

<b>THURSDAY, OCTOBER 26, 2023</b>			
8:00-8:30	Registration & Morning Coffee with Exhibitors		
8:30-9:00	Opening Program – <i>NJSTF President Pam Zipse, NJ State Forester Todd Wyckoff</i>		
	<b>GENERAL EDUCATION SESSION</b>	<b>NJUCF CORE</b>	
9:00-10:00	<i>“How to Read a Tree” - Dr. Jason Grabosky</i>	<i>reserved seating only</i>	
10:00-10:30	Coffee Break with Exhibitors		
10:30-11:30	<i>“Trees Do Not Read Textbooks: Woody Stories of Black Swans, Persistence, and Great Longevity” - Dr. Neil Pederson</i>	<i>NJUCF Core Training-continued</i>	
11:30-1:00	Lunch & Federation Awards Presentations		
1:00-2:00	<i>“Tough Trees for Tricky Places” - Scott Beuerlein</i>	<i>NJUCF Core Training-continued</i>	
2:00-2:30	Coffee Break with Exhibitors		
	<b>MUNICIPAL TRACK</b>	<b>LTE/LTCO TRACK</b>	<b>NJUCF CORE</b>
2:30-3:30	<i>“The Role of Trees in Municipal Stormwater Management” Multi-Speaker Session</i>	<i>“Pesticide Regulatory and Safety Update: Storage and Spills” Patricia D. Hastings</i>	<i>NJUCF CORE Training - continued</i>
3:30-4:30	<i>“Designing Effective Tree Ordinances” Alex Hancock</i>	<i>“2023 Dead Tree Review: The View from Rutgers Plant Diagnostic Lab” Dr. Richard Buckley</i>	<i>NJUCF Core Training-continued</i>
4:30-6:00	<b>MEET &amp; MINGLE - NEW FOR 2023!</b> Networking Event with Exhibitors & Speakers		

Dinner on your own

## FRIDAY, OCTOBER 27, 2023

8:00-8:30	Registration & Morning Coffee with Exhibitors		
8:30-9:00	Opening Program – <i>NJSTF Vice President Neil Hendrickson</i>		
	<b>GENERAL EDUCATION SESSION</b>	<b>SPANISH TRACK</b>	
9:00-10:00	“Smart Tree Planting”- <i>Pam Zipse</i>	“Pesticide Basics Part I” <i>Pedro Perdomo</i>	
10:00-10:30	Coffee Break with Exhibitors		
10:30-11:30	“Old Growth Forests are so Much More Than Big Trees”- <i>Dr. Neil Pederson</i>	“Pesticide Basics Part II” <i>Pedro Perdomo</i>	
11:30-1:00	Lunch & NJUCF Award Presentations		
	<b>MUNICIPAL TRACK</b>	<b>LTE/LTCO TRACK</b>	<b>SPANISH TRACK</b>
1:00-2:00	“NJ Urban & Community Forestry Program Guidelines” <i>Brian McDonald</i>	“Soil Health and Carbon Sequestration for Ecosystem Health” <i>Dr. Stephanie Murphy</i>	“Proper Tree Planting” <i>Lisa Simms and Dr. Raul Cabrera</i>
2:00-2:30	Coffee Break with Exhibitors		
2:30-3:30	“Municipal Case Studies: Tree Programs” <i>Multi-Speaker Session</i>	“Making Landscapes That Matter” <i>Scott Beuerlein</i>	“Pruning Young Trees for Proper Future” <i>Gary Lovallo and Erika Cherry</i>
3:30-4:30	“NJ Urban & Community Forestry Panel of Success Stories and Review” <i>Multi-Speaker Session</i>	“Diagnostics For Dummies” <i>Mark Ware</i>	“Ornamentals & Landscape Trees” <i>Erika Cherry</i>

## NJUCF Community Representative (CORE) Training

Concurrent, full-day training, see details on page 9  
THURSDAY, OCTOBER 26, 2023

