

54th Annual Penn-Del Chapter Shade Tree Symposium

February 11 - 12, 2019

Monday, February 11th

General Sessions

8:30 AM - 9:00 AM Opening Ceremony

Description: Flag ceremony, officer and past president parade / ceremony, and opening remarks.

9:00 AM - 10:00 AM Arboriculture Biomechanics

Dr. Brian Kane

Description: How arboricultural practices like pruning, cabling, and rigging affect the mechanical performance of trees, and thus, their likelihood of failure

Speaker Bio: Dr. Kane is the Massachusetts Arborists Association Professor of Commercial Arboriculture at the University of Massachusetts - Amherst. he has published over fifty scholarly papers, most of which have considered topics in arboricultural biomechanics and tree worker safety.

CEU's:

Pest Ed:

10:15 AM - 11:15 AM Urban Tree Mortality

Dr. Lara Roman

Description: Urban tree mortality and growth are fundamental components of urban forest models and population projections. Survival and growth also serve as performance metrics for city planting programs. My research focuses on urban forest population dynamics – the cycles of urban tree planting, growth, death and removal – with statistical analysis tools from demography and epidemiology. Mortality and growth studies are essential to sustainably manage urban forest resources, and accurately project population changes from urban planting campaigns, and associated ecological functions and services

CEU's:

Pest Ed:

Speaker Bio: Lara Roman is a Research Ecologist with the US Forest Service,

Northern Research Station, Philadelphia Field Station. She studies the temporal dynamics of urban forests, including tree mortality and growth, canopy cover change, historical development of urban forests, species composition change, and citizen science monitoring. Her studies take a participatory research approach, collaborating with practitioners for study design and implementation. She has been funded by the National Socio-Environmental Synthesis Center, the TREE Fund, the Garden Club of America, the Sacramento Municipal Utility District, and the Schwabacher and Berkeley Fellowships. She received a PhD at the University of California, Berkeley, and a Bachelors in Biology and Masters of Environmental Studies from the University of Pennsylvania. Roman is currently the chair of the Urban Tree Growth & Longevity (UTGL) Working Group, an affiliate of the International Society of Arboriculture, and she serves on the Citizen Science Core Team of the Forest Service. Through the UTGL, she is also leading the development of standard protocols for urban tree monitoring.

11:30 AM - 12:30 PM Drones in Arboriculture

Description: Small Unmanned Aircraft Systems, or drones, have moved from a toy to a tool in today's world. From standard imaging of trees and forests to spectral imaging in which tree species, health, pests, and stressors can be identified. This session will discuss the possibilities available through the use of drones.

CEU's:

Pest Ed:

Speaker Bio: Dan is a FAA Certified Remote Pilot. He studied Environmental Horticulture and Urban Forestry at the University of California, Davis under Greg McPherson. He also studied Urban Planning at the University of Washington under Marina Alberti, including specializing in Urban Ecology with a 1-year program of study under a National Science Foundation IGERT (Integrative Graduate Education and Research Traineeship) grant.

12:30 PM - 1:45 PM Lunch

Trade Show Floor

Monday Afternoon Break-Out Sessions

Tree Worker

1:45 PM - 2:45 PM How Cabling Effects Trees

Dr. Brian Kane

Description: The impact of different cabling systems on trees. Benefits and drawbacks of the different systems as well as proper applications.

CEU's:

Speaker Bio: Dr. Brian Kane is the Massachusetts Arborists Association Professor of Commercial Arboriculture at the University of Massachusetts in Amherst, MA. he is an ISA Certified Arborist and Tree Climber Specialist who started climbing trees professionally in 1989. He has published over 30 scholarly papers and is the Chairperson for the ISA's Nominating and Elections Committee. Dr. Kane's professional focus includes tree biomechanics and tree worker safety.

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3:00 PM - 4:00 PM Preventing Incidents & Aerial Rescues Don Coffey

Description: Planning for incidents doesn't begin at the job site briefing. It occurs well before the crew steps foot on site. Proper pre-planning should occur at all levels of the production process and continue until the crew is safely home. Find out how the simple steps can decrease the frequency of incidents or potential rescues.

CEU's:

Speaker Bio: Don Coffey started his climbing career 20+ years ago, cutting his teeth on local outcrops of rock. He took his passion for climbing and applied it to work at height becoming a climbing arborist some 15 years ago. He has instructed countless advanced climbing and rigging trainings throughout the country, penned many articles for leading arboricultural magazines, and co-authored TCIA's Best Practices for SRT in Arboriculture.

