



**America
Training
Solutions**

ATS CONTINUING EDUCATION SEMINAR
Chicago, IL - Thursday, August 24th, 2017
Thursday, August 24, 2017
Maggiano's Downtown Chicago
516 North Clark Street , Chicago, IL 60654



07:45 AM [Registration & Breakfast](#)

08:00 AM **Managing Condensation and Thermal Performance with Continuous Insulation**

Building codes and green building standards are continuing to raise the bar on energy efficiency and high performance in buildings. In wood-framed buildings designing for thermal and moisture management in wall cavities, as well as the air tightness of the building enclosure, are all core components to creating advanced building enclosures. This presentation will discuss the need for exterior insulation to manage heat transfer and reduce condensation in exterior walls by providing step-by-step examples of how to determine the amount of continuous insulation required to meet prescriptive code requirements depending on climate zone.

Brian Shores
Huber Engineered Woods Provider #: K094
AIA #:HEW 503 HSW | GBCI (USGBC/CAGBC) #:920012802

09:00 AM **Quartersawn American Hardwood in Sustainable Design**

At the end of this session, attendees will be able to explain the difference between Plain (flat) sawing and Quartersawing hardwoods, comparing the key benefits of each method. They will understand the efficiency of lumber production and how all by-products are used. They will also understand the recyclable nature of hardwood lumber. They will have a basic understanding of the kiln drying of hardwood lumber and how Quartersawn Lumber dries differently from Plain Sawn lumber. They will be able to cite at least two reasons why Quartersawn is superior to Plain Sawn in flooring, millwork and cabinetry applications. They will have a working knowledge of how difficult it is to certify the sustainability of American Hardwoods. They will understand the concept of "sustainable forestry" and selection harvesting and that there is twice as much hardwood growing in the US now as compared to 50 years ago. They will know the realities of clear cutting width and length yields from the 3 grades of quartersawn hardwoods. This understanding will allow them to design projects with these natural variation realities in mind.

Criswell Davis
Frank Miller Lumber Company, Inc. Provider #: 406119285
AIA #:FML215 HSW | GBCI (USGBC/CAGBC) #:920007684

10:00 AM [Break](#)

10:15 AM **Effective Waterproofing**

This course explains some of the issues relating to concrete deterioration as a result of water penetration. The course also describes the different methods of dampproofing, waterproofing, and vaporproofing and differentiate between positive- and negative-side waterproofing. The course also identifies the various types of waterproofing systems and differentiates between them. This program is registered with the AIA/CES for continuing professional education, and is HSW-approved. The course earns one learning unit (LU).

Russ Snow
W. R. MEADOWS INC Provider #: J164
AIA #:OSW101 HSW | GBCI (USGBC/CAGBC) #:920013271

11:15 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

12:15 PM Lunch

01:15 PM Decorative Concrete Sealers/Densifiers for Polishing Concrete

Course will cover compatible concrete cures, liquid densifiers chemistries, and stain resistant sealers. Treatments for new and existing polished concrete surfaces, and key features of polishable overlays incorporating color in existing and retrofitting old concrete floors.

Michael LeMark
SpecChem Provider #: 40107425
AIA #:40107425-2 HSW | GBCI (USGBC/CAGBC) #:920012504

02:15 PM Sound Control in Construction 16 old

This course defines the importance of sound control in the building industry where proper design can help avoid Litigation & Remediation. We will discuss building code criteria including International Building Code (IBC-1207) and International Residential Code. We will identify areas where sound control is necessary in wall & floor/ceiling assemblies. We will then offer an explanation of terminologies including: STC, IIC, NRC, Use Patterns and Flanking Sound. The mechanisms of sound transmission and its attenuation will be discussed including: Mass, Double Leaf Construction, Field Damped Mass, Decoupling, Unbalancing, Coincidence Effect and Sound Masking.

Terry Connor Jr.
Homasote Provider #: J582
AIA #:Soundatten16 HSW | GBCI (USGBC/CAGBC) #:920007666

03:15 PM Break

03:30 PM Benefits of Impermeable Concrete & Permanent Impermeable Repair Materials

This Program addresses the impact of traditional & impermeable concrete inside & outside the building envelope. It discusses methods to improve longevity and consequently sustainability of all concrete applications. It provides a solution to the moisture & flooring problems as well as water and damp proofing concrete. Techniques and materials used to permanently repair concrete are discussed.

Scott Bergsbaken
SPG (Specialty Products Group) Provider #: K540
AIA #:VLock2020-1 HSW | GBCI (USGBC/CAGBC) #:920007659

04:30 PM The Evolution of Glulam High Performance, Cost Conscious Structural Design

This course reviews the evolution of Glulam manufacturing and gains an understanding of the versatility offered by 24F-V4 Glulam manufactured in framing widths and I-Joist compatible depths as a means to expand the available options designers have from the EWP product category. Further, participants will be asked to re-evaluate how they define “value engineering” along with where and when they specify custom vs. stock Glulam, based on versatility, cost, manufacturing lead time, and availability.

Jean-Christophe Gaudette
Rosboro Provider #: 40107909
AIA #:GLB052015 HSW | GBCI (USGBC/CAGBC) #:920010992

05:30 PM

End of Program



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