

OHIO URBAN FORESTRY PROGRAM'S 2020 CONFERENCE SERIES

Wednesday, September 2nd [Register Day 1](#)

9:00 A New Method to Compensate for Tree Loss: How Many Trees Do You Owe Me?

Dr. David Nowak, USDA Forest Service

10:30 The Future of Urban Forestry – Keynote Presentation

Dr. David Nowak, USDA Forest Service

Wednesday, September 9th [Register Day 2](#)

9:00 Urban Forestry through Partnership: Programs and Opportunities with The Morton Arboretum and Other Botanical Gardens

Dr. Nicole Cavender, The Morton Arboretum

10:30 Escape from the Garden: How Callery Pear Has Moved into Our Natural Areas and What We Can Now Do About It

Dr. Theresa Culley, University of Cincinnati

Wednesday, September 16th [Register Day 3](#)

9:00 Managing Impacts of Emerald Ash Borer: Progress on Resistant Trees and Insecticide Treatment

Dr. Kathleen Knight & Dr. Jennifer Koch, US Forest Service

10:30 Restoring American Elm to Urban Forests

Dr. Cornelia Pinchot & Dr. Charles Flower, US Forest Service

Thursday, September 17th [Register Day 4](#)

1:00 PM Creating a Culture of Safety

Roy Montan, Davey Tree Experts

2:30 PM The Value and Benefits of Arborist Certification and TRAQ for Municipalities

Dr. Bill Fountain, University of Kentucky

Wednesday, September 23rd [Register Day 5](#)

9:00 Restoring Tree Equity for Health, Wealth, and Climate Response

Sarah Anderson, American Forests

10:30 What Makes a Quality Urban Forestry Program?

Results of N Ohio Tree City USA Community Interviews

Alan Siewert, ODNR Division of Forestry



URBAN FORESTRY
Growing Quality Programs

SINCE 1979

MARK YOUR CALENDARS!

| September 2020 | | | | | | |
|----------------|-----|-----|-----|-----|-----|-----|
| SUN | MON | TUE | WED | THU | FRI | SAT |
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| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | | | |

KEYNOTE SPEAKER

Dr. David Nowak,
Senior Scientist
i-Tree Team Leader
USDA Forest Service

SPECIAL GUEST

Sarah Anderson
Tree Equity
American Forests

REGISTER BY AUG 31ST

[Click here to register on-line](#)
Link will step you through each day

PROUDLY PARTNERING WITH
THE USDA FOREST SERVICE
TO PROVIDE OHIO'S REGIONAL
URBAN FORESTRY CONFERENCES
VIRTUALLY IN 2020





URBAN FORESTRY
Growing Quality Programs
SINCE 1979

OHIO URBAN FORESTRY PROGRAM'S 2020 CONFERENCE SERIES

Wednesdays in September from 9 AM to 12 PM
With Special Afternoon Session on Thursday the 17th

VIRTUAL

Enjoy from your favorite chair with your favorite beverage

Dear Friends and Colleagues,

Join us for learning, fellowship, and exploration with the Ohio Urban Forestry's *first* virtual conference. Although we'd love to get everyone together, this is the safest way to bring you cutting-edge presentations from some of the world's foremost experts in their field. You won't want to miss this event!

We are especially excited to bring this event to you for
FREE!

[Click here to register by Monday, August 31st, 2020](#)

Note: Make sure to register for each day!

Can't join us live? Register anyway!

A link to recorded presentations will be available to everyone who registers

Earn Continuing Education Units* (only offered with [live viewing](#) on day of program)



10 Certified Arborist
10 Municipal Specialist
6 BCMA-Management
4 BCMA-Science
1 Utility Specialist, TW-Climber, & TW-Aerial Lift
*Certificate of Attendance for other credits



3 SAF Cat I CFEs per session

CALLING ALL

Tree Commissioners
Mayors
Administrators
Public Foresters/Arborists
Community Managers
Safety-Service Directors
Township Trustees
Commissioners
Green Industry
Professionals, Arborists, &
Consultants
Everyone involved in public
tree management

Questions? Contact your Regional Urban Forester

| | | |
|-----------------|---------------------------------|---|
| Region 1 | Lisa Bowers | Lisa.bowers@dnr.ohio.gov , 614-670-2626 |
| Region 2 | Ann Bonner | Ann.bonner@dnr.ohio.gov , 614-670-2630 |
| Region 3 | Alan Siewert | Alan.siewert@dnr.ohio.gov , 440-591-8914 |
| Region 4 | Steph Miller | Stephanie.miller@dnr.ohio.gov , 419-429-8313 |
| Region 5 | Wendi Van Buren | Wendi.vanburen@dnr.ohio.gov , 614-670-2653 |
| Region 6 | Lola Lewis | Lola.lewis@dnr.ohio.gov , (614) 670-2572 |



ABOUT US

Ohio's Urban Forestry Program was created in 1979 within the [Ohio Department of Natural Resources](#) to promote trees as tools to enhance the quality of life within *all* Ohio communities. Our purpose is to provide community officials and allied agencies with the organizational and technical ability to effectively manage their trees along streets, within parks, and on public grounds. Through this program, we envision an improved quality of urban life for all Ohio communities. We believe this can only be achieved when comprehensive urban forestry programs are integrated and on par with other community services.

