ATS CONTINUING EDUCATION SEMINAR
2023 Mixed-Topics - Live In-Person - Portland, OR
Thursday, October 19, 2023
Crowne Plaza Portland Downtown Convention Center
1441 NE 2nd Avenue , Portland, OR 97232

08:00 AM Welcome, Credits, and Certificates

08:10 AM **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

09:10 AM **Specification Strategies to Eliminate Concrete Moisture**

In many projects, installation of floor finishes is one of the last items to occur prior to substantial completion. However, 09 flooring specification sections require moisture testing before flooring can be installed on concrete slabs. When those moisture tests fail, the project faces time delays, unexpected costs, or both. During this presentation, we will: (1) give significant discussion to the importance of “design intent” and how losing focus on what the owner expects can lead to catastrophic, consequences (2) examine several misconceptions associated with field moisture testing and project owner and design team liability associated with concrete moisture induced flooring failure; and (3) we will give clear recommendations as to how the specifying professional can eliminate concrete moisture as a project delivery issue while simultaneously protecting the project owner and design team from project delivery delays/cost overruns and future failed flooring.

Bill Roper
ISE Logik Industries Provider #: 404108239
AIA #:ISL03N HSW

10:10 AM Break

10:20 AM **Working through the details: Storefront Vs. Curtain Wall**

This course will explain the differences between storefront and curtain wall designs and functions while exploring the areas of performance, cost, and applications. This session will allow the participant to discover new materials and methods, reinforcing the design intent while enhancing the architectural viewpoint.

Lawrence Ginsberg
Arcadia Provider #: T099
AIA #:SFCW-2 HSW | GBCI (USGBC/CAGBC) #:920010541

11:20 AM **How It’s Made: Today’s PVC**

PVC products have been around for 100 years. They’re common in the construction industry because of their durability and long life. But old PVC manufacturing practices still cause concern for some of today’s specifiers. This course will address those concerns head-on. We’ll talk about today’s manufacturing processes and how recycling is transforming the industry. You’ll see how PVC resin becomes a strong and beautiful product using the example of vinyl fencing. With the understanding of today’s regulations, collaboration, and green-building practices, you’ll have the confidence to specify today’s PVC products.

Taylor Coley
Barrette Outdoor Living Inc. Provider #: J696
AIA #:HIMPVC0523 HSW | GBCI (USGBC/CAGBC) #:920028037

12:20 PM Lunch

01:00 PM **MgO Sheathing for Exterior Wall Assemblies in Commercial Wood Frame Projects**

Material requirements for exterior sheathing and balancing structural performance with fire-resistance ratings of exterior walls can present unique challenges for wood frame projects. This course investigates the use of MgO sheathing panels for exterior wall applications in wood frame projects of Type III and V Construction. We begin with an overview of the MgO material properties and characteristics of MgO panels that make them uniquely suited for use as exterior sheathing. We’ll discuss how MgO panels meet code requirements for exteriors walls in these applications, including compliance with NFPA 285. Structural performance, specific fire-resistance ratings of assemblies and cladding application is included in this discussion.

Brian Shores
Huber Engineered Woods Provider #: K094
AIA #:HEW 305.1 HSW

02:00 PM Break

02:10 PM **Durable Timber: Designing for the Life Cycle of Embodied Carbon**

Architects have always had to adapt to a variety of performance indicators like energy use for their buildings. Recent years have seen a complex shift towards embodied carbon as an indicator. This shift has occurred without a full understanding of the principles of life cycle analysis (LCA), that go into the data sets for carbon. The rise of mass timber has fueled a broad interest in wood and bio-sourced building materials as a potential carbon storage solution. However, there is a real difficulty of capturing complex and regional variations in the simple frameworks of most carbon comparisons. There are competing agendas, methodology, and data presented to specifiers from all sides. Even the best advocates for timber must be humble about the range of variables while defending their choices of regenerative natural building materials. This course starts by helping the modern architectural practice to understand key definitions and principles of carbon calculation metrics and life cycle analysis. It then moves into specific comparisons that highlight the unique attributes of wood, with learning objectives demonstrating the effect of design for durability and biogenic carbon.

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 #:DurableTimber HSW | GBCI (USGBC/CAGBC) #:920027550

03:10 PM **Coating of Aluminum Extrusions**

Provides an overview of aluminum extrusion coatings and includes discussions on the aluminum extrusion process; a comparison of powder and liquid coatings; an overview of the chrome and the chrome-free pretreatment processes; and, the performance objectives of AAMA testing standards.

Taylor Coley
Barrette Outdoor Living Inc. Provider #: J696
AIA #:AG1012020 HSW

04:10 PM End