



ATS CONTINUING EDUCATION
ONLINE_SEMINAR
High-End Residential - Eastern Time Zone
Tuesday, March 08, 2022



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

08:05 AM **Sustainable Exterior Envelope**

At the end of this course, participants will know how to increase the durability of wood products used on building exterior envelope, understand best installation practices and differences between popular wood treatment methods. This AIA continuing education program touches on these issues and more, helping you design an exterior envelope that is durable and healthy for the home.

Corbin Rinehart
WindsorONE Provider #: T109
AIA #:ExtEnv2020 HSW | GBCI (USGBC/CAGBC) #:920012039

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.

Tim Svarczkopf
Accsys Technologies - Titan Wood Inc. Provider #: K382
AIA #:Accoya2020 HSW | GBCI (USGBC/CAGBC) #:920022858

10:10 AM [Break](#)

10:20 AM [Sponsor: Art Massif Wood Structure - Serge Bisson](#)

10:30 AM **Introduction to Vuelift Elevators**

This course is an introduction to Vuelift panoramic residential elevators and provides an overview of its features and design applications. This session will cover technical aspects and benefits of this type of elevator as well as applicable code and regulation requirements.

Christopher Baker
Savaria Concord Lifts Provider #: 40107405
AIA #:AIASAV301-2021 HSW | GBCI (USGBC/CAGBC) #:

11:30 AM **High-Performance Glass and Aluminum Building Envelopes**

This course provides a comprehensive understanding of the glass-aluminum building envelope featured in high-rise construction. We'll review the three main- types of curtain walls and the installation process for each. Design and functionality will be addressed specifically to project objectives along with the environment-conscious benefits of using glass and aluminum. Lastly, the course will review how to avoid moisture, temperature, and other pitfalls and failures in curtain-wall installation.

Dmitry Avramenko
Alumin Techno (Alutech) Provider #: 404109291
AIA #:AluTech01 HSW | GBCI (USGBC/CAGBC) #:920021394

12:30 PM [Lunch](#)

01:10 PM [Sponsor: LAMCO Forest Products - Andrew Dingman](#)

01:20 PM Western Red Cedar, Distinctive Sustainable Design

The Western Red Cedar Lumber Association (WRCLA) is a Non-Profit trade association that was established in 1954. We offer training to discerning users of WRC including the architect community. Western Red Cedar Distinctive Sustainable Designs is a one-hour, face-to-face training session developed for the architect community and provided by WRCLA qualified trainers. Through this one hour session, architects will increase their knowledge of WRC; its' properties and performance characteristics.

Paul Mackie

Western Red Cedar Lumber Assn (WRCLA) Provider #: G422
AIA #:WRCLA5 HSW | GBCI (USGBC/CAGBC) #:920027450

02:20 PM Managing Condensation and Thermal Performance with Continuous Insulation

Building codes and green building standards are continuing to raise the bar on energy efficiency and high performance in buildings. In wood-framed buildings designing for thermal and moisture management in wall cavities, as well as the air tightness of the building enclosure, are all core components to creating advanced building enclosures. This presentation will discuss the need for exterior insulation to manage heat transfer and reduce condensation in exterior walls by providing step-by-step examples of how to determine the amount of continuous insulation required to meet prescriptive code requirements depending on climate zone.

Curtis Bolton

Huber Engineered Woods Provider #: K094
AIA #:HEW 503.1 HSW | GBCI (USGBC/CAGBC) #:

03:20 PM Break

03:30 PM Sponsor: QWEB (Quebec Wood Export Bureau) - Eli Gould

Eli graduated with one of the first dual Architecture/Forestry degrees from Yale in the early '90s, with a conviction that the two fields would eventually be more linked. After a quarter century, this seems more true and even mainstream, but for many years it was an entrepreneurial effort in the small vertical wood prefab companies he ran in Vermont, and in the automated timber industry where he often consulted. For the last three years, Eli has brought those experiences into a nonprofit market development role for QWEB. When he's not trying to transform the AEC industry into a positive climate force he enjoys small town and organic farm life in Vermont with his family.

03:40 PM Design Green & Healthy Built Environments with Natural Wood Flooring

In this course, we will discuss the myriad health benefits of natural wood in flooring, cladding and ceilings in the built environment. We will explain the value of specifying natural wood in biophilic design cannot be overstated. Natural wood improves indoor air quality, overall health, sleep, stress reduction. We will also talk about the sustainability of wood, carbon sequestration and the use of multiple species of wood to maintain the health of our biodiverse forests The distinctive beauty of natural wood in application will be demonstrated through architectural photographs of its use in high-end restaurants, healthcare facilities, hotels, residences, schools, event spaces, offices and showrooms We will discuss the importance of specifying fully certified natural wood for flooring, walls and ceilings. There will be a brief overview of the various certification schemes for wood and how to avoid "greenwashing" in your projects We will explain the stability of cross-laminated, balanced engineered natural wood flooring for radiant heat application And finally, we will outline the benefits of vertically integrated manufacturing without the use of any harmful chemicals resulting in holistically carbon-negative wood flooring even when shipped around the world.

Criswell Davis

Mafi America Inc. Provider #: 10009167
AIA #:Mafi001 HSW | GBCI (USGBC/CAGBC) #:920025485

04:40 PM

Get Inspired! Design Smarter, Safer, and Greener with Innovation in Wood-Framed Construction

Wood is a frequently overlooked building material for light-medium-commercial construction including mid-rise, multi-family, and mixed-use projects. This course features several North American examples that highlight the surprising capabilities of this natural resource. Many architects, engineers, and project owners often default to steel and concrete instead of wood for wall, floor, and roof assemblies.

This course outlines:

- common misconceptions and capabilities of code-approved wood applications.
- the environmental and structural benefits of this sustainable natural resource.
- the virtues of wood when engineered for pre-cut and pre-assembled components.
- how wood applications integrate with building codes, construction techniques, and technical support.
- how choosing wood first contributes to on-time and on-schedule projects with significant cost savings.

Andrew Dingman

LAMCO Forest Products Provider #:

AIA #:QWEB01 HSW | GBCI (USGBC/CAGBC) #:920014585

05:40 PM

End



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