- 8:30-9:00**            **Introduction & Check-In**  
NJ Forest Service
- 9:00-9:30**            **NJ Urban & Community Forestry Program: What is it and how does it Work?**  
NJ Forest Service
- 9:30-10:15**          **Trees 101: Structure, Function, Identification & Jargon**  
Pam Zipse, Executive Director, NJ Tree Foundation, NJ LTE #426
- 10:15-10:30**        **Coffee Break with Exhibitors**
- 10:30-11:30**        **Legal Issues in Urban & Community Forestry: Shade Tree Commissions & The Law**  
John H. Anlian, Attorney-At-Law
- 11:30-1:00**          **Lunch**
- 1:00-2:00**            **Tree Risk Management: Why Trees Fail, Defects, Targets & Assessments**  
Dr. Jason Grabosky, Director, Rutgers Urban Forestry Program
- 2:00-2:30**            **Coffee Break with Exhibitors**
- 2:30-3:30**            **Tree Planting & Maintenance: From Planning to Practice**  
Lisa Simms, Green Streets, NJ Tree Foundation
- 3:30-4:30**            **Elements of a Successful Urban & Community Forestry Program: Management**  
NJ Forest Service
- 4:30**                    **Meet & Mingle with Exhibitors & Speakers in the Exhibit Hall**

Core training provided through a USDA Forest Service grant in partnership with



USDA is an equal opportunity provider, employer, and lender

## CONFERENCE SESSIONS

**“How to Read a Tree” - Dr. Jason Grabosky** “Reading a tree” is shorthand for organized observation for the purpose of explaining or rationalizing some action or reaction. There is no “one correct way” of completing this process. This presentation will outline some organizational considerations. We all do this on some level to better understand the specific landscape tree before crafting the best questions or available responses within industry standards and best management practices. So, it is worth taking a moment to consider this step in a way applicable to the volunteer and the professional alike. I’ll be dividing the tree into health observation then structure. The presentation will emphasize the observation of health/condition with ties to the mechanical in this presentation since our management tools assume the ability of the tree to have a longevity to provide benefits for the management investment, or lack thereof, when proposing a specific tree management or community forest management response.

**“Trees Do Not Read Textbooks: Woody Stories of Black Swans, Persistence, and Great Longevity” - Dr. Neil Pederson** We are told many stories in our lives. The Moon is made of cheese, for example. Observations, experiments, and studies shows that some of these stories are not based on the best data. The Moon is not, apparently, made of cheese. Since my first classes and some of my last classes on trees and forests, I have learned similar lessons. No, not that the Moon is not made of cheese. More, I have learned that trees and, ultimately, forests do not live and change in ways I was taught in years ago. Many Moons have passed as I have learned from the rings of trees. We have learned that climatic extreme impact our forests in ways I was not fully able to imagine. We have learned that broad generalizations of various species do not fully hold true, particularly in conditions that they can tolerate or in how long they can live. During this talk I will give a range of examples supporting the contention that trees do not read textbooks.

**“Tough Trees for Tricky Places” - Scott Beuerlein** The trees in this talk are survivors. They laugh at incorrect planting technique, scoff at mulch volcanoes, mock bad pruning cuts, and smirk at poor maintenance practices. They ask for poor soil. They taunt droughts. Sure, some of the usual suspects, but also a bunch you probably don't know or didn't realize. But this is not just a typical “list of trees” talk. Some of the suggested trees will prompt sidetrail conversations into various long-held and sacred tree planting concepts and might just challenge a few of them.

**“The Role of Trees in Municipal Stormwater Management”- Multi-Speaker Session** Trees provide social, economic, and ecological benefits. This multi-speaker, interactive session explores how trees function as stormwater interceptors and their usefulness as municipal stormwater management tools. We’ll learn the latest on how green infrastructure is changing the designs of our cities to capture runoff more efficiently and learn the importance of

municipal stormwater management in NJ. The new regulations for municipal separate storm sewers systems (MS4) Tier A permits in NJ require adoption and enforcement of an ordinance to control tree removal and replacement to reduce stormwater runoff and pollutants, and to promote infiltration of rainwater into the soil. With the due date on this requirement rapidly approaching at the end of this year (12 months after the Effect Date of Permit Authorization 01/01/2023), it's important for us to understand how the management of trees and water are intertwined in our NJ municipalities.

