Agenda

The Tree Course: Science, Design, and Sustainability
Amherst, NY - Friday, March 13, 2020

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 Outline 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

Learning Objectives

You’ll be able to:
Discuss the physical, 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.

The Tree Course:
Science, Design, and Sustainability
Amherst, NY - Friday, March 13, 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.

Continuing Education Credits
Professional Engineers
6.5 Continuing Ed. Hours

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

Certified Arborists
6.5 ISA CEUs

New Jersey Tree Experts
6.5 CEUs

Contractors
Non-Credit Continuing Ed.

Find us on Facebook
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.”

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

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

### Tuition

- $279 for individual registration
- $279 for three or more simultaneous registrations.

### Additional Learning

#### Seminar Information

**Buffalo Marriott - Niagara**
1340 Millersport Hwy
Amherst, NY 14221
(716) 689-6900

<table>
<thead>
<tr>
<th>Registration</th>
<th>Lunch (On your own)</th>
<th>Morning Session</th>
<th>Afternoon Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 - 8:30 am</td>
<td>12:15 - 1:15 pm</td>
<td>8:30 am - 12:15 pm</td>
<td>1:15 - 4:30 pm</td>
</tr>
</tbody>
</table>

**Tuition**

- $279 for individual registration
- $279 for three or more simultaneous registrations.

**Included with your registration:**

Complimentary continental breakfast and printed seminar manual.

**How to Register**

- Visit www.halfmoonseminars.org for complete AIA/CES information under this course listing.
- For more information and other online learning opportunities visit www.halfmoonseminars.org/webinars/
- For credit card receipt, program changes, and notification of upcoming seminars and products, your email will not be sold or transferred.
- Email address required to confirm registrations. Your email will not be sold or transferred.
- We do not sell or rent our email list.
- © 2020 HEI #20 NYTREECS 3 13 AMST WL

### Continuing Education Credit Information

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

HalfMoon Education is a New York-approved continuing education provider for engineers, architects, and landscape architects via its registration with the American Institute of Architects Continuing Education System and the Landscape Architecture 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 HSWS PDHs. Only full attendance is reportable to the AIA/CES and the LA/CES. Visit www.halfmoonseminars.org for complete AIA/CES information under this course listing.

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

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 the following CEUs: 6.5 Certified Arborists, Municipal Specialists; 5.75 Aerial Lift, Climber Specialist, Utility Specialist; 3.25 Management; 2.0 BCMA Science; 1.25 Practice.

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

Attention 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

**The Tree Course: Science, Design, and Sustainability**
Amherst, NY - Friday, March 13, 2020

**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.**

**Registrar Information**

- Name: __________________________
- Company/Firm: ____________________
- Address: __________________________
- City: ___________________________ State: ______ Zip: ______
- Occup: __________________________
- Phone: __________________________
- Email: __________________________
- Additional Registrants: __________________________
- City: ___________________________ State: ______ Zip: ______
- Occup: __________________________
- Phone: __________________________
- Email: __________________________

**Tuition**

- $279.00
- Checks: 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: __________________________

© 2020 HEI #20 NYTREECS 3 13 AMST WL