Our statewide network of regional urban foresters helps communities manage your urban forest resources to meet your local needs. Our strategies include direct assistance, organizational and technical support, grants, and educational programming including our annual conferences (which we hope to offer again regionally in 2021.) We truly believe that creating a connected network of individuals & groups who are dedicated to promoting healthy, safe, & functioning urban forests helps communities step closer to reaching your management goals.

Watch soon for our new website with updated Urban Forestry Toolbox!

Wednesday, September 2, 2020

A New Method to Compensate for Tree Loss: How Many Trees Do You Owe Me?

Dr. David J. Nowak, Senior Scientist, i-Tree Team Leader, USDA Forest Service

9:00 AM – 10:00 AM

When healthy trees are removed, common methods of compensation are either monetary or replanting new trees. Accurate monetary compensation for large, healthy trees is difficult to ascertain and often uses formulas based on tree attributes such as species, size, location, and condition. Compensation based on leaf area is more direct as most tree values are related to healthy leaf area. Using leaf area, a tree compensation rate can be determined (how many new trees are needed to compensate for the removal of a healthy tree). However, compensation also needs to consider the future benefits provided by both the removed tree and newly planted trees. This presentation discusses a new method of tree compensation based on comparing the net present value of leaf area between a removed tree and planted replacement trees.

Keynote Presentation: The Future of Urban Forestry

Dr. David J. Nowak, Senior Scientist, i-Tree Team Leader, USDA Forest Service

10:30 AM – 11:30 AM

Urban forests are constantly changing and will face various threats in the coming years. This presentation will discuss various forces of change, projections of urban forest change, and 10 things that urban foresters, tree commissions, and arborists could do to help urban forests become more relevant to society. Enhancing the relevance of urban forests will be essential to sustaining these forests and their ability to improve human health and well-being.



Dr. David Nowak joins us from Syracuse, New York. He received a B.S. and M.S. from SUNY College of Environmental Science and Forestry, and a Ph.D. from the University of California, Berkeley. His research investigates urban forest structure, health, change, and its effect on human health and environmental quality across the world. Dr. Nowak has authored over 325 publications and leads teams developing the i-Tree software suite that quantifies the benefits and values from vegetation.

<https://www.nrs.fs.fed.us/people/dnowak>

Wednesday, September 9, 2020

Urban Forestry through Partnership: Programs and Opportunities with The Morton Arboretum and Other Botanical Gardens

Dr. Nicole Cavender, Vice President of Science and Conservation, The Morton Arboretum, Lisle, Illinois

9:00 AM – 10:00 AM

Dr. Nicole Cavender will share programs led by the Morton Arboretum that contribute and support urban forestry, including resources developed through the [Chicago Region Trees Initiative](#), [the Plant Clinic](#), [ArbNet](#), and other Arboretum channels. Learn about how these resources that may be helpful in your local community forestry work.



Dr. Cavender works to strengthen Morton Arboretum's leadership and activities in tree science and conservation. She supports the arboretum's service to the public to improve the health of the urban forest in the Chicago region, protect threatened tree species around the globe, facilitate technology transfer to industry and the public, and provide professional leadership to the world's arboreta. She has responsibility for planning, strategic direction, program integration, fund raising, and external relations. Prior to 2012, Dr. Cavender was chief programmatic officer at The Wilds, a large conservation center in southeastern Ohio, where she also led the development and activities of its restoration ecology program. She earned her BS in Environmental and Plant Biology from Ohio University and PhD in Horticulture and Crop Science from The Ohio State University.

Escape from the Garden: How Callery Pear Has Moved into Our Natural Areas and What We Can Do About It

Dr. Theresa Culley, Professor & Department Head, Biological Sciences, University of Cincinnati
10:30 AM – 11:30 AM

The Callery pear tree (*Pyrus calleryana*) is now firmly established as a problematic invasive species in many states, including Ohio. The spread of this ornamental tree occurred because of cross-pollination between different cultivated varieties with seeds spread by native and introduced birds. Dr. Culley will explore the history of this species in the United States, review the most effective treatment measures today, and use the Callery pear as a lesson to prevent invasion of other similar horticultural species.



