

*Tree Care Symposium*

# Practices to Ensure Great Trees

Presented by Lewis Ginter Botanical Garden

**Agenda, Thursday, March 23, 2017**

Professional Development credit hours are indicated in green

- 8:30 am**                      **Coffee and Registration**
- 8:45**                              **Welcome and Opening Remarks**
- 9:00**                      **1.0**                      ***Urban Nature: Human Nature***  
**Peter Del Tredici, Arnold Arboretum, Harvard University**  
Urban ecosystems are the ultimate manifestation of the dynamic conflict between humans and nature—between our desire for neat, orderly landscapes on the one hand and our fear of messy ecological chaos on the other. This presentation will focus on the plants that grow spontaneously in cities and their remarkable tolerance of their stressful environmental conditions. Cities can be considered “novel” ecosystems that reflect the fusion between the large-scale processes of urbanization and globalization. For better or worse, the spontaneous vegetation in our cities is as cosmopolitan as its people and, quite frankly, better adapted than the native species that historically grew there. In the era of shrinking municipal maintenance budgets, people need to develop new strategies for managing spontaneous urban vegetation that recognizes its significant ecological contributions in terms of temperature reduction, stormwater management, erosion control, wildlife habitat, and pollution mitigation. Essentially, we need to stop viewing these plants as a problem and start seeing them as part of the solution for cleaning up the mess we have made of the planet.
- 10:00**                              ***Break***
- 10:15 – 11:45**    **1.5**                      ***Preparing Specifications for Planting and Establishing Trees***  
**Edward F. Gilman, University of Florida, Gainesville**  
Well executed planting projects start with appropriate design, site evaluation and tree selection. Site conditions and after care capabilities should dictate maximum tree size at planting, root ball characteristics, and suitable tree production method. Tree selection includes choosing appropriate species for the planting site based on site evaluation. The nursery stock must be inspected carefully to pick the best quality tree. Many trees are planted too deeply so they perform poorly following planting. Management of the landscape site in the early years following planting will also dramatically affect establishment rate and success of the planting.
- 11:45 – 12:45 pm**                      **Lunch**
- 12:45**                      **1.0**                      ***Writing Specifications for Maintaining and Pruning Trees***  
**Edward F. Gilman, University of Florida, Gainesville**  
Management of the landscape site in the early years following planting will dramatically affect establishment rate and success of the planting. Some treatments designed to improve health can be effective at maintaining health and extending tree life span. Others have no proven value or could be harmful if misapplied. Ed Gilman introduces you to the important factors that affect health of established and mature trees. Many of the

treatments that result in improvements in health are designed to improve conditions for root growth. Additionally, from training young trees to managing mature ones, structural pruning to guide and manage tree architecture should be the primary goal each time a tree is pruned. A well-structured tree is aesthetically pleasing, preserves the crown as it grows larger, and is long-lived.

1:45      **Break**

2:00      **1.0      *Planning for Trees: Designs and Policies that Grow Healthy Trees***  
**Maisie Hughes, Director of Design and Advocacy, Casey Trees, Washington, DC**  
The “City of Trees” is becoming even greener. Designers and engineers are transforming streets to allow the growth of massive trees. These green machines clean polluted runoff and shade streets and sidewalks, offering a host of environmental benefits. Using Washington, DC, as a case study, this presentation will explore what it takes to design urban tree spaces and policies that that work for trees. Based on the experiences of Casey Trees, this class provides you with the skills needed to successfully influence local policies and legislation through effective communications, volunteer engagement and targeting the right decision makers. The training employs innovative adult learning techniques to ensure your learning will stick.

3:00      **1.0      *What a Warming World Means for Pest Outbreaks***  
**Michael J. Raupp, Professor of Entomology, University of Maryland**  
Warming world – We will review evidence of climate and change and explore possible causes. We will see how warmer temperatures can alter ranges of pests, seasonal phenology of insects and mites, and interactions among plants, herbivores, and their natural enemies. Special emphasis will be placed on invasive species and urban heat islands.

### **Professional Development Training Hours (TO BE CONFIRMED)**

Today’s program provides 5.5 hours of training credit, endorsed by the following organizations

**Virginia Nursery and Landscape Association**  
**American Society of Landscape Architects**  
**Virginia Society of Landscape Designers**  
**Mid-Atlantic Chapter-International Society of Arboriculture**