

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
Knoxville, TN - Thursday, August 8, 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) 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 HSW PDHs | Arborists
6.5 ISA CEUs
(see inside for more credit information) |
| Architects
6.5 HSW PDHs
6.5 AIA LU HSW | |
| Landscape Architects
6.5 HSW PDHs
6.5 LA/CES HSW PDHs | |



HalfMoon Education Inc.
WWW.HALFMOONSEMINARS.ORG



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 Knoxville 401 West Summit Hill Drive Knoxville, TN 37902 (865) 522-2600	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.

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

International Existing Building Codes

- **Working with the International Existing Building Code**
Thurs., June 20, 2019, 11:00 AM - 12:30 PM CDT
- **Chapters 3, 4 & 6**
Thurs., June 20, 2019, 1:00 - 3:00 PM CDT
- **Chapters 7-10: Alterations and Occupancy**
Fri., June 21, 2019, 11:00 AM - 1:00 PM CDT
- **Chapters 11, 12 and 14: Additions and Historic Buildings**
Fri., June 21, 2019, 1:30 - 3:00 PM CDT

Industrial Stormwater

- **Understanding the Federal Industrial Stormwater Program**
Thurs., June 27, 2019, 11:00 AM - 12:30 PM CDT
- **Examining Stormwater Pollutants and the Development of Total Maximum Daily Loads (TMDLs)**
Thurs., June 27, 2019, 1:00 - 2:00 PM CDT
- **Creating Stormwater Pollution Prevention Plans (SWPPPs)**
Fri., June 28, 2019, 11:00 AM - 12:00 PM CDT
- **Implementing Best Management Practices (BMPs), Sampling and Reporting**
Fri., June 28, 2019, 12:30 - 2:00 PM CDT

Retaining Structures

- **Earth Pressures and Surcharges**
Wed., June 26, 2019, 11:00 AM - 12:30 PM CDT
- **Cantilever & Apparent Earth Pressures**
Wednesday, June 26, 2019, 1:00 - 2:30 PM CDT
- **Apparent Earth Pressures**
Thurs., June 27, 2019, 11:00 AM - 12:30 PM CDT

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 6.5 continuing education hours to engineers and 6.5 HSW continuing education hours to architects and landscape architects in most states, including Tennessee. Educators and courses are not subject to preapproval in Tennessee.

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

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

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

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.

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.

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.

() **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**.

(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: _____

Cardholder Name: _____

Billing Address: _____

City:_____State:_____ Zip: _____

Signature: _____

Email: _____

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