

**New Jersey American Society of Landscape Architects Education Foundation
Continuing Education Program**

Meadow Lakes Retirement Community and Arboretum
300 Meadow Lakes, East Windsor, NJ

April 18, 2018, 9:00 - 2:30

Ensuring Great Designs Become Great Landscapes

MORNING SESSION –

8:30 – 8:50 AM Registration – *coffee & pastries*

8:50 AM Welcome and Introductions –

9:00-10:00 AM - The Beginning: Healthy Soils Ensures Healthy Plants: *Dr. Neil Hendrickson
Northeast Regional Technical Representative. Bartlett Tree Research Laboratories.*

This discussion will present basic site assessment considerations prior to planting including soil volume, density, drainage, organic matter content and chemistry. Emphasis will be placed on assessment techniques and remediation options. Species considerations for high stress soils will be presented.

Learning objectives:

Objective 1 Understand current best practices for evaluating existing site conditions prior to the selection of plant materials

Objective 2 Learn about possible remediation practices that have been developed for various sites

Objective 3 Experience 'in the field' site conditions and a range of tree species on the Meadow Lakes campus

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Speaker: Dr. Neil Henderson degrees are in forestry: a BS from Cook College/Rutgers University, an MS from University of New Hampshire and a PHD from Yale University School of Forestry and Environmental Studies. He spent several years on the faculty of natural resources at Simon Fraser University, British Columbia, and for thirty years since has been a practicing arborist. At the R.A. Bartlett Tree Research Laboratory since 2000, he conducts research, provides technical support, and does numerous lectures and workshops. He is a Certified Arborist, NJ Licensed Tree Expert, ISA Certified Tree Risk Assessor and a member of the Society of American Foresters.

10 :00 -10:10 AM - Break - *Coffee and doughnuts*

10:10 - 11:10 AM - The Execution: Planting Techniques to Ensure First Year Survival and Long Term Plant Health. *Dr. Bruce Fraedrich. Plant Pathologist Bartlett Tree Research Laboratories*

This discussion will explore root ball issues, planting from Yale University planting depth, planting techniques and irrigation considerations to ensure plant establishment and continued health.

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Learning objectives:

Objective 1 Understand why establishing the optimal growing conditions, within the first year, is critical to the survival of all new plantings

Objective 2 Incorporate current best practices for the plant selection and planting techniques on Landscape Plans and within Specifications

Objective 3 Apply research findings to ensure the healthy and strong structural development of plant materials

Speakers: Dr. Bruce Fraedrich degrees are biology, forestry and plant pathology: a BA in biology from Newberry College, a Masters in Forestry (M.F.) from Duke University and a Ph.D. in plant pathology from Clemson University. He has been at the R.A. Bartlett Tree Research Laboratory since 1975, starting as a plant pathologist and is now a vice-president. His key areas of responsibilities are diseases of woody landscape plants and tree risk management.

11:15 - 12:15 - Beyond the First Year: Ensuring the Design will Attain Expectations.

Drs. Hendrickson and Fraedrich will “tag-team” this discussion of soil management, irrigation, mulches and pruning beyond the first year to ensure a sustainable landscape. Emphasis will be placed on industry standards and best management practices to develop sound specifications for plant management.

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Learning objectives:

Objective 1 Learn from case studies how planting practices can positively, as well as negatively, impact the success of a project

Objective 2 Understand how current planting practices are evolving as environmental conditions are changing, such as adjustments to the Plant Hardiness Zone Map, etc.

Objective 3 Consider how best to incorporate current planting practices into the various design projects to ensure optimal growth, safe structural development and success of all plant materials

Speakers: Dr. Neil Hendrickson and Dr. Bruce Fraedrich
See speaker bios in above courses.

12:15 Lunch

AFTERNOON Voluntary Tour –

1:00 - 2:30 The Arboretum at Meadow Lakes: Joe Greipp, Arboretum Director

Join Joe for a walking tour of Meadow Lakes Arboretum to discuss the Arboretum's top performing plants and discuss mature tree management on the Arboretum.

2:30 - Adjourn

***3 Hours of Continuing Education Approved for Credit**