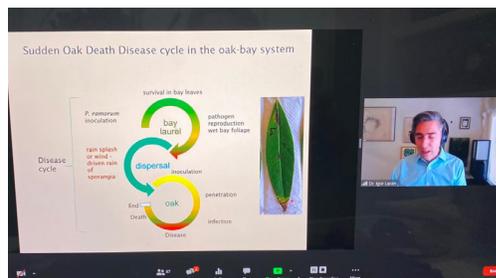
Invasive shot hole borer is associated with 3 main types of fungi that the beetles use to feed their offspring and which may cause pathogenicity or symptoms of decay in specific tree hosts.

The Invasive shot hole borer can feed on a huge number of tree hosts but requires a relatively narrow range of hosts (about 15 unique tree species) to complete their lifecycle and cause significant damage or tree death. Check ISHB.org to see updated lists of susceptible tree species.

The most effective type of control of ISHB is mostly associated with cultural practices including branch removal and solarization or chipping of limbs contaminated with ISHB. However, highly valuable trees can be treated prophylactically with insecticides and/or fungicides.

*Bio: Rafael Andy Vega is new to the J.J. Mauget team but has been helping them with research projects over the last ten years. He got his bachelor's degree in Engineering at Northeastern University in Boston and later went on to get his Doctorate at the University of Florida with the Plant Medicine Program (D.P.M). The DPM program is a multi-disciplinary program specializing in Entomology, Plant Pathology and Plant, Soil and Weed sciences. Since he graduated in 2012, he has been working with New England Fruit Consultants as a research manager and crop consultant for the tree fruit industry in Eastern NY and New England. Andy developed his interest in plant sciences working as a landscaper and later as a tropical horticulturist at Zoo New England in Boston. In addition to his work with New England Fruit Consultants and J.J. Mauget, he volunteers on his town's tree advisory committee. You might find him around town working in his garden or kicking a soccer ball around.*

**Phytophthora diseases (Really? In Southern California?), Dr. Igor Lacan, UC Cooperative Extension**



Root and crown rots, dieback, and cankers caused by Phytophthora have been a longstanding but often under-recognized

problem in cultivated landscapes, and some recent developments have made it clear that this pathogen has remained as devastating as ever and

August General Meeting



**August 27, 2020**  
**TOOLS OF THE TRADE**  
 Presented by Carl Mellinger  
 Via Zoom

Street Tree managers and arborists alike have a variety of tools that assist in detection and evaluation of trees. From hand pruners and simple mallets to a resistographs and complex spreadsheets and templates, Arborists and Urban Foresters have a bevy of tools in their tool bag to make their jobs more efficient. Join us from the comfort of your own office for an interactive look at tools that can really make a difference in your work. Carl will be showing and discussing use of Decay investigation using the Arbosonic Arbotom and new Resistograph equipment.

**PRESENTER: Carl Mellinger**

CERTIFIED ARBORIST # WE 1976A  
 TREE RISK ASSESSOR QUALIFIED  
 REGISTERED CONSULTING ARBORIST #620 (ASCA)

Carl started Mellinger Tree Service in 1984 and ran it until it was acquired by Bartlett last year - he continues his work thru Carl Mellinger Consulting, LLC. Carl is a past president of the Western Chapter and currently sits on the Britton Fund board. He was recognized as an ISA True Professional of Arboriculture in 2011 and received the Award of Merit from Western Chapter in 2009 and the President's Award in 2002. Carl loves the outdoors - spending his free time fishing and skiing.



THURSDAY  
 August 27, 2020

10:30 AM–12:30 PM

PRESENTED ONLINE  
 VIA ZOOM

\$15.00 /member  
 \$20.00/nonmember  
 (\$5.00 goes towards  
 Scholarship Fund)

1.0 CEU Available

STS, INC.

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 714.639.6516

TO REGISTER – VISIT  
[www.streettreeseinar.com](http://www.streettreeseinar.com)

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is occurring in new settings and presenting new challenges to arborists and landscape managers. In this presentation, we will start by covering the basic biology of Phytophthora, the mechanisms of infection, and the effect of Phytophthora on plants. We will then cover three examples that illustrate the importance of understanding how Phytophthora spreads, infects, and affects the plants, and what we can learn from settings different from ours: (1) "Root and crown rot" in landscape plants (Phytophthora cinnamomi & friends); Sudden oak death; and "New" Phityophthora species in nursery plants and restoration plantings. We will then transition to Phytophthora diagnosis, prevention, and management. We will examine in detail the diagnostic methods and their limits; we will discuss the paramount importance of sanitation, quarantine, and monitoring of newly-planted trees. We will also discuss chemical control methods, their efficacy, limitations, and evidence for/against chemical controls. We will conclude with practical steps that arborists and landscape managers can take to reduce the risk to their trees and landscapes, and to manage diseased trees and plants when needed.

