



Monday - January 22, 2018

9:00 - 10:00 am

“The Cost of Not Maintaining Trees” - Jess Vogt, PhD

Summary:

This talk will present a summary of the costs of maintenance and lack of maintenance for types of tree care commonly included in municipal budgets (planting, pruning, removal, pest and disease management) and briefly review costs associated with less-studied types of tree care (including tree risk management, watering, and other types of maintenance). We suggest that future research and practice should keep track of not only who performs maintenance and the cost of doing maintenance (as might be done in municipal budgets and contractor invoices), but also how the frequency, intensity, duration, and extent of tree maintenance activities is connected to the structure, function and benefits of trees.

Speaker Bio:

Jess Vogt is an Assistant Professor in the Department of Environmental Science and Studies at DePaul University (Chicago IL), where she runs LUFA, the Lab for Urban Forestry in the Anthropocene (www.lufa-depaul.org). She received her Ph.D., MPA, and M.S. from the School of Public and Environmental Affairs at Indiana University (Bloomington IN), and a B.A. from Lawrence University (Appleton WI).

10:45 am - 12:00 pm “The Trees' documentary and presentation about the National September 11th Memorial in New York City” - Wayne Dubin

Summary:

Filmed over the course of five years, *The Trees* documents the journey of over 400 Swamp White Oaks from their temporary home in New Jersey to the World Trade Center Memorial Plaza. Through the stories of those who design, plan, and construct the Memorial, *The Trees* explores the evolution of one of the world’s most innovative “green” roof gardens. The film shows public reaction to this lasting, yet ever-changing memorial to the victims of the September 11th attacks. A visual meditation on seasonal changes and the possibility of rebirth, *The Trees* asks how we memorialize and remember. There will be discussion over the hurdles, techniques, and methods involved in the realization of the project.



Speaker bio:

Wayne Dubin currently serves as Vice-President and Division Manager for New Jersey and New York (excluding Long Island) managing six offices and twenty-seven Arborist Representatives. He has a successful track record in sales for over thirty-five years.

Mr. Dubin is the current President of the NJ Shade Tree Federation, Vice-Chair of the NJ Community Forestry Council, is a Past President of the NJ Arborists, Chapter ISA, the NJ Green Industry Council, and is a NJ Certified Tree Expert. He is also the Bartlett Tree Experts representative to the ANSI A300 committee.

Tree Worker Session

1:15 - 4:15 pm

“Climbing Techniques and Utility Lines” - Aaron Feather

Summary:

This climber session will review safe work practices when utility lines are located in proximity to the trees.

Speaker bio:

Aaron Feather is a Certified Arborist working for Cumberland Valley Tree Service & Landscaping. Aaron is a Certified Treecare Safety Professional with the Tree Care Industry Association.

Utility Arborist Session

1:15 - 2:45 pm

“Know Your Chemistry and What it is Capable Of” - Todd Hagenbuch

Summary:

This session will discuss chemical treatments and knowing what the chemicals being used are capable of. The to discuss multiple modes of action and help participants better understand soil active chemistry.understand soil active chemistry.

Speaker bio:



Todd Hagenbuch is a Vegetation Management Specialist and Sales Manager for Arborchem Products. With over 20 years of experience in vegetation management, Todd is often asked to speak on the matter. He works with state and private agencies to assist in their weed and brush management needs.

Municipal Arborist Session

3:00 - 4:15 pm "Big Trees Matter: Evidence of i-Tree" - Jason Henning, PhD

Summary:

This session will take a look at inventory information collected through the use of i-Tree and how that information has been utilized in management decision making.

i-Tree is a state-of-the-art, peer-reviewed software suite from the USDA Forest Service that provides urban and rural forestry analysis and benefits assessment tools. The i-Tree tools can help strengthen forest management and advocacy efforts by quantifying forest structure and the environmental benefits that trees provide.

Since the initial release of the i-Tree Tools in August 2006, thousands of communities, non-profit organizations, consultants, volunteers and students around the world have used i-Tree to report on individual trees, parcels, neighborhoods, cities, and even entire states. By understanding the local, tangible ecosystem services that trees provide, i-Tree users can link forest management activities with environmental quality and community livability. Developed by USDA Forest Service and numerous cooperators, i-Tree Tools are freely available. The U.S. Forest Service, Davey Tree Expert Company, National Arbor Day Foundation, Society of Municipal Arborists, International Society of Arboriculture, and Casey Trees have entered into a cooperative partnership to further develop, disseminate and provide technical support for the suite.

Speaker bio:

Jason Henning is a Research Urban Forester with the Davey Institute in a collaborative position with the USDA Forest Service, Philadelphia Urban Field Station. Jason's responsibilities include engaging in research efforts,



supporting communities in the application of the i-Tree suite of tools, and communicating the science of urban forestry to diverse audiences. Jason's background includes a Ph.D. in Forestry and an M.S. in Statistics. His work has focused on teaching and research in quantitative forestry. He has been the project manager for multiple forest resource inventories in urban and natural settings.

Plant Health Care
1:15 - 2:45 pm

"Oak Wilt Update" - Bruce Fraedrich, PhD

Summary:

Information on oak wilt (*Ceratocystis fagacearum*). Identification, treatment, and impact will be discussed on this fungal threat to oak trees.

Speaker bio:

Dr. Fraedrich is the Vice President of the Bartlett Tree Research Laboratories in Charlotte, NC.