Dr. Theresa Culley is a plant biologist who is fascinated by how plants become invasive. Always one to try to satisfy an innate curiosity about the natural world, she joined UC in 2002 as an Assistant Professor after earning her PhD in Evolution, Ecology, and Organismal Biology (EEOB) at The Ohio State University in 2000 and her BS in Biological Sciences from the University of California, Irvine. While at University of Cincinnati she became captivated with invasive species, especially understanding why the common ornamental tree known as the Callery pear would suddenly start to spread from cultivation after so many decades of “behaving” in residential and commercial landscapes.

Dr. Culley is past president of the Ohio Invasive Plants Council, where she now heads their Invasive Plant Assessment Team. She also serves on the Invasive Plant Advisory Committee for the Ohio Department of Agriculture, which regulates invasive species in the state and serves on the Board of Directors of the Midwest Invasive Plant Network (MIPN). She is currently collaborating with the Morton Arboretum on a communication platform for gardens and arboreta across North America to share information on introduced plants now escaping cultivation. <https://culleylab.com/>

Wednesday, September 16, 2020

Managing Impacts of EAB: Progress on Resistant Trees and Insecticide Treatment

Dr. Kathleen Knight, Research Ecologist & Dr. Jennifer Koch, Research Biologist
USDA Forest Service, Northern Research Station, Delaware, Ohio

9:00 AM – 10:00 AM

The emerald ash borer (EAB) has killed ash trees in forests and urban areas across the United States. Scientists are working on ways to combat this invasive pest, reduce its impacts, and preserve ash species. Learn about the latest progress on breeding ash trees for resistance to EAB, a promising long-term strategy. Find out what factors affect the success of insecticide treatment to protect trees from EAB.

Authors: Kathleen Knight, Jennifer Koch, Charles Flower, Therese Poland, Rachel Kappler, Mary Mason, David Carey, Aletta Doran, Brian Hoven, Timothy Fox



Dr. Kathleen Knight is a Research Ecologist for the USDA Forest Service Northern Research Station. She studies impacts of invasive pests and diseases and provides management options to reduce impacts of these threats to forests and trees. Her research currently focuses on ash and American elm. Dr. Knight earned her PhD in Ecology, Evolution, and Behavior from the University of Minnesota and BA in Biology and Music Performance at Hiram College. <https://www.nrs.fs.fed.us/people/ksknight>



Dr. Jennifer Koch is a Research Biologist for the USDA Forest Service Northern Research Station. Her research uses genetics to address forest health issues. She leads the programs to breed ash trees with resistance to emerald ash borer and beech trees with resistance to beech bark disease. Dr. Koch is a graduate of Wittenberg University and received both an MS and PhD in Molecular Genetics at The Ohio State University. <https://www.nrs.fs.fed.us/people/jkoch>

Restoring American Elm to Urban Forests

Dr. Cornelia (Leila) Pinchot, Research Ecologist & Dr. Charles Flower, Forest Ecophysiologicalist
USDA Forest Service, Northern Research Station, Delaware, Ohio

10:30 AM – 11:30 AM

The US Forest Service's (USFS) Delaware Forestry Sciences Laboratory has been breeding American elm for resistance to Dutch elm disease for over twenty years. Recently, the program has been expanded to test some of their best American elm genotypes in urban settings in the Midwest and Northeast. This presentation will describe both the American elm breeding program and efforts to restore this species to urban forests. Co-authors: Kathleen Knight, Stephen Matthews, Vince D'Amico, Tara Trammell, Alex Fotis, Dale Lessor, Christian Marks, and James Slavicek



Dr. Leila Pinchot's current research focuses on the restoration and reintroduction of iconic tree species, including American chestnut and American elm. Specifically, she studies how to reintroduce tree species to working landscapes in the context of larger management objectives. Dr. Pinchot earned her PhD in Natural Resources from the University of Tennessee, MS in Forestry from the Yale School of Forestry and Environmental Studies, and a BS in Biology from Oberlin College.

<https://www.nrs.fs.fed.us/people/corneliapinchot>



Dr. Charlie Flower is a Forest Ecophysiologicalist interested in the impacts of disturbances on forest ecosystems. His current research focuses on understanding elm pathogens, cultivating Dutch elm disease tolerant American elm trees, and restoring the iconic American elm across forest ecosystems. Dr. Flower earned his PhD in Biological Sciences from the University of Illinois at Chicago, MS in Ecology, Evolution and Organismal Biology from The Ohio State University, and BA in Biology and History at Lake Forest College. <https://www.nrs.fs.fed.us/people/charlesflower>

Thursday, September 17, 2020

Creating a Culture of Safety

Roy Montan, Senior Regional Safety Specialist, Davey Tree Expert Company, Kent, Ohio

1:00 PM – 2:00 PM

Safety First, Second, and 4-Life: Learn what every community and company should be doing to ensure the safety of its employees, customers, and citizens. What things should we, as clients, expect to see tree workers doing? Are there things we can do to promote safe working environments with our hiring or contracting practices? Roy will share many practical and everyday things we all can do to foster a culture of safety in urban forestry and the tree care industry.



