



08:00 AM [Welcome, certificate & credit reporting instructions](#)

08:10 AM **Understanding Wood Aesthetic Cladding and Soffit Technologies**

This learning unit will provide an in-depth overview of current “wood” design technologies natural and synthetic. - Identify current market “wood aesthetic” technologies - Understand the core materials of each technology - Understand the sustainable features and Life Cycle benefits for each technology based on the following criteria: Color Retention, Maintenance & Warranty - Describe the surface burning characteristics and explain how they can be specified to achieve code compliance - Installation Details - Budgetary Information

Yancey Hughes

Geolam Provider #: L161

AIA #:GL2020CS HSW | USGBC/GBCI #: | Other Credit:

09:10 AM **Proactively Address Moisture in Roof Assemblies**

Moisture within roof assemblies, or the concern over such, has recently become a major focus of discussion for the design/build community due to project schedule delays and disruptions to businesses and institutions. Despite the disruption to projects this issue causes, there remains significant misunderstandings across the design build industry regarding product warranties, field moisture tests, and just how long it takes concrete “to dry”. During this presentation, we will discuss common terms associated with concrete that are often misused and misunderstood. Further, the various sources of roof system moisture will be identified with clear recommendations given as to how the specifying professional can proactively address these sources through the construction documents.

Dean Craft

ISE Logik Industries, Inc. Provider #: 404108239

AIA #:ISL03G HSW | USGBC/GBCI #: | Other Credit:

10:10 AM [Break](#)

10:30 AM **Introduction to Engineered Glazed Timber Curtain Wall**

Architects and Construction professionals understand the numerous benefits of building with wood. But, many are unaware of its application for a GLAZED TIMBER CURTAIN WALL (TCW). Today’s advanced glazing technology provides opportunities to incorporate the beauty and energy-efficiency of wood into glazed facades that not only bring the outdoors in but also can serve as the building’s heavy lifter. This course will present the differences between a conventional non-load-bearing curtain wall and a timber curtain wall (TCW) with load-bearing and non-load-bearing capabilities. We will also show applications of Timber projects using glulam mullions in North America.

Jim O'Connor

UNICEL ARCHITECTURAL CORP Provider #: 404109249

AIA #:IC2tech2020 HSW | USGBC/GBCI #:0920019926 | Other Credit:

11:30 AM

Building Envelope Fundamentals and Design Solutions with Insulated Metal Panels

Discover how IMPs can help enhance the functionality of building, performance. You will gain a better understanding of the IMP's constructability and physical properties, and its visual, and structural attributes, efficiencies, advantages and benefits for using IMP's in today's design build world.

Jonathan Singleton

Norbec Architectural Inc. Provider #:

AIA #:inb05a HSW | USGBC/GBCI #:0920017558 | Other Credit:

12:30 PM

Lunch

01:10 PM

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 Provider #: 404109291

AIA #:AluTech01 HSW | USGBC/GBCI #:0920021394 | Other Credit:

02:10 PM

Break

02:30 PM

Understanding Advanced Wall Systems with Continuous Insulation

This session explores evolving trends in building enclosure technology, and subsequent changes in energy efficient building design; with especial focus on the role of continuous exterior insulation (CI). The net energy savings realized in a properly insulated building are by now well understood, and these savings are increasingly being required by stringent local building and energy codes. Current building science research and field monitoring data will be presented, to demonstrate how the effective R value of various insulating materials perform and change in differing regional climates, temperature ranges, and seasonal conditions. Strategies for designing and constructing highly insulated and cost effective wall assemblies while still minimizing thermal bridging are also discussed.

Todd Kimmel

Rockwool Provider #: K269

AIA #:RWNA202 HSW | USGBC/GBCI #:920007632 | Other Credit:

03:30 PM

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 | USGBC/GBCI #:920012039 | Other Credit:

04:30 PM

End



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