ATS CONTINUING EDUCATION
ONLINE_SEMINAR
2022 Building Green - Eastern Time Zone
Tuesday, October 11, 2022

08:00 AM Welcome, Credits, and Certificates

08:05 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
Hughes & Associates Provider #: L161
AIA #:GL2020CS HSW | GBCI (USGBC/CAGBC) #:

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
Adfast Provider #: 404109250
AIA #:AdfSealant2020 HSW | GBCI (USGBC/CAGBC) #:920010342

10:10 AM Break

10:20 AM Sponsor: Boralife Technologies Inc. - Stéphane Rompré

10:30 AM **Eliminating Concrete Moisture through Sustainable Design**

Few aspects of the design process are conducted in “silos” as disassociated from one another as how many projects approach interior concrete slab specifications and subsequent flooring specification sections. This is not done intentionally, rather it is by-product of lack of coordination, and fundamental misunderstanding, between those involved with the structural elements and those involved with the aesthetic and finishing elements. During this presentation, we will discuss sustainability and what it means; drawing the attendee into a clear discussion of how sustainability relates to LEED, Lean Construction, Green Building, and process improvement. Inconsistencies with current specification processes related to concrete moisture as compared to the tenets of sustainability will be exposed, with clear recommendations given as to how the specifying professional can resolve those disconnects.

Mike Nuckolls
ISE Logik Industries Provider #: 404108239
AIA #:ISL03K HSW | GBCI (USGBC/CAGBC) #:

11:30 AM **Canadian Hardwoods -Beauty, Durability and Sustainability.**

Canadian hardwood lumber and flooring provide architects with everything they need to create beautiful, practical and durable projects and accessories, while fulfilling the need and desire to meet sustainability and green building requirements. In this presentation, we will highlight that Canadian hardwoods are the material of choice to provide durability and natural elegance, as a renewable material for commercial and high end residential projects.

Criswell Davis
Canadian Hardwood Bureau Provider #: 502111383
AIA #:CHB0821 HSW | GBCI (USGBC/CAGBC) #:920024882

12:30 PM Lunch

01:10 PM Sponsor: LAMCO Forest Products - Andrew Dingman

01:20 PM **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

02:20 PM **Chemistry in Context - Material Science in Building & Construction**

Architecture, Engineering, and Construction (AEC) professionals are asked to make informed materials decisions on an almost-daily basis - decisions which call for a foundational understanding of how those materials are made and their potential impact on the building's health, sustainability and resiliency. This course helps architects, engineers, designers and contractors navigate the complexity of materials selection by providing an overview of the role of chemistry in enhancing the product and building performance. The course provides a review of key methodologies for measuring benefits and relevant information to help inform product selection. Further, it provides a primer on how chemicals are regulated in the marketplace.

Jack Armstrong
American Chemistry Council (ACC) Provider #: 50111254
AIA #:ACC-303 HSW | GBCI (USGBC/CAGBC) #:920023810

03:20 PM Break

03:30 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

04:30 PM **Mastering Timber: How, When, and at What LOD to Introduce Carbon-Fixing Assemblies into Architectural Design**

Introduce wood structure and biogenic material alternatives at the proper level of detail in schematic design.

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.
QWEB (Quebec Wood Export Bureau) Provider #: 502111360
AIA #:MasterTimber HSW | GBCI (USGBC/CAGBC) #:

05:30 PM End