Utility / Municipal

1:45 PM - 2:45 PM Live Wires Demo Alex Brown

Description: Working around utility lines is dangerous and something that should not be taken lightly. Alex Brown will demonstrate the effects of coming into contact with wires while working in the tree industry.

CEU's:

Pest Ed:

Speaker Bio: Alex Brown works as Manager of Vegetation Management for PECO, an Exelon Company, in Philadelphia PA. He has oversight of the maintenance of vegetation along 13,000 miles of distribution, and 1,000 miles of transmission rights-of-way in southeastern Pennsylvania. Alex has approximately 15 years of experience in utility vegetation management, and a further 10 years of experience in natural resources management. Alex earned a bachelor's degree in Forestry from the University of Aberdeen, Scotland, and an HND in Horticulture from Askham Bryan College, England. He is an ISA Certified Arborist, an ISA Certified Utility Arborist, and an ISA Qualified Tree Risk Assessor.

3:00 PM - 4:00 PM THIS SESSION IS WAITING TO BE CONFIRMED

Description: THIS SESSION IS WAITING TO BE CONFIRMED

CEU's:

Speaker Bio:

Plant Health Care

1:45 PM - 2:45 PM Reason for Hope? - What We Learned When EAB Destroyed a Large Genetics Study of Ash Trees Dr. Kim Steiner

Description: An experimental comparison of 60 green ash and 5 white ash populations was invaded by EAB in approximately 2010, when the trees were 34 years old. At that time there were 1762 trees in the plantation, planted on a 12- by 12-ft spacing. We measured crown condition, insect exit hole numbers, and mortality annually beginning in 2012, when 2.4% of the trees had already died from EAB attack, until 2017, when mortality had reached 98.1% and only 4 trees were free of any crown dieback. Although the outcome was nearly complete devastation, the time progression of mortality and other symptoms of attack were significantly affected by species, diameter, site (field block), proximity to attacked trees, population of origin, and mother tree. Population and mother-tree (family) effects in experiments like this are considered to be genetic in origin. That some populations and families withstood crown dieback and mortality during the early years of infestation offers reason for hope that the species will survive and even eventually recover under more moderate, steady-state population levels of the insect.

CEU's:

Pest Ed:

Speaker Bio: Kim Steiner is Professor of Forest Biology at Penn State University with a research and teaching focus on the genetics, ecology, and silviculture of forest trees. Although his expertise is more in the line of forestry than arboriculture, Kim was a long-time member of Penn State's Tree Commission and in that role he drafted the university's hazard tree and Heritage Tree policies. He serves as Senior Science Adviser and Board member for The American Chestnut Foundation, and he has been an active member of the Society of American Foresters with leadership service at state, regional, and national levels. Kim is also the founding director of The Arboretum at Penn State, a project for which he and his staff have raised nearly \$30 million in private funding.

3:00 PM - 4:00 PM Disease and Pest Update

Description: THIS SESSION IS WAITING TO BE CONFIRMED

CEU's:

Pest Ed:

Speaker Bio:

1:45 PM - 2:45 PM Workers Compensation & Safety

Ed Barker

Description: Our session will consist of Commercial Insurance coverages to include Workers Compensation specific to Arborist. It will also include specific Safety issues and considerations from an Insurance companies point of view.

CEU's:

Pest Ed:

Speaker Bio: Ed Barker, CIC (Certified Insurance Counselor)
AGAI (Amerisafe General Agency Inc)
Graduate of East Stroudsburg University
US Army Ranger 1984-88
Commercial Insurance Agent specializing in construction, arborists – 29 years

Damian McCachren CHST (Construction Health and Safety Technician)
Amerisafe
Graduate of Indiana University of Pa. BS Science in Safety Sciences.
Safety Professional since 2006
Consulting and Field Safety Professional providing safety training, jobsite inspections and safety material for clients of Amerisafe.

3:00 PM - 4:00 PM Branding & Marketing Strategies

John Bartorillo

Description: The session would aim to help participants gain a broader understanding of strategies to successfully market and promote their businesses. This process would work through an evaluation of capabilities, identifying the right target audiences, and honing their messages to create impact and response in a wide variety of media outlets.

CEU's:

Pest Ed:

Speaker Bio: John has been with MLB Advertising since its inception, and is responsible for client relations, marketing, and creative strategies, as well as business development. He has worked with clients of all sizes over the span of his career and has won more than 120 advertising and design awards. John was behind the idea development of the most successful taglines and positioning statements the agency has developed for its clients. This experience has given him a broad understanding of service marketing, brand development, and advertising strategies that have benefited clients of all sizes.

