



ATS CONTINUING EDUCATION
ONLINE_SEMINAR
Building Envelope Design Solutions - Pacific &
Mountain Time Zones
Tuesday, November 21, 2023



08:00 AM [Welcome, Credits, and Certificates](#)

08:05 AM **Zero Net Carbon Design - Embodied Carbon, EPDs & Buy California Clean Act (E... ,**

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. ?

Pamela Sadler
Rockwool Provider #: K269
AIA #:RWNA230301 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.

Daniel Trebelhorn
Accsys Technologies - Titan Wood Inc. Provider #: K382
AIA #:Accoya2023 HSW | GBCI (USGBC/CAGBC) #:920022858

10:10 AM [Break](#)

10:30 AM **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.

Guy Long
Prosoco Provider #: J388
AIA #:PRO014-1-22 HSW | GBCI (USGBC/CAGBC) #:

11:30 AM

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.

Dave Rogers

WindsorONE Provider #: T109

AIA #:ExtEnv2020 HSW | GBCI (USGBC/CAGBC) #:920026001

12:30 PM

Break

12:50 PM

Take Advantage of Your Vertical Surfaces: Building-Integrated Photovoltaics

To effectively combat climate change, we need to acknowledge the role that the building industry plays in global CO2 emissions. We need to shift not only how we think about designing our buildings but also powering our communities. This course will discuss how BIPVs can be integrated into both new and old buildings to improve performance and aesthetics and lower energy costs. In this one-hour course, we will discuss the value of BIPVs as both a high-performance building material and green energy-generating solar panels. The various systems BIPV can be integrated into. As well as the various benefits that building owners can realize by integrating BIPV into their projects.

Terri Oswald

Mitrex Provider #:

AIA #:MITREX03 HSW | GBCI (USGBC/CAGBC) #:

01:50 PM

End



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