

# Agenda

Presented by Mary Ann Uhlmann

## Early Adopters and Realized Benefits

- A brief history
- Benefits and advantages in today's urban built environment

## Vegetated Green Roof Technology: Types and Purpose

- Building-integrated stormwater management
- Energy-wise roofing system
- Rooftop farm
- Therapeutic green view
- Urban garden space

## Components and Layout Configurations

- Common components to all systems
- Common layout configurations
- Understanding type-specific layouts and components

## Design and Site Issues

- Building structural issues affecting design and performance
- Site considerations for all vegetated green roof types
- Issues surrounding a vegetated green roof retrofit
- Understanding the implications of design decisions for a 'living' system

## Design for Specific Outcomes

- Maintenance efficiency and safety
- Plant and soil media design considerations for stormwater management
- Effective energy efficient component configurations
- Food production soil media blends
- Therapeutic green view plant palettes
- Design considerations for interactive rooftop gardens

## Construction and Logistics

- Material storage and loading challenges
- Understanding the implications of construction scheduling and delays
- Specifications regarding installer experience/certifications
- Logistical decisions impacting project success
- Planting techniques vital to successful plant establishment
- Soil media compaction aversion methods

## Expectations of a Successful Project

- Examples of thriving vegetated green roof projects
- Methods to monitor performance
- Expected ROI timeline

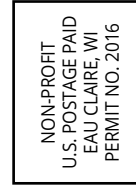


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# Designing and Constructing Vegetated Roofs

Live, Interactive Webinar - Tuesday, September 10, 2024



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



## Learning Objectives

### You'll be able to:

- Dive** into vegetated green roof technology, including building-integrated stormwater management
- Understand** type-specific layouts and components of vegetated roofs.
- Discuss** the implications of design decisions for a 'living' system.
- Examine** plant and soil media design considerations for stormwater management.
- Learn** about planting techniques vital to successful plant establishment.
- Review** and **analyze** examples of thriving vegetated green roof projects.



HalfMoon Education Inc.,  
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# Designing and Constructing Vegetated Roofs

Live, Interactive Webinar - Tuesday, September 10, 2024



**Discuss** vegetated green roof technology

**Explore** components and layout configurations

**Examine** design and site issues

**Review** construction considerations and logistics

**Review** case studies of successful projects

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**International Code Council**  
.6 CEUs (Building)



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# Webinar Information

**Online - Tuesday, September 10, 2024**

**Log into Webinar**

8:30 - 9:00 am CDT

**Break**

12:30 - 1:00 pm CDT

**Morning Session**

9:00 am - 12:30 pm CDT

**Afternoon Session**

1:00 - 4:00 pm CDT

**Tuition**

**\$339** for individual registration.

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**Included with your registration:** PDF seminar manual.

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# Faculty

**Mary Ann Uhlmann**

*Urban Horticulture Consulting, LLC*

Ms. Uhlmann is an environmental horticulturist, accredited green roof professional, certified permaculture practitioner and certified sustainable landscape professional. Her firm, Urban Horticulture Consulting, provides green infrastructure planning, training, and asset management. Over the past 19 years, Ms. Uhlmann has been a passionate advocate for green infrastructure education and policy making. Based in Marietta, Georgia, her projects include green roof design, assessments and remediation, maintenance protocol development, FLL compliance testing and the development of public outreach programs. Recent speaking engagements include The Little Rock Sustainability Conference, P80 Global Summit, and The Green Infrastructure Foundation Seattle Design Charette.

# Credit Information

This webinar is open to the public and is designed to qualify for 6.0 PDHs for professional engineers, 6.0 HSW continuing education hours for licensed architects, and 6.0 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. 24GP00049300) and North Carolina (S-0130). HalfMoon Education is deemed an approved continuing education sponsor for New York engineers, architects and landscape architects via its registration with the American Institute of Architects Continuing Education System (AIA/CES) and the Landscape Architecture Continuing Education System (LA/CES). Other states do not preapprove continuing education providers or courses.

The American Institute of Architects Continuing Education System has approved this course for 6.0 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 6.0 HSW PDHs. Only full participation is reportable to the LA CES.

The International Code Council has approved this event for .6 CEUs in the specialty area of Building (Preferred Provider No. 1232).

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:

6.0 HSW LUs (AIA) 6.0 HSW PDHs (LA CES)

# Additional Learning

**Small-Scale Dredging of Lakes and Rivers**

- Thursday, August 22, 2024 | 9:00 am - 4:00 pm CDT

**Stormwater Pretreatment**

- Monday, August 22, 2024 | 9:00 am - 12:15 pm CDT

**Designing and Constructing Net-Zero Energy Homes**

- Friday, August 23, 2024 | 8:30 am - 4:00 pm CDT

**Flood-Resistant Design and Construction**

- Monday, August 26, 2024 | 9:00 am - 4:30 pm CDT

**Soil Oxygen: The Limiting Factor in Urban Forests**

- Monday, August 26, 2024 | 2:00 - 4:00 pm CDT

**2024 International Building Code: Administration and Enforcement**

- Tuesday, August 27, 2024 | 12:00 - 4:30 pm CDT

**Complying with Commercial Provisions of the 2021 International Energy Conservation Code**

- Tuesday, August 27, 2024 | 9:00 am - 4:30 pm CDT

**How to Calculate the Proper Size and Volume for Water Lines (Pex & Copper), Drain-Waste-Vent (DWV) Lines and Natural Gas Lines**

- Tuesday, August 27, 2024 | 8:30 am - 3:30 pm CDT

**Structural Engineering Calculations for Wood Construction**

- Tuesday, August 27, 2024 | 10:00 am - 1:15 pm CDT

**Current Issues in Urban Planning: Climate Planning and Equity Planning**

- Wednesday, August 28, 2024 | 9:00 am - 4:00 pm CDT

**Physics of Construction of a Building**

- Wednesday, August 28, 2024 | 8:30 am - 4:30 pm CDT

**Swimming Pool Design and Construction**

- Wednesday, August 28, 2024 | 9:00 am - 12:30 pm CDT

- Thursday, August 29, 2024 | 9:00 am - 12:30 pm CDT

**Innovations in Edible Landscaping**

- Thursday, August 29, 2024 | 1:00 - 4:00 pm CDT

**Innovative MS4 Stormwater Management Practices and Procedures**

- Thursday, August 29, 2024 | 9:00 am - 12:15 pm CDT

**Applied Ecology for Landscape Architects and Related Professionals**

- Friday, September 6, 2024 | 12:00 - 3:15 pm CDT

**Ethical Issues in Structural Engineering**

- Tuesday, September 10, 2024 | 10:00 - 11:00 am CDT

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