

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
Fairfax, VA - Wednesday, March 25, 2020



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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The Tree Course: Science, Design, and Sustainability

Fairfax, VA - Wednesday, March 25, 2020



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

6.5 Continuing Ed. Hours (HSW)
6.5 AIA LU|HSW

Landscape Architects

6.5 Continuing Ed. Hours (HSW)
6.5 LA CES HSW PDHs

Certified Arborists

6.5 CEUs
(more CEUs listed inside)

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

Hilton Garden Inn Fairfax

3950 Fair Ridge Drive
Fairfax, VA 22033
(703) 385-7774

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

Tuition

\$299 for individual registration

\$279 for three or more simultaneous registrations.

Included with your registration:

Complimentary continental breakfast and printed seminar manual.

Receive a reduced tuition rate of \$101 by registering to be our on-site coordinator for the day. For availability and job description, please visit www.halfmoonseminars.org.

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.

Additional Learning

Webinar Series

Designing for Climate Resilience

• Current and Anticipated Climate Effects on Structures and Communities

Thurs., Feb. 27, 2020, 11:00 AM - 12:30 PM CST

• Assessing the Impact of Sea Level Rise, Changing Temperature and Changing Weather Patterns

Thurs., Feb. 27, 2020, 1:00 - 3:00 PM CST

• Studying the Impact of Extreme Weather Events on Structures and Communities

Fri., Feb. 28, 2020, 11:00 AM - 12:30 PM CST

• Adapting Sites, Outdoor Spaces, New Construction and Existing Buildings to Withstand Extreme Weather Events

Fri., Feb. 28, 2020, 1:00 - 3:00 PM CST

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

Foundation Damage and Repair

• Design & Geo-Environmental Loading, Building Codes, Soil Properties

Wed., March 4, 2020, 11:00 AM - 12:30 PM CST

• Foundation-Slab-Wall Design and Construction

Wed., March 4, 2020, 1:00 - 2:30 PM CST

• Evaluation of Foundation-Slab Damage and Repair Alternatives

Thurs., March 5, 2020, 11:00 AM - 12:30 PM CST

• Evaluation of Foundation Wall Damage and Repair Alternatives

Thurs., March 5, 2020, 1:00 - 2:30 PM CST

Solar Photovoltaic

Project Design and Development

• Solar Photovoltaic Project Design and Development, Part I

Wed., March 4, 2020, 11:00 AM - 2:15 PM CST

• Solar Photovoltaic Project Design and Development, Part II

Thurs., March 5, 2020, 11:00 AM - 2:15 PM CST

Continuing Education Credit Information

This seminar is open to the public and offers 6.5 continuing education hours to engineers, architects, and landscape architects (HSW) in most states, including Virginia. Educators and courses are not subject to preapproval in Virginia.

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

The International Society of Arboriculture (ISA) has approved this seminar for the following CEUs: 6.5 Certified Arborist, Municipal Specialist; 5.75 Climber Specialist, Utility Specialist, Aerial Lift; 3.25 BCMA Management; 2.0 BCMA Science; 1.25 BCMA Practice.

This course offers a non-credit continuing education opportunity to contraction contractors. It has not been preapproved in any state with contractor continuing education requirements.

Attendance will be monitored, and attendance certificates will be available after the seminar for most individuals who complete the entire program. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

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 \$279. 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.

Registration

The Tree Course: *Science, Design, and Sustainability*

Fairfax, VA - Wednesday, March 25, 2020

How to Register

Online:

www.halfmoonseminars.org

Phone:

715-835-5900

Fax:

715-835-6066

Code:

Mail:

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

Complete the entire form. Attach duplicates if necessary.

Registrant Information

Name: _____

Company/Firm: _____

Address: _____

City: _____ State: _____ Zip: _____

Occupation: _____

Email: _____

Phone: _____

Additional Registrants:

Name: _____

Occupation: _____

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 - **\$299.00**. Three or more registrants from the same company registering at the same time - **\$279.00** each.

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

Downloadable MP3 Audio/PDF Manual for **\$279.00**.

CD/Manual Package for **\$299.00**. USB/Manual Package **\$299.00**.

(S&H included. Please allow five 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: _____

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Email: _____