4:00 PM - 6:00 PM Trade Show Open

4:15 PM - 5:15 PM Cocktail Session

Session 1 Mushroom Logs
Session 2 TREE Fund Update

Chatham
Kristin Wild

Session 3 Hemlock Woolly Adelgid Video
Session 4 Trees in Space

6:00 PM - 8:00 PM Beef & Beer Banquet

Tuesday, February 12th

General Sessions

9:00 AM - 9:15 AM Opening Remarks

9:15 AM - 10:15 AM THIS SESSION IS WAITING TO BE CONFIRMED

Description: THIS SESSION IS WAITING TO BE CONFIRMED

CEU's:

Pest Ed:

Speaker Bio:

CEU's:

Tuesday Morning Break-Out Sessions

Tree Worker

10:30 AM - 11:30 AM THIS SESSION IS WAITING TO BE CONFIRMED

Description: THIS SESSION IS WAITING TO BE CONFIRMED

CEU's:

Speaker Bio:

11:45 AM - 12:45 AM The More You Know, The Less You Need

Don Coffey

Description: Teaching the fundamentals of climbing and rigging from the start can help build a solid foundation without that ever-widening vertical distance of

help build a solid climbing arborist that can utilize minimal pieces of equipment to complete a wide range of tasks aloft and appreciate when new and innovative equipment comes on the market.

CEU's:

Pest Ed:

Speaker Bio: Donny started his climbing career 20+ years ago, cutting his teeth on local outcrops of rock. He took his passion for climbing and applied it to work at height becoming a climbing arborist some 15 years ago. He has instructed countless advanced climbing and rigging trainings throughout the country, penned many articles for leading arboricultural magazines, and co-authored TCIA's Best Practices for SRT in Arboriculture.

Utility / Municipal

10:30 AM - 11:30 AM Utility & Vegetation Management With Drones & Lidar Dan Stanley

Description: THIS SESSION IS WAITING TO BE CONFIRMED

CEU's:

Pest Ed:

Speaker Bio:

11:45 AM - 12:45 AM i-Tree 2018 Software Suite DRG

Description: Update on i-Tree software. Overview of new tools, applications, and uses.

CEU's:

Pest Ed:

Speaker Bio:

Plant Health Care

10:30 AM - 11:30 AM Spotted Lantern Fly Update Sarah Jean Wurzbacher

Description: THIS SESSION IS WAITING TO BE CONFIRMED

CEU's:

Pest Ed:

Speaker Bio:

11:45 AM - 12:45 AM Pesticide Safety

Description: THIS SESSION IS WAITING TO BE CONFIRMED

CEU's:

Pest Ed:

Speaker Bio:

Business / Commercial

10:30 AM - 11:30 AM There's an App for That

Josh Behounek

Description: There are millions of apps and technology is changing at a breakneck pace. The iPhone has barely been around 10 years yet and we can't imagine a life without a smartphone. As arborists we are trained in the field of Arboriculture not in Technology. This presentation will demonstrate to the commercial arborist and city forester how they can utilize technology to make their lives easier and more productive. We will cover web-based tools, mobile applications, software, hardware, and trends. So bring your smartphone, tablet, laptop, watches, etc. and let's learn how to best utilize them!

CEU's:

Pest Ed:

Speaker Bio:

12:45 PM - 2:00 PM Lunch

Trade Show Floor

General Sessions

2:00 PM - 3:00 PM Trees of Steel

Mat Erb

Description: THIS SESSION IS WAITING TO BE CONFIRMED

CEU's:

Pest Ed:

Speaker Bio:

3:15 PM - 4:15 PM Developing Tree Species Cultivars

Mike Leisher

Description: The latest tree species and how they are developed for modern arboriculture and the landscape.

CEU's:

Pest Ed:

Speaker Bio: Mike Leisher is a sales representative for J Frank Schmidt and Son Company, a 3,000 acre tree nursery in Boring, Oregon. They specialize in producing shade and ornamental trees for landscapes and municipal street tree plantings. The nursery produces plants in a variety of packages including bare root, B&B, container grown and root control bags, and is known for their innovative and forward thinking development of new tree varieties and cultivars. Mike has been with JFS for 30 years and has been involved in the nursery industry since his graduation from Michigan State University in 1981, where he earned a Bachelor's of Science in Ornamental Horticulture. Mike currently lives in Titusville, Pennsylvania with his wife Linda.