3:00 - 4:15 pm
Swackhamer

"The Invasive Spotted Lantern Fly: What Do We Know" - Emelie

Summary:

The Spotted Lanternfly (*Lycorma delicatula*) was first discovered in eastern Pennsylvania in 2014. This talk will describe the life cycle of the insect, the impact it is having on trees, crops, and landscapes. It will highlight research efforts and share fact sheets that you can use to teach others about SLF.

Speaker bio:

Emelie Swackhamer has served as an extension educator for 22 years. She delivers programming for the commercial green industry, and consumer horticulture audience. She has been on the educational front line of the local spotted lanternfly invasion since the beginning.

Banter Sessions
4:45 - 5:45 pm

Session 1: Tree Climbing Competitions & ITCC



Discussion over the techniques, tips, tricks, and training used by top competitors to compete at local and international tree climbing competitions.

Session 2: Contracts with Municipalities

Forum of contractors and municipal representatives about the process of local government tree care contracts.

Session 3: Street Tree Survival

Discussion over the ability of tree plantings to endure the unique stressors that the urban forest places on them.

Tuesday - January 23, 2018

9:00 - 10:00 am

'Genetic Diversity in the Urban Forest' - Phil Gruszka

Summary:

Plantings in the urban landscape have suffered from a lack of diversity. Mr. Gruszka and Dr. Cynthia Morton studied London Plane trees and Red Maple species as compared to several cultivars. Their studies focused on genetic variabilities in the urban landscape, specifically how to determine them. This information leads the arborist to understanding why genetic diversity is important.

Speaker bio:

Mr. Gruszka advises the Conservancy and the City of Pittsburgh on horticultural and ecological issues facing Pittsburgh's parks. He is a graduate of the University of Illinois, BS Forestry, the Davey Institute of Tree Sciences, has 40 years' experience in the tree planting and maintenance, managing historic landscapes, and is an International Society of Arboriculture Certified Arborist. Mr. Gruszka leads in testing trees for genetic diversity, maximizing biodiversity and developing management plans which qualify the City of Pittsburgh and Allegheny County for federal grants to mitigate tree losses.

Tree Worker Session

10:15 - 12:15 pm

"Crane Safety & Regulations" - Peter Nieves-Sosa and Mike Teti



Summary:

Cranes can be a valuable tool in arboriculture when used properly and safely. This session will discuss proper site selection, establishing a safe work zone, and recognizing limitations unique to working with a crane in tree care operations.

Speaker bio:

Peter Nieves-Sosa is the owner and operator of The Crane Man, Inc. Peter has many years working with cranes, specifically in the tree care industry. He is also the driving force behind the Crane Safety Climber School that has taught many arborists from far and wide about safe work practices with cranes in tree care operations.

Mike Teti is an arborist with Giroud Tree & Lawn Service. He is involved with the tree climbing competitions and the Crane Safety Climber School.

Plant Health Care Session

10:15 - 12:15 pm

“Calibration of Equipment / Material Handling & Storage”

- Todd Hagenbuch and Koby
Cutchall

Summary:

This will be a review of the proper calibration techniques for keeping pesticide application equipment operating properly to ensure correct chemical applications and how to safely handle and store chemicals.

Speaker bio:

Todd Hagenbuch is a Vegetation Management Specialist and Sales Manager for Arborchem Products. With over 20 years of experience in vegetation management, Todd is often asked to speak on the matter. He works with state and private agencies to assist in their weed and brush management needs.

Koby Cutchall was born and raised in south central Pennsylvania. He attended Penn State University and graduated with an Associate's degree in Forest Technology in 2009. Koby started his career with Asplundh



Tree Expert Company as a work planner. He served in this position for five years before transitioning to a general foreman. Koby worked as a general foreman for two and a half years before taking a position with Arborchem Products in January of 2017. Koby is currently the shop manager for Arborchem. Some of his responsibilities are to ensure

products are blended and shipped out to customers in a timely manner, answer technical questions from customers, assist customers in ordering parts and equipment, and supervise daily safety operations at the facility. Koby is an ISA certified arborist. Koby is an active member of ISA and Mountain Lake Vegetation Management Council.

Business Session
10:15 - 12:15 pm

“Traffic & Work Zone Safety” - ATSSA

Summary:

This course addresses work zones in more populated and congested areas, particularly the considerations (substantive safety) necessary to address work zones in urban environments. These environments may involve restricted spaces, parking issues, limited sight distance, business access, pedestrian, ADA, and bicyclist considerations. This course addresses instances when standards cannot be met and how to address these situations on urban streets.

General Session
1:30 - 2:45 pm

“Pittsburgh’s Urban Forest” - Matt Erb

Summary:

Soar through Pittsburgh's trees with this presentation that examines the structure and function of Pittsburgh's urban forest and how it is managed by a complex mix of municipal, non-profit, utility, commercial, volunteer and many more stakeholders including EAB and HWA. This presentation will explore reforestation efforts fueled by a hyperlocal tree nursery collecting seed and growing trees on a former brownfield. How and Urban Forest Master Plan can pull people together using science. And finally how we are using more science to track Emerald Ash Borers and developments impacts on the canopy of the City.

Speaker bio:

53rd Annual Shade Tree Symposium
Penn-Del Chapter of the ISA
January 22-23, 2018



Matt Erb is the Director of Urban Forestry for Tree Pittsburgh. In this role, he manages many of Tree Pittsburgh's urban forestry programs, including the implementation of the Urban Forest Master Plan.