Roy Montan is passionate about safety in the tree care industry. He has inspired thousands of arborists and tree care professionals to make safety a top priority. Roy has been in the arboriculture industry for over 30 years and served as a safety specialist for the past 15. He holds many titles including Certified Tree Safety Professional, Certified Flagger Trainer, Forklift Operator Trainer, UTV Operator Trainer, American Red Cross Instructor, lead of the Davey First Aid Program, and qualified OSHA course instructor. Roy is a proud member of the City of Dover, Ohio Shade Tree Committee, Boy Scout troop leader, and father of four children.

The Value and Benefits of Arborist Certification and TRAQ for Municipalities

Dr. William Fountain, Ext. Professor of Arboriculture & Landscape Management, University of Kentucky
2:30 PM – 3:30 PM

More communities are exploring and investing in their staff becoming International Society of Arboriculture (ISA) Certified Arborists as a means to better manage and care for their public tree resource. Increased interest in the ISA Tree Risk Assessment Qualification® offers an additional level of management resource for communities. The TRAQ program has been around for over a decade and it is quite a time and financial investment for individuals obtaining this credential. Is it worth resources in these

times of cutbacks and other challenges to municipalities? Who benefits from the Certified Arborist and TRAQ credentials? Are they good investments for our community? What else can communities do to reduce potential tree-related risk?



Dr. Fountain has been on the faculty at the University of Kentucky Department of Horticulture since 1979. He is a TRAQ instructor and an instructor for the Tree and Plant Appraisal Qualification. He is a Board Certified Master Arborist and an ASCA Registered Consulting Arborist (#594). Though he is not from Ohio, he has strong roots here with 7 grandchildren in the Buckeye state and a wife (Cindy) who is a native buckeye. He is owned by a Sheltie named Willow and a Nova Scotia Duck Tolling Retriever named Sassafra. <https://www.uky.edu/hort/people/william-fountain>

Wednesday, September 23, 2020

Restoring Tree Equity for Health, Wealth, and Climate Response

Sarah Anderson, Senior Manager, Tree Equity Programs, American Forests

9:00 AM – 10:00 AM

Research shows significantly less tree cover on public right-of-way in neighborhoods with higher black, low-income, and renter populations. Join this session to learn about the factors that have contributed to the current state of inequitable tree canopy cover in most U.S. cities, and the solutions American Forests is equipping urban forestry stakeholders with to address the issue. When we all work together to achieve Tree Equity, we can ensure everyone reaps the many benefits of trees for health, wealth, and climate response.



Sarah Anderson's work focuses on equipping urban forestry stakeholders to build and retain a diverse, qualified, and representative workforce. Previously, she ran Lillie Leaf Solutions, LLC, a consulting firm that helped urban greening stakeholders address equity, access, inclusion, and justice in their work. Sarah's experience includes developing and administering national urban forestry programs, managing constituent engagement for urban tree and city park associations, and facilitating local and national conferences.

<https://www.americanforests.org/why-it-matters/social-equity/>

What Makes a Quality Urban Forestry Program? Results of Northern Ohio Tree City USA Community Interviews

Alan Siewert, Regional Urban Forester, Ohio Division of Forestry

10:30 AM – 11:30 AM

In 2019 Ohio's Urban Forestry Assistance Program celebrated their 40th year serving Ohio's communities. As part of this celebration, Alan Siewert spearheaded a study of northern Ohio's Tree City USA communities. Utilizing tree canopy measurements, demographics, and TCUSA reporting statistics, Alan explored what management components are critical to the success of an urban forestry program. Preliminary results are surprising in some respects and validating in others. As the United States looks to the future of urban forestry in the world of ever-increasing pressures and competition for public resources, this exercise is sure to shed valuable light on where our industry must focus.



Alan Siewert is an accomplished speaker and educator known for his sense of humor and out-of-the-box approach to practical urban forestry. Alan earned a Bachelor of Science degree in Forestry with an urban emphasis from the University of Wisconsin-Stevens Point in 1984 and has been with the division since 1990. He was one of the first International Society of Arboriculture Board Certified Master Arborists and he is also a Municipal Specialist and Tree Risk Assessment Qualified. He is past president of Ohio Chapter ISA, helped develop ISA's certification program, was awarded a lifetime membership from ISA, co-founded the Ohio Independent Arborist Association (OIAA,) and helped start ISA's triennial International Tree Biomechanics Research Week.