Agenda

Introduction to Green Infrastructure Practices for the Building Envelope
Goals of Green Infrastructure
Benefits and realized performance
Definitions and terms overview for this seminar
Application and benefits of:
Vegetated green Roofs
Living walls
Blue roofs
Rainwater retention systems
Benefits of connecting to on-grade green infrastructure systems
Typical design and components
Plants, engineered soils, drainage components and accessories

Monetizing the Benefits of Green Infrastructure for the Building Envelope – Part 1
Stormwater Management
Monetization methods and means
Clean Water Act and implication of upcoming site run-off reduction standards
Macro and micro influences leading to demand for change
Identifying monetary opportunities with increasing regulatory pressure
Green infrastructure applications for the building envelope leading to stormwater management
Monetization and reduction strategies
Water quality benefits and value to building owners
Energy saving reduction and conservation
Regional and seasonal benefits
Mechanical equipment savings due to reduced use added longevity

Monetizing the Benefits of Green Infrastructure for the Building Envelope – Part 2
Urban Ecology
Environmental value of green infrastructure
Heat island effect mitigation, pollution control, CO2 sequestration
As part of smart-city strategies
Ecosystem services evaluations
Value of recreating natural systems
Rooftop farming and urban agriculture
Biophilia
Food desert relief and social equity
Improved tangible real estate value
Social Interaction

The Reversal of All Gains: Failures and Remedia
cation
Case studies of vegetated green roof and living roof failures
Typical points of technical failure
Failure due to design, installation and maintenance errors
Strategies to avoid failure
Design considerations
Effective planning
Installation

The Social and Human Element
The Biophilic Effect
Nature and human development
Urban nature and human health and well being
Design considerations for incorporation of green infrastructure to facilitate human engagement
Healthcare, educational municipal facilities

Proving Asset Value Gains, Part 1
The value of certification
LEED, SITES, Living Building Challenge
Green infrastructure value creation ROI
Short term vs long term evaluation
Where and how the money is found
Costs and correct monetizing of benefits
Long term value generation
The humanization lens

Proving Asset Value Gains, Part 2
Current financing strategies
ROI case studies
Stormwater management, energy conservation & realized real estate assessment
Exercise: The Green Infrastructure Scorecard
Example: Addition of vegetated green roof to an existing building
The 7th generation benefit

Learning Objectives

You’ll be able to:

Evaluate the benefits of vegetated roofs, blue roofs, living walls and rainwater retention systems
Monetize the benefits of green infrastructure for building envelopes
Maintain system performance with proper design, workmanship and maintenance
Obtain green certifications and experience the biophilic benefits of green infrastructure

Professional Engineers
6.0 PDHs

Architects
6.0 Public Protection PDUs
6.0 AIA Learning Units

Atlanta, GA - Thursday, September 20, 2018
Joanne Rodriguez  GreenStructure, Ltd.
Ms. Rodriguez is a LEED AP, CRPS, climate leader, certified permucatruce practitioner and green infrastructure specialist. With over 30 years experience in the building products industry, she is the founder of GreenStructures, a multidisciplinary environmental consulting firm. Her efforts are concentrated in the development of training and public outreach in the areas of climate mitigation, resiliency and green infrastructure practices. Former director of sustainability for Tremco Roofing, Ms. Rodriguez has provided leadership on many high-profile green roof projects across North America. Her recent speaking engagements include keynote speaker at The Virtual Green Roof & Wall Summit, and presenter at the National Roofing Contractor Association Sustainability webinar series and the Green Infrastructure Foundation Seattle Design Charette.

Mary Ann Uhlmann  Urban Horticulture Consulting, LLC
Ms. Uhlmann is an environmental horticulturist, accredited green roof professional, certified permucatruce practitioner and certified sustainable landscape professional. Her firm, Urban Horticulture Consulting, provides green infrastructure planning, training and asset management. Over the past 19 years, she 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.

Additional Learning

Webinar Series
Community Solar and Rooftop Solar
- Community Solar
  Wed., Sept. 5, 2018, 11:00 AM - 2:15 PM CDT
- Design Your Solar Roof
  Thurs., Sept. 6, 2018, 11:00 AM - 2:15 PM CDT
Seismic Design and Construction
- Seismology and Building Codes
  Wed., Sept. 12, 2018, 11:00 AM - 2:15 PM CDT
- Seismic Design of Building Structures
  Thurs., Sept. 13, 2018, 11:00 AM - 3:30 PM CDT
Small Wind Energy Systems
- Small Wind Energy System Components
  Thurs., Sept. 20, 2018, 11:00 AM - 2:15 PM CDT
- Small Wind Energy Siting and Sizing
  Fri., Sept. 21, 2018, 11:00 AM - 1:00 PM CDT
International Green Construction Code
- Introduction to the International Green Construction Code (IGCC)
  Thurs., Sept. 20, 2018, 11:00 AM - 12:30 PM CDT
- Chapters 4-5: Site Development and Material Use
  Thurs., Sept. 20, 2018, 1:00 - 2:30 PM CDT
- Chapters 6-9: Water, Water, Environmental Quality and Building Commissioning
  Fri., Sept. 21, 2018, 11:00 AM - 12:30 PM CDT
- Chapters 10-11: Existing Buildings
  Fri., Sept. 21, 2018, 1:00 - 2:30 PM CDT

Registration

Building Envelope Performance: Increasing Value with Green Infrastructure
Atlanta, GA - Thursday, September 20, 2018

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.

Tuition
( ) I will be attending the live seminar. Single Registrant - $279.00. Three or more registrants from the same company registering at the same time - $259.00 each.
( ) I am not attending. Please send me the CD/manual package for $289.00. (SAH 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: ________________________________

For more information visit: www.halfmoonseminars.org/webinars/