Learning Objectives

**You’ll be able to:**

- **Identify** the social, economic, and health benefits of trees.
- **Explore** the effects of using native versus non-native trees in design.
- **Consider** tree placement and the lifespan of trees when designing sites.
- **Understand** root myths and learn how compaction can affect trees.
- **Evaluate** strategies for achieving balance between the tree environment and construction site goals.
- **Learn** about protecting trees from threats to their health.

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**Presented by John Palmer**

The Scientific, Economic, and Aesthetic Benefits of Trees

- Physical benefits
- Environmental benefits
- Social benefits
- Health benefits

If Trees Could Talk – The Secrets of Healthy, Mature Trees

- Biology and anatomy
- Soil
- Roots
- Oxygen
- Stress
- Native vs. non-native

Trees Are Infrastructure: Design Elements That Appreciate

- Placement and value
- Benefits
- Deforestation By Design™
- Structural cells
- Planning vs. design
- After the job

Trees And Site Requirements: Always At Odds?

- Compaction and proctor density
- The brown infrastructure
- Screened soils: The silent killer
- Root myths
- Avoidable conflicts

Trees That Outlive Designs: After The Project Is Finished

- Trees in teacups
- Lifespan
- Soil volume
- Increasing value
- Proper structure

Threats To Trees

- Biotic and abiotic
- An ounce of prevention
- Neglect
- Computer modeling risks

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**Charleston, WV - Friday, April 12, 2019**

Learn about the scientific, economic, and aesthetic benefits of trees

Understand how biology, soil, oxygen, stress and other factors impact trees

Consider design elements that incorporate new trees plantings and design elements that preserve trees

Understand long term design impacts (sustainability, increased canopy) and additional value beyond building project lifespan

Review threats to trees and learn how to prevent these threats from damaging trees

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**Continuing Education Credits**

<table>
<thead>
<tr>
<th>Professional Engineers</th>
<th>6.5 PDHs</th>
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<tbody>
<tr>
<td>Architects</td>
<td>6.5 Continuing Ed. Hours (HSW)</td>
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<tr>
<td>Landscape Architects</td>
<td>6.5 AIA HSW Learning Units</td>
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<td>Arborists</td>
<td>ISA Approval Pending</td>
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<tr>
<td>Foresters</td>
<td>SAF Approval Pending</td>
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<tr>
<td>Contractors</td>
<td>Non-Credit Continuing Ed.</td>
</tr>
</tbody>
</table>

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Can’t Attend? Order the Manual and Audio from the Live Seminar as a Self-Study Package!

Audio recordings of this seminar are available for purchase starting at $269. See registration panel for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.
Faculty

John Palmer
PlanetCare Landscape and Arboricultural Services - Lakewood, OH

Mr. Palmer is a consulting arborist, certified by the International Society of Arboriculture, and an advanced tree risk assessor. He is an author, speaker, and trainer on subjects including The Future of Urban Forestry, DeForestation By Design™, The New Construction Paradigm, and The Leadership Laws of Nature. His focus is on trees in urban and construction environments, soil deficiencies and the importance of soils for sustainable mature trees, increasing urban tree canopies by ensuring trees live to maturity, and unsustainable landscape designs. His areas of expertise include young tree training, proper pruning and planting practices, biomechanics, soil and water management, urban forestry, tree biology, and healthy root system development. Here’s what past attendees had to say about the program and presenter John Palmer:

“Great speaker—dynamic & passionate about trees & tree science.” – Architect

“Excellent presentation & content. I especially appreciated all of the references in the material.” – Civil Engineer

Seminar Information

Four Points by Sheraton Charleston
600 Kanawha Blvd. East
Charleston, WV 25301
(304) 344-4092

Registration

• Visit us online at www.halfmoonseminars.org
• Mail-in or fax the attached form to 715-835-6066
• Call customer service at 715-835-5900

Cancellation:

Cancellations: Cancel at least 48 hours before the start of the seminar, and receive a full tuition refund, minus a $39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the self-study package. You may also send another person to take your place.

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Tuition

$289 for three or more simultaneous registrations.

