



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

08:05 AM **Insulated Metal Panels: Where Performance Meets Design**

Today's specifiers expect cost-effective building solutions that deliver superior performance without compromising design or the environment. This course explains how the Insulated Metal Panel (IMP) meets those expectations. You'll see the composition of the IMP and how its materials affect thermal performance, strength, and resistance to moisture, weather, and fire. The choice of materials also contributes to green-building goals at every stage of the product's life cycle. The IMP is factory assembled, assuring high quality through consistency and accuracy. Installation costs are greatly reduced because the IMP arrives to the job site ready to install in one step. And the superior thermal performance means a reduction in operating costs (not to mention reduced emissions). Lastly, this course will deliver tremendous inspiration through project examples with numerous combinations of colors, materials, textures, and even curves that meet the functionality of any building type.

Mike Beauchamp

Norbec Architectural Provider #: 404108750

AIA #:IMPPerform HSW | GBCI (USGBC/CAGBC) #:920025347

09:05 AM **Review of Session Code Process**

09:10 AM **Making Sense of Sealants**

Participants will learn about the different families of sealants and how to choose the correct product for each application. We will discuss the effect of UV light on sealants and the difference between structural or non structural silicon sealant. And finally, the importance of surface preparation before sealing joints.

Dan Garnett, MBA

Adfast Provider #: 404109250

AIA #:AdfSealant2020 HSW | GBCI (USGBC/CAGBC) #:920025313

10:10 AM [Break](#)

10:20 AM **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.

10:30 AM

Acoustic Door Assemblies and Their Role in Sound Control

Sound control is a critical element to a building's design. How an occupant will use the space must be understood in order to deliver a healthy and functional environment free of noise. Is speech privacy important? Is this a learning environment? Does the office open to a manufacturing floor? We all think of the walls, ceiling, and floor when discussing sound attenuation. But we must not overlook the importance of an acoustic-door assembly. Without the proper acoustic door, the sound-control goals in an acoustic plan may not be met. This course will review healthy sound levels and how to test and identify target STC ratings. We'll discuss the elements of the acoustic-door assembly and how the assembly addresses fire-ratings and ADA compliance, contributes to LEED certification and green building, and provides security for classified files and electronic data.

Judah Silverman

Ambico Ltd. Provider #: J834

AIA #:AAD001 HSW | GBCI (USGBC/CAGBC) #:920024242

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.

Corbin Rinehart

WindsorONE Provider #: T109

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

12:30 PM

[Lunch](#)

01:10 PM

[Sponsor: Hughes & Associates - Yancey Hughes](#)

01:20 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

02:20 PM

Introduction to Prefabricated Fireproof Structural Columns

Structural fire protection guards essential structural components from the devastating effects of fire. This course examines the various active and passive fireproof methods that are available with a focus on the features, types, and design considerations of prefabricated fireproof structural columns designed for exposed exterior and interior loadbearing columns.

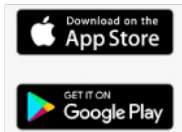
Patricia Brindle

Fire-Trol Provider #: 10008964

AIA #:0001 HSW | GBCI (USGBC/CAGBC) #:0920026530

03:20 PM

End



AIA
Continuing
Education
Provider