*Bio: Dr. Igor Lacan is a University of California Cooperative Extension Advisor for the San Francisco Bay Area, specializing in urban forestry. Focusing on trees and water, Igor's research projects 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. Igor produces extension and outreach materials that transfer findings from the University to practicing arborists. Igor's academic training includes urban forestry (PhD), aquatic ecology (MS) and ecology (BS) all from the University of California, Berkeley (Go Bears!)*

TREES ARE ESSENTIAL CAMPAIGN

The coronavirus crisis has left all Californians, and many within our industry, struggling to stay afloat economically. There is not a segment of the urban and community forestry industry that has not been impacted. California municipalities have, and will continue to, cut budgets as the public health emergency continues. Urban forestry and tree maintenance budgets are being slashed for short-term savings (with greater costs later).



**These cuts impact jobs, public safety, and environmental and public health during this time of crisis** – when the services, values and benefits derived from healthy urban nature and tree canopies are truly essential to well-being. This is a time for more investment – not less. To protect your community trees it’s time for everyone (yes you) to step out & speak up!

Access to urban nature is a public and mental health necessity. Everyone is entitled to all the benefits that nature affords – no matter what their zip code.

Time to pivot. Time to redouble efforts. Time to show decision makers that **TREES ARE ESSENTIAL!** Time to speak for the trees,

and in doing so, speak for the health of your family, friends, neighbors and communities. Join the campaign!



NEW DATE FOR WESTERN CHAPTER ISA CONFERENCE

Reach your Highest Peak

86th Annual Conference & Tradeshow

November 9-12, 2020

Resort at Squaw Creek

Olympic Valley, CA

WWW.WCISACONNECT.COM





## MEETING SCHEDULE 2020

**Remember to email [chango369@hotmail.com](mailto:chango369@hotmail.com) with your reservation**

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<b>August 27</b>	Tools of the Trade– Carl Mellinger	Online
<b>October 22</b>	Building your Tool Box - Lisa Smith	Online
<b>December 17</b>	Scholarship/Officer Installation Kellogg West @ Cal Poly Pomona	Pomona, CA

Interested in hosting a program in your community? We are interested in hearing from you!  
Contact [heather@streetreeseminar.com](mailto:heather@streetreeseminar.com)

## INDUSTRY EVENTS

Street Tree Seminar, Inc. remains fully operational at this time. We have shifted our team members to working remotely following the guidelines of global health officials, but all association work is continuing. Some of our support services will be operating on reduced hours in order to focus on business continuity and operations. At this time, most face to face events have been cancelled or postponed due to COVID-19 pandemic guidelines. There are many web based options available as well. We will share those as often as possible. Stay connected on our [FaceBook page](#)

<b>Aug 21, 2020</b>	<b>PTCA - 2020 Vision for Arboriculture WEBINAR</b> <a href="http://www.ptcaosd.wildapricot.org">www.ptcaosd.wildapricot.org</a>	Online
<b>October 8-9</b>	<b>Desert Green XXIV-Looking ahead with 2020 Vision</b> <a href="http://www.desert-green.org">www.desert-green.org</a>	Las Vegas, NV
<b>Nov 9-12, 2020</b>	<b>WCISA Annual Conference</b> <a href="http://www.wcisaconnect.com">www.wcisaconnect.com</a>	Olympic Valley, CA

**Various Webinar Providers:** Western Chapter ISA [www.wcisa.net/events](http://www.wcisa.net/events); TREEFund [www.treefund.org](http://www.treefund.org); Rainbow Treecare [www.treecaescience.com](http://www.treecaescience.com); Urban Forestry Today [www.urbanforestrytoday.org/](http://www.urbanforestrytoday.org/); and Forestry Webinar [www.forestrywebinars.net/](http://www.forestrywebinars.net/)

### 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  
Forest Council**

### VISION

*“To enhance the health and beauty of Southern California’s Urban Forest”.*