**“Pesticide Regulatory and Safety Update: Storage and Spills” - Patricia D. Hastings** Planning to have a pesticide spill is the best strategy to avoid them. Storage area design and security will be covered, as well as inspecting for spills waiting to happen. Tips for choosing spill supplies for your operation, and container management in storage and vehicles will be highlighted. All Commercial and Private pesticide applicators licensed in the state of New Jersey must comply with Department of Environmental Protection (NJDEP) regulations for pesticide storage and spills. The session will cover key topics like “reportable spills”; and storage inventory and annual fire department notification; and information required to be reported to NJDEP when a spill is reportable. All attendees will receive a Rutgers “toolkit” of template forms for licensed applicators to use to meet minimum reporting requirements. This includes annual notification inventory and cover letter; and pre-formatted ‘spill report cards’.

**“Designing Effective Tree Ordinances” - Alex Hancock** Tree ordinances, codes, and policies are tools you can use to help your urban forest thrive, but are you using them to their greatest capacity? As the State of New Jersey updates stormwater and environmental requirements, municipalities are tasked with assessing their existing tree ordinances to see how they measure up, but this is also a great opportunity for an ordinance tune-up. Alex Hancock, Urban Forestry Consultant at PlanIT Geo, will help unravel the red tap around effective, enforceable tree ordinances. Alex will share her team’s approach to updating tree ordinances using industry standards, comparable cities, state requirements, and city goals. Learn more about this proven planning framework for managing ordinance reviews and updates to ensure that urban forest policies created today build towards beneficial outcomes for decades to come.

**“2023 Dead Tree Review: The View from Rutgers Plant Diagnostic Lab” - Dr. Richard Buckley** This one-hour lecture will focus on new and unusual, or otherwise really cool, diseases and insect pests that pose a threat to New Jersey’s urban forest. Updates on current invasions and problems coming our way will be included. Each insect or disease will be profiled to include pathogen or pest biology and ecology, symptom diagnosis, scouting and monitoring techniques, and current concepts in integrated control that includes all cultural, biological, and chemical management strategies.

**“Smart Tree Planting” - Pam Zipse** There is a lot of excitement about planting trees to combat climate change these days...but the trees must survive, and grow, in order to serve this purpose. In this session Pam will share some thoughts and insights from the New Jersey Tree Foundation about planting smart, and not getting caught up in chasing money, but planting at a reasonable and measured pace that will help ensure tree establishment and survival.

**“Old Growth Forests Are So Much More Than Big Trees” – Dr. Neil Pederson** When we envision old-growth forests, we likely imagine big trees that overwhelm our notion of being human. Redwoods or Giant Sequoias likely come to mind. While big trees are fascinating and wondrous, they can be, as some would say, a destination rather than the process of being old growth. Old-growth forests represent time. Time immemorial. An amount of time that us humans, even with our extended lifespans, cannot imagine. What happens over these millennia? We are just starting to learn. Much like I alluded to during my previous talk, old trees are more capable than we would suppose. Trees are not humans. With time and that capability, we are learning that old trees form forests that can not only take in atmospheric carbon, but lock it away for centuries. With this talk I will provide a global tour of some of the oldest forests I have been fortunate to visit and study (Do not always expect big trees). I will then give an overview of what we have learned about tree growth and carbon accumulation.

**“NJ Urban & Community Forestry Program Guidelines” - Brian McDonald** New Jersey Urban & Community Forestry (NJUCF) Program will provide an overview of the new Community Forestry Management Plan (CFMP) Guidelines and an outline of new requirements.

**“Soil Health and Carbon Sequestration for Ecosystem Health” - Dr. Stephanie Murphy** Soils are the basis for terrestrial ecosystems, supporting the primary producers that provide sustenance to the rest of the ecosystem food web. The diversity, vigor, and resiliency of the ecosystem – whether natural or managed - depends to great extent on the condition of the underlying soils. A major factor in establishing a healthy soil is soil organic matter, and humified soil organic matter is a huge reservoir of sequestered carbon, though one that has been depleted through many human practices. Therefore, management practices that reverse that trend and contribute to building soil organic matter not only promote healthier tree growth and health but also serve to draw down carbon dioxide from the atmosphere. Current research and understanding of soil organic matter dynamics and soil health relationships to sustainable ecosystem management will be discussed, and best management practices for sustainable urban forestry emphasized.

