

Agenda

Presented by Mary Ann Uhlmann

Understanding the Impact of Plant Physiology and Morphology to Run-off Quality and Quantity

- Expectations of plants and soil hydrologic performance for various green infrastructure (GI) practices
- The implications of plant form, habit, leaf persistence and root structure
- Biological processes and water use
- The root rhizosphere

Engineered Soil Design Strategies

- Components and ratios for pre-treatment vs treatment areas in various GI practices
- Understanding the impact of soil moisture rebound
- Design concerns for plant and practice longevity
- Balancing aggregates and organic matter components

Plant Material Selection and Placement Strategies for Best Hydrologic Performance

- Selection criteria for various GI practices
- Assigning selected plant materials to zones
- Strategies for best maintenance outcomes

Installation Pitfalls

- Soil compaction and contamination avoidance methods
- The impact of construction delays and material substitutions
- Pre- and post-construction site conditions

Maintenance Protocols for Continued Code Compliance

- Optimizing plant health for best outcomes
- Understanding and implementing integrated pest management (IPM)
- LOS—issues and compliance
- Maintenance milestones, costs, and planning

Field Evaluations

- Plant health evaluations
- Soil assays
- Corrective actions and repairs

Growing Trends

- Treatment trains
- “Sponge City” designs

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A Horticultural Guide for Realizing Full Potential of Green Infrastructure Projects

Live, Interactive Webinar - Monday, August 5, 2024

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



Learning Objectives

You'll be able to:

Understand the impact of plant physiology and morphology to run-off quality and quantity.

Discuss biological processes and water use.

Explore engineered soil design strategies, such as the impact of soil moisture rebound.

Examine plant material selection and placement strategies for best hydrologic performance.

Analyze installation pitfalls and consider pre- and post-construction site conditions.

Learn about maintenance protocols for continued code compliance while optimizing plant health.

Discuss field evaluations and growing trends.



HalfMoon Education Inc., Your LIVE Education Leader Presents A Horticultural Guide for Realizing Full Potential of Green Infrastructure Projects

Live, Interactive Webinar - Monday, August 5, 2024



Learn how plant physiology and morphology impact runoff quality and quantity

Discuss strategies for engineering soils for green infrastructure projects

Select appropriate plants for green infrastructure projects

Avoid common problems when installing green infrastructure

Optimize plant health for best outcomes

Continuing Education Credits

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6.5 PDHs

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6.5 HSW CE Hours

6.5 AIA LU | HSW

Landscape Architects

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6.5 LA CES HSW PDHs

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Webinar Information

Online - Monday, August 5, 2024

Log into Webinar

8:00 - 8:30 am CDT

Break

12:10 - 12:40 pm CDT

Morning Session

8:30 am - 12:10 pm CDT

Afternoon Session

12:40 - 3:50 pm CDT

Tuition

\$339 for individual registration.

\$309 for two or more registrants from the same company at the same time.

Included with your registration: PDF seminar manual.

How to Register

- Visit us online at www.halfmoonseminars.org
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Faculty

Mary Ann Uhlmann

Founder Urban Horticulture Consulting

Ms. Uhlmann is an environmental horticulturist and a certified trainer for the National Green Infrastructure Professionals Program. She also holds certifications in permaculture design and as a sustainable landscape professional. Over the course of her career, her field experience has included collaborations in the design, installation, and maintenance of over 170 green infrastructure projects located throughout North America. In 2014, she founded her firm, Urban Horticulture Consulting which served to provide maintenance, assessment, and remediation of challenged and low-performing green infrastructure projects. Now in retirement from field projects, Ms. Uhlmann continues to be an educator, public speaker, and a passionate supporter of local and global initiatives to utilize plants and soil for storm water management in public and residential settings.

Credit Information

This webinar is open to the public and is designed to qualify for 6.5 PDHs for professional engineers, 6.5 HSW continuing education hours for licensed architects, and 6.5 HSW continuing education hours for landscape architects in all states that allow this learning method. Please refer to specific state rules to determine eligibility.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider License No: CEA362), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700) and North Carolina (S-0130). HalfMoon Education is deemed an approved continuing education sponsor for New York engineers and architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2) and §69.6(i)(2)). Other states do not preapprove continuing education providers or courses.

The American Institute of Architects Continuing Education System has approved this course for 6.5 HSW LUs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The Landscape Architecture Continuing Education System has approved this course for 6.5 HSW PDHs. Only full participation is reportable to the LA CES.

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

On-Demand Credits

The preceding credit information only applies to the live presentation. This course in an on-demand format is not pre-approved by any licensing boards and may not qualify for the same credits; please consult your licensing board(s) to ensure that a structured, asynchronous learning format is appropriate. The following pre-approvals may be available for the on-demand format upon request:
6.5 HSW LUs (AIA) 6.5 HSW PDHs (LA CES)

Additional Learning

Effective Stormwater Infiltration

- Monday, June 3, 2024 | 8:30 am - 4:30 pm CDT

How to Design Accessible Parking

- Wednesday, June 5, 2024 | 10:00 am - 12:00 pm CDT

Residential Wall Bracing and Alternatives

- Wednesday, June 5, 2024 | 9:00 am - 4:00 pm CDT

Wetland Restoration

- Wednesday, June 5, 2024 | 9:00 am - 4:30 pm CDT

Residential Site Design

- Thursday, June 6, 2024 | 8:30 am - 4:00 pm CDT

Botany Fundamentals

- Friday, June 7, 2024 | 9:00 am - 4:00 pm CDT

Obtaining Phase 1 and Phase 2 Environmental Site Assessments

- Monday, June 10, 2024 | 9:00 - 11:00 am CDT

How to Design, Construct and Maintain a Gravity Retaining Wall

- Tuesday, June 11, 2024 | 9:00 am - 12:00 pm CDT

Managing Heavy Civil Construction Projects

- Tuesday, June 11, 2024 | 9:00 am - 5:00 pm CDT

Soils in Construction

- Tuesday, June 11, 2024 | 8:30 am - 5:00 pm CDT

Accessible Trail Design, Construction, and Operation

- Friday, June 14, 2024 | 9:00 am - 4:30 pm CDT

Federal Wetlands Science, Law, and Compliance Post-Sackett

- Friday, June 14, 2024 | 9:00 am - 4:20 pm CDT

How to Design, Construct and Maintain a Mechanically Stabilized Earth (MSE) Wall

- Tuesday, June 18, 2024 | 9:00 am - 12:00 pm CDT

Barrier-Free Requirements in Outdoor Spaces

- Monday, June 24, 2024 | 2:00 - 4:00 pm CDT

Brownfields Assessments, Grants and Redevelopment Opportunities

- Tuesday, June 25, 2024 | 10:00 am - 12:00 pm CDT

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