

Agenda

Presented by John Palmer

The Scientific, Economic, and Aesthetic Benefits of Trees

- | | |
|-------------------|------------------------|
| Physical benefits | Environmental benefits |
| Social benefits | Health benefits |
| Economic 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 | Neglect |
| An ounce of prevention | Computer modeling risks |

The Tree Course:

Science, Design, and Sustainability

White Plains, NY - Friday, December 13, 2019



Halfmoon Education Inc.
PO Box 278
Altoona, WI 54720-0278

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Learning Objectives

You'll be able to:

Discuss the scientific, economic, environmental and aesthetic benefits of trees.

Describe the required elements for healthy trees, including preferred soil types, healthy root structure, and reduced environmental stress.

Identify common site conditions that challenge the survival and success of trees.

Get tips on maintaining tree health after planting and throughout the tree's lifespan.

Describe and fight threats to trees, including environmental conditions, diseases, pests and neglect.



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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 tree plantings and design elements that preserve trees

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

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

Continuing Education Credits

Professional Engineers
6.5 Continuing Ed. Hours

Architects & Landscape Architects
6.5 HSW Continuing Ed. Hours
6.5 AIA LU|HSW
6.5 LA/CES HSW PDHs

Certified Arborists
6.5 ISA CEUs (more info inside)

New Jersey Tree Experts
6.5 CEUs

Contractors
Non-Credit Continuing Ed.



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AIA
Continuing
Education
Provider

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

Crowne Plaza White Plains 66 Hale Avenue White Plains, NY 10601 (914) 682-0050	Registration 8:00 - 8:30 am Morning Session 8:30 am - 12:15 pm	Lunch (On your own) 12:15 - 1:15 pm Afternoon Session 1:15 - 4:30 pm
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Tuition
\$289 for individual registration
\$269 for three or more simultaneous registrations.
Included with your registration:
Complimentary continental breakfast and printed seminar manual.

How to Register

- 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

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. You may also send another person to take your place.

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

Distributed Batteries for Solar PV Systems

- **Distributed Batteries for Solar PV Systems, Part I**
Wed., Nov. 6, 2019, 11:00 AM - 2:15 PM CST
- **Distributed Batteries for Solar PV Systems, Part II**
Thurs., Nov. 7, 2019, 11:00 AM - 2:15 PM CST

Fire Protection and Building Codes

- **Fire Protection and Life Safety Design**
Tues., Nov. 12, 2019, 11:00 AM - 12:00 PM CST
- **Occupancy Classifications**
Tues., Nov. 12, 2019, 12:30 - 2:30 PM CST
- **Means of Egress**
Tues., Nov. 19, 2019, 11:00 AM - 1:00 PM CST
- **Fire Protection Features and Equipment**
Tues., Nov. 19, 2019, 1:30 - 3:00 PM CST

Structural Forensic Engineering

- **Introduction to the Forensic Engineering Process**
Tues., Nov. 12, 2019, 11:00 AM - 1:00 PM CST
- **Causes of Failures and the Forensic Engineering Report**
Tues., Nov. 12, 2019, 1:30 - 3:30 PM CST
- **Forensic Examination of Structures and Use in Litigation**
Wed., Nov. 13, 2019, 11:00 AM - 1:00 PM CST

Complying with ADA Standards for Accessible Design

- **Complying with State & Federal Accessibility Requirements**
Thurs., Nov. 7, 2019, 11:00 AM - 1:30 PM CST
- **Applying the 2010 & A117.1 Accessibility Standards**
Fri., Nov. 8, 2019, 11:00 AM - 1:30 PM CST

For more information and other online learning opportunities visit:
www.halfmoonseminars.org/webinars/

Continuing Education Credit Information

This seminar is open to the public and offers up to 6.5 continuing education hours to professional engineers and 6.5 HSW continuing education hours to architects and landscape architects in most states, including New York.

HalfMoon Education is deemed a New York-approved continuing education provider for engineers, architects, and landscape architects via its affiliation with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2), §69.6(i)(2), and 79-1.5(i)(2)).

This event is approved by the American Institute of Architects Continuing Education System for 6.5 LU|HSW (Sponsor No. J885) and the Landscape Architecture Continuing Education System for 6.5 HSW PDHs. Only full attendance is reportable to the AIA/CES and LA/CES. Courses approved by the AIA qualify for New Jersey architects. Visit www.halfmoonseminars.org for complete AIA/CES information under this course listing.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700). North Carolina, and North Dakota.

The International Society of Arboriculture has approved this course for 6.5 CEUs for Certified Arborists and Municipal Specialists, 5.75 CEUs for Utility Specialists, Climber Specialists and Utility Specialists, 3.25 CEUs for BCMA Management, 2.0 CEUs BCMA Science, and 1.25 CEUs for BCMA Practice.

The New Jersey Board of Tree Experts has approved this course for 6.5 CEUs.

This event offers a continuing education opportunity to construction contractors, but it has not been approved by any state with a continuing education requirement for contractors.

Registration

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How to Register		Registrant Information	
Online: www.halfmoonseminars.org		Name: _____	
Phone: 715-835-5900		Company/Firm: _____	
Fax: 715-835-6066		Address: _____	
Code:		City:_____ State: _____ Zip:_____	
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278		Occupation: _____	
Complete the entire form. Attach duplicates if necessary.		Email: _____	
		Phone: _____	
		Name: _____	
		Occupation: _____	
		Email: _____	
		Phone: _____	
Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.			
() I need special accommodations. Please contact me.			

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.	
Checks: Make payable to HalfMoon Education Inc.	
Credit Card: <i>Mastercard, Visa, American Express, or Discover</i>	
Credit Card Number: _____	
Expiration Date: _____ CVV2 Code: _____	
Cardholder Name: _____	
Billing Address: _____	
City:_____ State:_____ Zip: _____	
Signature: _____	
Email: _____	