**“Municipal Case Studies: Tree Programs” – Multi-Speaker Session** New Jersey is a Home Rule state. Each town is unique, but we hold enough similarities to make understanding how our neighbors operate helpful. In this session we’ve invited four speakers from

different New Jersey communities to explain key components of their town's successful shade tree programs. In a series of back-to-back mini presentations: Liz Stewart gives us tips and tricks on effectively communicating with residents. Howell explains how their dedicated Howell Tree Fund functions. Chris Schorr dives into how the Friends of Madison Shade Trees 501c3 operates. And John Linson shows us strategies for successful tree/sidewalk management. Get your notebook ready because we're sure to walk away with ideas we can use to build and strengthen our hometown shade tree programs.

**"Making Landscapes that Matter" – Scott Beuerlein** Surprisingly off kilter and frequently funny, this talk wanders off on a rambling journey connecting natural history and human nature with the evolution of gardens and landscapes. From that foundation, it then explores how landscapes, and particularly which elements within them, best fulfill basic human needs, thereby creating beautiful and useful spaces which offer maximum comfort and well-being.

**"NJ Urban & Community Forestry Panel of Success Stories and Review" – Multi-Speaker Session** The New Jersey Forest Service has a strong commitment to Urban and Community Forestry and has provided millions of dollars in grants to participating municipalities. In this panel discussion, we will hear from several municipalities who will share their thoughts, difficulties, successes, and lessons learned in implementing their grant maintenance programs, from implementing an inventory, pruning, removals, and scheduling. These short presentations followed by time for Q&A with the panel will provide attendees with valuable insights on how to enhance their local community forestry programs.

**"Diagnostics for Dummies" - Mark Ware** The process of diagnosing diseases of trees can be very bewildering at times, with many outcomes possible. Which is the right one? Diagnostics is much less intimidating if you follow a systematic process, starting from the soil and the base of the tree and work your way upwards. The branching pattern of the tree itself can provide a model you can use to map out all the information about the diseases of trees local to any area of the world you live and work in. Lets get "back to basics" and reinforce and learn the important practice of diagnosis why it is so critical when attempting management of tree and shrub health.

**Pesticide Basics Part I & II - Pedro Perdomo** These Spanish language presentations for the day will cover the basics of pesticide training. First, we will briefly talk about the laws that govern the use of pesticides as the foundation for understanding the risk and benefits of pesticides. We will then turn to the label and discuss the different sections and information that can be gathered from the label, such as the use of Plant Protection Equipment (PPE) for all types of applications including the mixing, loading, spraying and storage. We will also

cover where to get the label and SDS to get additional information and what are the first aid steps that should be taken in case of a spill or contamination by the pesticide product.

**“Proper Tree Planting” - Lisa Simms & Dr. Raul Cabrera.** Bilingual presentation. Tree planting is not a timed sport. A little care while planting will go a long way toward tree survival. This session will cover the critical basics of proper tree planting to ensure survival - finding the root flare, planting at the proper depth, removing the packaging, and watering. We will discuss why this is important and how to do it properly. In addition, we will cover urban tree species choices, caring for staged trees, the different types of trees to plant, and tree planting accessories

**“Pruning Young Trees for Proper Future” – Gary Lovallo & Erika Cherry** This bilingual session will focus on the basics of structural pruning beginning with some common terms, basic anatomy, young tree pruning for good structure, pruning types, repairing poor nursery stock by salvaging and obvious defects to avoid. The how, when, where, & why of professional pruning of trees which will set the stage for the future growth and safety of what you will learn. This session will also provide the attendees with information needed when taking the LTE & LECO exam. EVERY TREE STARTS AT THE NURSERY.

