

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

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.

The Tree Course:
Science, Design, and Sustainability
Middleburg Heights, OH - Friday, March 29, 2019



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

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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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- 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

Continuing Education Credits

Professional Engineers 6.5 CPD Hours/PDHs	Arborists 6.5 ISA CEUs (more inside)
Architects 6.5 HSW Continuing Ed. Hours 6.5 AIA HSW Learning Units	
Landscape Architects 6.5 HSW Contact Hours 6.5 LA CES HSW PDHs	



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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 Cleveland Airport 7230 Engle Road Middleburg Heights, OH 44130 (440) 243-4040	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 or the self-study package. You may also send another person to take your place.

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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 CDT
- **Commercial Solar Peaker Batteries, Part II**
Thurs., March 14, 2019, 11:00 AM - 2:15 PM CDT

Handling Ethical Issues in Professional Engineering Practice

Fri., March 15, 2019, 11:00 AM -12:00 PM CDT

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

Structural Forensic Engineering

- **Introduction to Forensic Engineering Process**
Wed., March 27, 2019, 11:00 AM -1:00 PM CDT
- **Causes of Failures and the Forensic Engineering Report**
Wed., March 27, 2019, 1:30 -3:30 PM CDT
- **Forensic Examination of Structures and Use in Litigation**
Thurs., March 28, 2019, 11:00 AM -1:00 PM CDT

Foundation Damage and Repair

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

Continuing Education Credit Information

This live lecture presentation is open to the public and offers 6.5 continuing professional development hours/PDHs to professional engineers and 6.5 HSW continuing education hours to architects in most states, including Ohio. This course offers 6.5 HSW contact hours to Ohio landscape architects. Educators and courses are not subject to preapproval in Ohio.

This seminar is approved by the American Institute of Architects for 6.5 HSW Learning Units (Sponsor No. J885) and by the Landscape Architecture Continuing Education System for 6.5 HSW PDHs. Only full attendance can be reported to the AIA/CES and LA/CES.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota. HalfMoon Education an approved Florida architect continuing education provider and is deemed an approved continuing education sponsor for New York architects and landscape architects.

The Ohio Chapter of the International Society of Arboriculture has approved this course for 6.5 CEUs for Certified Arborist and Municipal Specialist, 3.0 CEUs for BCMA-Science, 2.5 CEUs for BCMA-Practice, and 1.0 CEU for BCMA-Management.

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.

Registration

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Middleburg Heights, OH - Friday, March 29, 2019

How to Register	Registrant Information
Online: www.halfmoonseminars.org	Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip: _____ Occupation: _____ Email: _____ Phone: _____
Phone: 715-835-5900	Additional Registrants: Name: _____ Occupation: _____ Email: _____ Phone: _____ Name: _____ Occupation: _____ Email: _____ Phone: _____
Fax: 715-835-6066	Code:
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278	
Complete the entire form. Attach duplicates if necessary.	
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.

() **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.

Credit Card: *Mastercard, Visa, American Express, or Discover*

Credit Card Number: _____

Expiration Date: _____ CVV2 Code: _____

Cardholder Name: _____

Billing Address: _____

City: _____ State: _____ Zip: _____

Signature: _____

Email: _____

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