ATS CONTINUING EDUCATION
ONLINE_SEMINAR
Building Green: Products that Support Sustainable Design - Eastern Time Zone
Wednesday, December 13, 2023

08:00 AM Welcome, Credits, and Certificates

08:05 AM **A sustainable path forward – Embodied Carbon and EPDs**

Along with energy conservation measures, sustainability trends are continuously becoming more robust with high focus on carbon emissions, product transparency and resiliency. Importantly, the embodied carbon impacts of building materials are becoming one of the primary measurements of a product's sustainability. The use of Environmental Product Declarations (EPDs) is increasing where understanding the inputs and outputs of the lifecycle assessment are critical. This course will provide insight into these topics using stone wool insulation as an example, and relate them to overall durability, energy efficiency, and occupant health and comfort. These topics will be explored within the infrastructure of green building certification metrics and schemes such as LEED and local sustainability initiatives will be integrated. Best practices and user-friendly tools and resources to assist with sourcing sustainable products will be highlighted.

Robert Blount
Rockwool Provider #: K269
AIA #:RWNA221201 HSW | GBCI (USGBC/CAGBC) #:

09:05 AM *Review of Session Code Process*

09:10 AM **Acetylated Wood: Discover the Difference for Siding, Decking, and More**

This course discusses the process of wood acetylation, the resulting changes to wood, applications for acetylated wood, its green credentials and a number of case studies involving acetylated wood.

Douglas Gillikin
Doug has over 20 years in millwork manufacturing, national account sales and project management. Having been on all sides of the process, he understands the challenges faced beginning with inspiration, design to installation.
Accsys Technologies - Titan Wood Inc. Provider #: K382
AIA #:Accoya2023 HSW | GBCI (USGBC/CAGBC) #:920022858

10:10 AM Break

10:20 AM Sponsor: LAMCO Forest Products - Dominic Cholette

10:30 AM **How It's Made: Today's PVC**

PVC products have been around for 100 years. They're common in the construction industry because of their durability and long life. But old PVC manufacturing practices still cause concern for some of today's specifiers. This course will address those concerns head-on. We'll talk about today's manufacturing processes and how recycling is transforming the industry. You'll see how PVC resin becomes a strong and beautiful product using the example of vinyl fencing. With the understanding of today's regulations, collaboration, and green-building practices, you'll have the confidence to specify today's PVC products.

Taylor Coley
Barrette Outdoor Living Inc. Provider #: J696
AIA #:HIMPVC0523 HSW | GBCI (USGBC/CAGBC) #:920028037

11:30 AM **Designing for Sound Control: Effective, GREEN, Principles and Practices**

In this one-hour course, design professionals will gain practical knowledge of effective principles of sound control and how they can be applied to the design of wall and floor/ceiling assemblies. We will discuss building code criteria and guidelines, including strategies to meet these requirements utilizing cellulosic fiberboard. By the end of this course, design professionals will be able to specify optimal sound control strategies that best fit each project's needs.

Paul Volkoff
Homasote Provider #: J582
AIA #:soundatten24 HSW | GBCI (USGBC/CAGBC) #:920027579

12:30 PM Break

12:50 PM **Five High-Performance Innovations That Are Faster, Better, Cheaper**

High performance building, and zero energy homes in particular, are no longer a nice-to-have. This is obvious looking at the increased rigor of the latest energy codes, growth in voluntary certifications, new 45L federal tax credits, ESG movement and growing consumer demand. So now, builders must learn to get there faster, better and cheaper. In this session, learn the critical concepts for achieving zero energy and zero carbon homes along with the business case for doing so profitably. Explore a total cost accounting method to capture all related costs and benefits and discover the most cost-effective options for the most critical component, the enclosure. Leave on the right path to achieving zero energy performance and meeting buyer demand all while avoiding tens of thousands of dollars in unnecessary expense.

Sam Rashkin
SIPA Structural Insulated Panel Association Provider #: 50111211
AIA #:SIPs205FBCL HSW | GBCI (USGBC/CAGBC) #:920029280

01:50 PM **Design Residentially with SIPs (Structural Insulated Panels)**

Residential design with SIPs (structural insulated panels) is the fastest, most economic, and sustainable way to achieve your high-performing building envelope goals. If energy-efficient, durable, superior IAQ and occupant comfort are your residential goals to exceed in all seismic zones and high-velocity hurricane zones, then SIPs are for you. This course show you how to leverage off-site construction technologies to future-proof your designs.

Jack Armstrong
SIPA Structural Insulated Panel Association Provider #: 50111211
AIA #:SIPs R101 HSW | GBCI (USGBC/CAGBC) #:

02:50 PM Sponsor: Hughes & Associates - Yancey Hughes

03:00 PM Break

03:10 PM **Biophilic Design for All: Affordable, Low-Maintenance Materials That Mimic Nature**

Most architects have heard about biophilic design and agree with the concept of bringing the outdoors inside. However, very few designers take purposeful steps to incorporate it into their plans. Designers may assume that biophilic design is expensive or high maintenance, reserved for only those high-end projects. One may assume that bringing nature inside is complicated and requires customization. An architect may assume that some projects don't warrant biophilia, like a warehouse. In this one-hour course, we'll address those assumptions that hold architects back. We'll introduce a simulated-wood product that mimics nature and delivers that positive human response. You'll see numerous design ideas and applications that exemplify economical and low maintenance solutions for any project type. At the end of the course, we think you'll agree that biophilic design is obtainable for any project and every occupant.

Kim Guimond
Modern Mill Provider #: 10009174
AIA #:MMBiophilic HSW | GBCI (USGBC/CAGBC) #:

04:10 PM End