How to Register

Online:
www.halfmoonseminars.org

Phone:
715-835-5900

Fax:
715-835-6066

Mail:
HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278

Complete the entire form. Attach duplicates if necessary.

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Continuing Education Credit Information

This seminar is open to the public and offers 6.5 PDHs to professional engineers, 6.5 HSW PDHs to landscape architects, and 6.5 HSW (Public Protection) continuing education hours to architects in most states, including West Virginia. Educators and courses are not subject to preapproval in West Virginia. This course is approved by the American Institute of Architects for 6.5 HSW Learning Units (Sponsor No. 1885) and the Landscape Architecture Continuing Education System for 6.5 HSW PDHs. Only full attendance can be reported to the AIA/CECs and LA/CEs.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana (License No. CE371000059), Maryland, New Jersey (Approval No. 24GP0000700), New York (NYSED Sponsor No. 55), North Carolina, and North Dakota. HalfMoon Education is deemed an approved continuing education sponsor for New York architects and landscape architects. HalfMoon Education has applied to the International Society of Arboriculture and the Society of American Foresters for course approval for their members. The applications are under review. Email doug@halfmoonseminars.org, if you want email notification of course approvals.

This seminar offers a non-credit continuing education opportunity to construction contractors. It has not been reviewed by any state contractor licensing entity for continuing education purposes. Attendance will be monitored, and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

Additional Learning

Webinar Series

National Electrical Code
• National Electrical Code, Part I
  Wed., March 6, 2019, 11:00 AM - 3:30 PM CST
• National Electrical Code, Part II
  Thurs., March 7, 2019, 11:00 AM - 3:30 PM CST
• National Electrical Code, Part III
  Fri., March 8, 2019, 11:00 AM - 3:30 PM CST

Commercial Solar Peaker Batteries
• Commercial Solar Peaker Batteries, Part I
  Wed., March 13, 2019, 11:00 AM - 3:15 PM CST
• Commercial Solar Peaker Batteries, Part II
  Thurs., March 14, 2019, 11:00 AM - 2:15 PM CST

Handling Ethical Issues in Professional Engineering Practice
• Fri., March 15, 2019, 11:00 AM - 12:00 PM CST

For more information visit: www.halfmoonseminars.org/webinars/

Structural Forensic Engineering
• Introduction to Forensic Engineering Process
  Wed., March 27, 2019, 11:00 AM - 10:00 PM CST
• Causes of Failures and the Forensic Engineering Report
  Wed., March 27, 2019, 1:30 - 3:30 PM CST
• Forensic Examination of Structures and Use in Litigation
  Thurs., March 28, 2019, 11:00 AM - 1:00 PM CST
• Foundation Damage and Repair
  Fri., March 29, 2019, 11:00 AM - 12:30 PM CST
• Assessment of Foundation Slab Damage & Repair Alternative
  Fri., March 29, 2019, 1:00 - 2:30 PM CST
• Assessment of Foundation Retaining Wall Damage & Repair Alternatives
  Fri., March 29, 2019, 1:00 - 2:30 PM CST

Foundation Damage and Repair
• Structure Loads, Soil Mechanics, Bearing Capacity and Geo-Environmental Hazards
  Thurs., March 28, 2019, 1:00 - 3:30 PM CST
• Foundation Wall Design and Construction
  Thurs., March 28, 2019, 1:00 - 2:30 PM CST
• Assessment of Foundation Slab Damage & Repair Alternative
  Fri., March 29, 2019, 11:00 AM - 12:30 PM CST

Assessment of Foundation Retaining Wall Damage & Repair Alternatives
  Fri., March 29, 2019, 1:00 - 2:30 PM CST

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Tuition

( ) I will be attending the live seminar. Single Registrant - $289.00. Three or more registrants from the same company registering at the same time - $269.00 each.

( ) I am not attending. Please send me the self-study package:

  ( ) Downloadable MP3 Audio/PDF Manual for $269.00.
  ( ) CD/Manual Package for $289.00.

( ) Please allow four weeks from seminar date for delivery.

Checks: Make payable to HalfMoon Education Inc.

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