

Stormwater Capture Co.

Is presenting a Three-Part Continuing Education Program
To benefit the NJASLA Education Foundation

SESSION 1: Oct. 25th (Live); Oct 26th-Oct. 31st (On- Demand)

SESSION 2: Nov 1st (Live); Nov. 2nd- Nov. 7th (On- Demand)

SESSION 3: Nov. 8th (Live); Nov. 9th- Nov. 14th (On- Demand)

Cost: \$75

**3 Hours CEU's Approved by LACES;*

Pending approval from NJ

Credits for: Green Roof Professional

Green Roof Fundamentals, Selection, Design & Construction

SESSION 1: Oct. 25th (LIVE);
Oct. 26th - Oct. 31st (ON-DEMAND)

12:30 – 12:50 AM - Sign-In for Live Webinar

When: Live Webinar on Oct 25th 1:00 – 2:00 pm

Title: Green Roof Fundamentals (Part 1 of 3)

Description:

Vegetated roofs, more commonly called green roofs, offer multiple benefits to urban areas. They manage stormwater, reduce energy demand, mitigate urban heat island, improve air quality, and enhance biodiversity. Designers, private owners, corporations, communities, and municipalities have much to gain from the implementation of green roof technology, as is evident by various green roof incentives and policies throughout North America. Green roof design responsibility often falls within the scope of the landscape architect, although it is a multi-disciplinary technology. Thus, it is vital for landscape architects to recognize green roof opportunities and recognize that green roof technology requires not only plant knowledge, but also an understanding of architectural and engineering subjects. In this first of three webinar segments, we introduce the concept of green roof technology, understand why it has gained popularity over the last several decades, learn how to identify opportunities, and assess suitability.

Learning Objectives:

1. Understand what encompasses the term “green roof technology”.
2. Describe why green roof technology is helpful at the micro and macro level.
3. Identify and analyze opportunities that could benefit from green roof technology.

1 Continuing Education Credit

SESSION 2: Nov. 1st (LIVE);
Nov. 2nd - Nov. 7th (ON-DEMAND)

12:30 – 12:50 AM -Sign-In for Live Webinar

When: Live Webinar on Nov 1st 1:00 – 2:00 pm

Title: Green Roof Selection (Part 2 of 3)

Description:

The concept of placing vegetation on roofs is not new, however the advancement of technology and materials over the past few decades have increased green roof adoption. Green roofs can now be implemented over a wider range of opportunities and able to fulfill more functions. Having identified a suitable green roof opportunity, landscape architects act as guides helping clients navigate through the selection process to achieve a predetermined design goal.

In this second of three webinar segments, we look at the various green roof types, their market shares and growth, and cost positions. We will examine individual components, learn about their functions and selection criteria, and how to put them together into engineered systems that meet specific design intents. Finally, we will look at one of the strongest driving forces behind green roof growth in North America, stormwater management.

Learning Objectives:

1. Distinguish various green roof types, typical components, and cost positions.
2. Understand different design intents and create systems to achieve specific functions.
3. Design intent: Stormwater Management. The distinction between retention and detention and the role of the landscape architect, architect, and civil engineer.

1 Continuing Education Credit

SESSION 3: Nov. 8th (LIVE);
Nov. 9th -Nov. 14th (ON-DEMAND)

12:30 – 12:50 AM - Sign-In for Live Webinar

When: Live Webinar on Nov 8th 1:00 – 2:00 pm

Title: Green Roof Design and Construction (Part 3 of 3)

Description:

Green roofs are by their very nature more complex than ground level landscaping. Failures may be more difficult to identify and repair. Proper engineering, planning, design, and installation are essential. Clear and consistent communication throughout the process ensures all parties are aware and united in achieving the green roof's intended goals. This

includes everything from structural capacity, warranties, budget, accessibility, safety, contradicting roof usage, plant selection, watering source, installation logistics, and maintenance access.

In this final webinar segment, we look at key parameters. Some parameters are relevant across the board regardless of design intent, and others are specific to the GRs primary purpose. We examine best practices to effectively communicate the design goal through documentation including specifications and construction details. Finally, we review a case study through its step-by-step construction and identify all maintenance requirements.

Learning Objectives:

1. Ensure a green roof's design intent and requirements are properly communicated through construction documents.
2. Recognize common design pitfalls and architectural parameters that may jeopardize the green roof's primary purpose.
3. Understand green roof after care requirements and its importance in relation to warranties.

1 Continuing Education Credit

Speakers for all 3 Sessions:

Sasha Aguilera, Design Ambassador, B.Arch, GRP

With more than 14 years of experience, Sasha has worked with designers such to find the most effective solution on hundreds of green roofs designs of various complexities. As a design consultant, Sasha offers analytic and technical support - such as stormwater calculations that are specific to a location and building.

Bill Corrigan, Project Manager B.A. GRP

With 20 years of experience in the roofing industry, Bill has a deep knowledge of sales, diagnostic procedures, program management, training, influencing public policy and evaluation of new technologies. He has presented seminars on roof asset management, warranty myths/realities and vegetated roofing; and has been enthusiastically advocating for sustainable building initiatives since 2002.