



ATS CONTINUING EDUCATION SEMINAR
Philadelphia, PA - Wednesday, October 30th,
2019
Wednesday, October 30, 2019



07:45 AM **Registration & Breakfast**

08:00 AM **Integrally Troweled Cure & Polished Concrete**

This program addresses the need to properly cure and finish concrete. Discusses the current ACI recommendations and the new technology that allows dramatic time savings while increasing quality of the finished product. Education in advanced concrete technology with the use of the power trowel alone to create a unique architectural concrete floor. Education in advanced methods to expose aggregate and ultra high gloss are also shown. This unique system also eliminates moisture loss which reduces cracking and seals the surface so effectively there may be no additional need for moisture mitigation.

Tom Hollis (OLD)
Green Umbrella Provider #: 40107769
AIA #:AIACESGU103-21 HSW

09:00 AM **Understanding Material Hazard, Exposure and Risk in the Built Environment**

Product and materials selection is a critical aspect of the building design and construction process. A variety of factors drive materials selection decisions, including sustainability, health and wellness issues like indoor air quality, and the desire for innovative, functional, state-of-the-art building spaces that meet 21st century needs.

Learning Objectives:

- 1) Understand the differences between hazard, exposure, and risk in terms of chemical ingredients and materials selection
- 2) Recognize the limitations of hazard-only thinking when selecting building materials
- 3) Understand how to make comparisons of products based on ingredients, performance, cost and life cycle impacts
- 4) Identify the tools available to evaluate the safety of building products and materials

Jack Armstrong
American Chemistry Council (ACC) Provider #: 50111254
AIA #:ACC301 HSW | GBCI (USGBC/CAGBC) #:920019969

10:00 AM **Break**

10:15 AM **Single Ply Roofing Systems**

During this presentation, attendees will receive an introduction to the different material types, properties and characteristics of TPO, PVC and EPDM roofing membranes. They will gain a better understanding of the different system applications and performance characteristics. Upon completion of the class, attendees will be able to identify the flashing designs for the different roof assemblies available and have the ability to match system and installation methods when considering which system would best fit their design criteria.

Joel Asrael
Johns Manville Provider #: K022
AIA #:005 HSW | GBCI (USGBC/CAGBC) #:920014234

11:15 AM **Sintered Compact Surfaces for Building Facades - (old)**

Materials used on building facades need to withstand many things, including water, wind, sunlight, and sometimes severe weather conditions. They also need to hold up to the effects of people who may inadvertently or even intentionally cause damage. This course explains what is sintered compact surfaces, advantages and applications.

George Kyriacou
TheSize Surfaces USA LLC Provider #: 40108005
AIA #:AIACE4012016 HSW | GBCI (USGBC/CAGBC) #:920015352

12:15 PM **Lunch**

01:15 PM

Get Inspired! Design Smarter, Safer, and Greener with Innovation in Wood-Framed Construction

Wood is a frequently overlooked building material for light-medium-commercial construction including mid-rise, multi-family, and mixed-use projects. This course features several North American examples that highlight the surprising capabilities of this natural resource. Many architects, engineers, and project owners often default to steel and concrete instead of wood for wall, floor, and roof assemblies. This course outlines: - common misconceptions and capabilities of code-approved wood applications. - the environmental and structural benefits of this sustainable natural resource. - the virtues of wood when engineered for pre-cut and pre-assembled components. - how wood applications integrate with building codes, construction techniques, and technical support. - how choosing wood first contributes to on-time and on-schedule projects with significant cost savings.

Jean-Christophe Gaudette

QWEB (Quebec Wood Export Bureau) Provider #: 502111360

AIA #:QWEB01 HSW | GBCI (USGBC/CAGBC) #:920014585

02:15 PM

Wood Products on Exterior Envelope - Solutions to assure Stability, Durability & Sustainability.

How do you increase the durability of your exterior envelope? What is considered today's best installation practices? What are the differences between popular wood treatment methods? Windsor Mill's AIA continuing education program touches on these issues and more, helping you design an exterior envelope that is durable and healthy for the home.

Corbin Rinehart

WindsorONE Provider #: T109

AIA #:WindsorExt1 HSW | GBCI (USGBC/CAGBC) #:920012039

03:15 PM

Break

03:30 PM

Elevator Technology

With urbanization on the rise, the vertical transportation industry is challenged more than ever to provide eco-efficient, cost-saving, and space-saving solutions. This session will cover the history of elevator technology and compare conventional applications with today's technological advancements, enabling attendees to critique the risks and disadvantages of dated technology and identify the advantages of newer technology. In particular, attendees will learn about both recent developments and future trends concerning machine-room-less (MRL) elevators. The presentation will address design benefits, installation and ownership costs, and LEED contributions.

Brett Vandergrift

Kone Inc. Provider #: J575

AIA #:Kone0001_A2 HSW | GBCI (USGBC/CAGBC) #:920007673

04:30 PM

Metal Panels 101

The course will give a general overview of the key aspects of the application, substrate selection, coating options, and fundamental benefits of metal roof and wall panels. This course is meant to give a baseline understanding of metal panels to those with limited experience and enhance and strengthen the knowledge base of those with experience with metal panels.

Chaz Schafer

Metal Sales Manufacturing Corporation Provider #: J829

AIA #:MSMC07 HSW | GBCI (USGBC/CAGBC) #:920010223

05:30 PM

End of Program



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