



07:45 AM Registration & Continental Breakfast

08:00 AM Welcome, Credits, and Certificates

08:05 AM **Thermally Modified Wood as a Sustainable, Biophilic Product Choice for Architects and Designers**

This course examines the use of thermally modified woods in sustainable building practices. Through this course, participants will gain a comprehensive understanding of the thermally modified wood process, its environmental benefits, and its applications in architectural design. We will explore the science behind thermal modification, its impact on wood properties, and its advantages over traditional wood treatments. Additionally, the course will address key considerations for specifying, installing, and maintaining thermally modified wood products, equipping attendees with the knowledge needed to incorporate this innovative material into their projects. Discover how thermally modified woods are reshaping the landscape of sustainable construction and contributing to a greener future.

Lisa Ayala
GMX Group Provider #: 10093159
AIA #:GMXThermWood27 HSW | GBCI (USGBC/CAGBC) #:0920030910

09:05 AM **Glass Cladding Systems: ? Today's Alternative to ?Curtain Wall?**

This course reviews building-envelope design, with specific emphasis on façades and a quick overview of curtain wall and window systems. ??We'll introduce cladding standards, investigating both AAMA 509 and 508. ??Thermal performance of opaque wall assemblies are discussed with an alternative solution to the curtain-wall spandrel panel. ??Heat transfer coefficient (U) and condensation index (CI) criteria are compared and analyzed. ?We'll examine innovative cladding and window systems and how they compare to a curtain wall?

David Drouin
Stekar Provider #: 10115791
AIA #:1 HSW

10:05 AM Break

10:15 AM **Moisture Mitigation: Planning for Success**

This course will examine concrete slab moisture and how it will impact a flooring system. We will review how slab moisture originates, how that impacts the soundness of the flooring system, what failures may occur and how to address moisture issues. Concrete, moisture testing, substrate examination and systems that resist or control moisture will be reviewed. Participants will benefit from this instruction learning how to select moisture testing or mitigation systems and will be able to make the best decision on appropriate measure to manage slab moisture challenges for a successful, sustainable and sound flooring installation.

Shane Jenkins
Sika - Schönnox Provider #: J399
AIA #:AIACES4012023 HSW | GBCI (USGBC/CAGBC) #:0920012408

11:15 AM

The Benefits of 100% Offsite Fabricated Stainless Steel Railing Systems

Explore the advantages of integrating 100% offsite fabrication into the design of the ornamental railing you specify in your architectural projects.

When compared to local fabrication, Offsite fabrication of custom-designed railing systems not only dramatically improves product quality, it also minimizes project waste, reduces product costs, and streamlines construction processes. *Offsite Fabrication = Value Engineering!*

In this presentation you will learn how architects, designers, and engineers can reduce overall project costs and improve project outcomes by specifying architectural products which have been custom-designed to precisely fit each project, and then prefabricated to completion offsite, while helping builders and contractors achieve greater efficiency.

Milena Martinez Vega

Marketing Lead | Brand Strategist Milena Martinez Vega is a passionate professional with a deep understanding of prefabricated railing systems and the advantages offsite fabricated stainless steel railing systems bring to architectural projects. As former "amazonian", she served at Amazon Web Services (AWS) as a Project Manager in the Public Sector for Latin America, Caribbean and Canada Regions. Originally from Barcelona, Spain, Milena moved to the United States in 2009 in pursuit of her career aspirations. With a Keen eye for aesthetics and a passion for design, she joined AGS Stainless, a renowned manufacturer of custom-designed stainless steel railing systems, in 2014. Over the years, Milena's curiosity and enthusiasm have driven her to explore various roles within AGS Stainless, and currently serving as a Brand Strategist and Marketing Lead. Her attention to detail and commitment to excellence have earned her recognition within the organization.

AGS Stainless Inc. Provider #: 404108593

AIA #: PRSv2 HSW

12:15 PM

Lunch

01:00 PM

Sustainable Exterior Envelope

This course focuses on the effect biological and physical agents have on the wood substrate of the exterior building envelope. After reviewing these agents, you will learn how proper installation and best building practices can limit the exposure these agents can pose to your project. Durable wood substrates will also be discussed with a comparison of popular man-made durability agents used to further protect the exterior envelope.

Joe Burgoyne

WindsorONE Provider #: T109

AIA #: ExtEnvelope23 HSW

02:00 PM

Managing Condensation, Water Intrusion and Energy in the Real World-1

Window opening air and water leakage has been a difficult problem for the construction industry. This course evaluates building failures, conventional construction approaches, and new developments in waterproofing techniques to show a path forward for designers seeking higher-performing wall assemblies.

Alley Mathson

Prosoco Provider #: J388

AIA #: PRO014-1-25 HSW

03:00 PM

Break

03:10 PM Understanding Permeability in Products and Systems

This course will review an in-depth breakdown of permeability standards for both products and systems. The attendees will learn more about the multiple building products and how they perform in permeability standards. Discussion points to include the changes of the current energy codes and the requirements for the use of permeable and nonpermeable products. The participant will be able to better evaluate their current building assemblies and understand the requirements that are dictated by current codes.

Lee Bybee
Ox Engineered Products Provider #: 40107972
AIA #:OXAIA503 HSW

04:10 PM Improving Sustainability in Concrete with Emerging Technologies

This course offers an in-depth exploration of sustainable concrete, focusing on the use of pozzolans and Type 1L cement. Participants will learn about the enhanced durability and impermeability of concrete when these materials are used, leading to longer-lasting structures while still striving to meet today's rigid environmental goals. The course will cover the environmental benefits of using pozzolans, which reduce the reliance on traditional Portland cement and help lower carbon emissions. By understanding these advanced materials, attendees will gain insights into creating more resilient and sustainable concrete. In addition to durability and sustainability, the course will address the broader environmental impacts of concrete production and use. We will examine how incorporating pozzolans and Type 1L cement can contribute to healthier living and working spaces. The program will also highlight the role of these materials in reducing the overall carbon footprint of construction projects, promoting a more eco-friendly approach to building. Through this comprehensive overview, participants will be equipped with the knowledge to implement sustainable concrete practices in their own projects.

Scott Bergsbaken
SPG (Specialty Products Group) Provider #: K540
AIA #:SPGSustainable HSW

05:10 PM End