**“Integrated Pest Management in Trees and Shrubs” - Erika Cherry** In this one hour Spanish language talk Erika breaks down the question “What is IPM?” and takes us through the components of IPM programs including pest identification and symptoms, monitoring, action guidelines and thresholds, and management methods. This talk focuses on Tree and Shrub Diseases and Insect Pests. We’ll gain a baseline of understanding in abiotic and biotic disorders, the disease triangle, and an overview of diseases and insects common in trees and shrubs so we can effectively identify and address tree and shrub issues through appropriate control strategies.



**NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF STATE PARKS, FORESTS & HISTORIC SITES  
URBAN & COMMUNITY FORESTRY PROGRAM  
NJUCF ACCREDITATION: TRAINING & EDUCATION  
at the**

**SHADE TREE FEDERATION CONFERENCE:**

Completion of the NJDEP Urban & Community Forestry (NJUCF) Program's education and training requirements is one step toward attaining or maintaining NJUCF Annual Accreditation. NJUCF Accredited communities have access to grant funding for the implementation of their NJUCF approved Community Forestry Management Plan (CFMP), and a basis to reduce or eliminate liability associated with local tree care programs and shade tree commissions in accordance with the [New Jersey Shade Tree and Community Forestry Assistance Act \(N.J.S.A. 13: 1L-17.1 et. seq.\)](#) . For more details on the NJUCF program, accreditation, and development of a Community Forestry Management Plan go to [www.communityforestry.nj.gov](http://www.communityforestry.nj.gov).

If you are unsure of whether to attend **CEU Sessions**, and/or **NJUCF Community Representative (Core) Training**, please reach out to your municipal or county shade tree representative to ask about your community's needs for attaining/maintaining NJUCF Annual Accreditation.

**NJ Urban & Community Forestry Program Continuing Education Units (CEUs)**

- NJUCF CEUs provide a permanent record for the state and local governments regarding the education and training of the volunteers and employees engaged in urban and community forestry. NJUCF CEUs build a community's urban forestry knowledge bank and provide more advanced learning opportunities to inform and guide the practice of urban and community forestry throughout the state.
- **NJUCF Accreditation** requires a minimum of eight (8) CEUs between at least two (2) individuals per municipality or county be earned annually. Any individual, whether they have attended core training or not, can earn CEUs on behalf their municipality/county

**NJUCF CEU Sessions at the SHADE TREE FEDERATION CONFERENCE:**

- Attendance at the general and concurrent sessions provide maximum ten **(10) CEUs for two days**, or **five (5) CEUs per day**, per person.
- You must list **the Municipality or County\*** you intend to support on your conference registration form. **\*NJUCF CEUs may not be applied to multiple municipal records**
- Attendees must stay for the entire session, complete any and all required paperwork, and scan into/out of the room in accordance with conference host/usher instructions to receive CEUs for each session (**no exceptions**).

## **NJ Urban & Community Forestry Program Community Representative (CORE) Training**

NJUCF Community Representative (CORE) Training is an introduction to urban and community forestry in New Jersey covering the basics from science, the law, management, and funding of trees and community forest programs throughout the state. This Training is for individuals interested and engaged in the stewardship of their urban and community forest and the trees that populate it; Shade Tree Commissioners, board or committee members, municipal or county employees, and anyone with an interest in trees, forestry, environment/ecology, and community sustainability.

- **NJUCF Accreditation** requires annual retention of at least two (2) NJUCF Core Trained Community Representatives per municipality/county.
  - One (1) person must be a municipal/county employee, and one (1) person must be a shade tree commission member, board member, or volunteer from the municipality/county working with the tree resource.
    - An elected official may be substituted in either the core trained employee or volunteer role.

### **NJUCF Community Representative (Core) Training at the SHADE TREE FEDERATION CONFERENCE: FULL-DAY SESSION HELD CONCURRENTLY ON CONFERENCE DAY 1, THURSDAY OCTOBER 26, 2023**

Certificate of Completion provided to those who: register, stay the entire day, complete all required paperwork, and scan into/out of the room in accordance with conference host/usher instructions (**no exceptions**)

**\*\*\*\*There are NO CEUs provided for NJUCF (Core) Training\*\*\*\***