ATS CONTINUING EDUCATION SEMINAR
Mixed Topics - Live In-Person - Boston, MA
Tuesday, November 09, 2021
Boston Maggiano's Little Italy
4 Columbus Avenue , Boston, MA 02116

08:00 AM Welcome, Credits, and Certificates

08:10 AM **Prefabricated Ornamental Railing Systems**

This course will discuss the overall advantages of choosing a custom-fabricated railing system built 100% off-site, compared to off-the-shelf railing products or locally-fabricated rails. In addition to looking at the practical considerations of how prefabrication can improve overall product quality, visual appearance, installation times and budget, this course also identifies some ways to address health, safety, and building occupant welfare.

Kevin Harris
Kevin Harris is the Director of Sales & Marketing at AGS Stainless, Inc. (AGS), a railing manufacturer specializing in 100% offsite fabrication of custom railing systems. Before his position with AGS, Mr. Harris founded 4 industry-leading firms including 2 information technology firms; one specializing in the creation of web-based process management tools for Fortune 100 corporations and one that specialized in building predictive modeling applications for federal agencies. He also founded a real estate development firm that spearheaded the restoration and redevelopment of a historic seaport communities' downtown waterfront, as well as organizing and founding a state-chartered, community bank; which when it opened, was the fastest bank to receive a charter in the history of Washington State. Mr. Harris currently serves as Past Chair, of the American Institute of Architects National Custom Residential Architects Network (CRAN). He also serves as Past Co-chair, of the Board of Trustees for the National Association of Home Builders Leading Supplier's Council (NAHB LSC).
AGS Stainless Inc. Provider #: 404108593
AIA #:K1608C HSW | GBCI (USGBC/CAGBC) #:920020642

09:10 AM **Coating of Aluminum Extrusions 2018-2021**

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 #:AG101 HSW | GBCI (USGBC/CAGBC) #:920017985

10:10 AM Break

10:20 AM Sponsor: Art Massif Wood Structure - Serge Bisson

10:30 AM **Today’s Open Web Floor Joist**

Building products have evolved over many generations, but the one constant is the use of wood. From heavy timber and solid-sawn lumber to engineered-wood products, today’s wood solutions are the strongest, most efficient, and most reliable. Today’s floor systems capitalize on these advancements. This course will delve deeper into the latest all-wood open-web floor joist which features a trimmable end and precision robotic manufacturing. We’ll address safety and performance requirements like load support, fire endurance, sound management and vibration performance. Lastly, we’ll identify the benefits of today’s floor joist including LEED contribution, sustainability, mechanical clearance, time and cost savings, and installation support.

Matt Loiselle
TRIFORCE Open Joist - Built by Barrette Provider #:
AIA #:Triforce2020 HSW | GBCI (USGBC/CAGBC) #:920021939

11:30 AM **Code Recognized Magnesium Oxide (MgO) Panels Applications for Acoustic and Fire Rated Systems**

Acoustical control and fire resistance are two primary code requirements for commercial buildings. An emerging product solution that is proving successful is Magnesium Oxide (MgO) panels for wall and floor/ceiling assemblies. This course investigates specifically MgO wall and floor/ceiling applications in Type III and V construction. In this course, you will investigate the design and construction process for MgO panels in code recognized assemblies. The course begins with a description of the material and its properties, and its code compliance characteristics related to acoustical performance and fire resistance. Installation procedures and discussed, and comparisons made to alternative systems such as wet-laid gypsum underlayment.

Scott Johnston
Huber Engineered Woods Provider #: K094
AIA #:HEW 301 HSW

12:30 PM Lunch

01:10 PM **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.

Samuel Doyon Bissonnette
Unicel Architectural Corp Provider #: 404109249
AIA #:IC2tech2020 HSW | GBCI (USGBC/CAGBC) #:920019926

02:10 PM **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.

Dean Craft
ISE Logik Industries Provider #: 404108239
AIA #:ISL03K HSW

03:10 PM Break

03:20 PM Sponsor: LAMCO Forest Products - Andrew Dingman

03:30 PM **A Design Professionals Guide To: SOUND ISOLATION**

- Understand various sound isolation assemblies and their components. - Describe various steel framing products and components of sound isolation - Understand the importance of proper installation in order to achieve desired STC rating - Explain the building code requirements for sound

Dan Williams
Marino\Ware Provider #: J835
AIA #:MW005 HSW

04:30 PM **Expansive Components in Concrete**

In this course, we will discuss the benefits of shrinkage compensating concrete and how it can be implemented in a variety of applications according to ACI standard. We will discuss control joints, how to eliminate them, the long term maintenance costs associated with control joints. We will also discuss the sustainability of concrete when treated with Green Canvas, the life cycle is 250% greater than normal concrete, the abrasion resistance is 300% greater and it is waterproof on the surface.

Tom Hollis
Green Umbrella Provider #: 40107769
AIA #:AIACESGU104-22 HSW

05:30 PM End

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