ATS CONTINUING EDUCATION SEMINAR
Seattle, WA - Wednesday, November 15th, 2017
Wednesday, November 15, 2017
Crowne Plaza Hotel Seattle
1113, 6th Avenue , Seattle, WA 98101

07:45 AM Registration & Breakfast

08:00 AM **Daylight and Energy: Designing with Insulating Glass Units (IGUs) with Integrate... free Louvers**

This course will explain the benefits of designing with Insulated Glass Units (IGUs) with integrated cord-free louvers including controlling heat gain and optimizing occupant health. The designer will have a better understanding of daylighting design and will be able to properly select the Insulated Glass Unit (IGU) with integrated cord-free louvers that is right for their project. Through case studies and design strategies, the designer will walk away from this course with a better understanding of designing for improved daylight and energy efficiency.

Tysen Gannon
Unicel Architectural Corp Provider #: 404109249
AIA #:UNICEL01-2020 HSW | GBCI (USGBC/CAGBC) #:920013015

09:00 AM **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.
Paul Volkoff
Homasote Provider #: J582
AIA #:Soundatten16 HSW | GBCI (USGBC/CAGBC) #:920007666

10:00 AM Break

10:15 AM **Open Air Steel Structures: benefits of working with a specialty manufacturer**

Learn about the 4 types of open air steel structures and how each canopy is beautifully engineered specific to the job. Explore the benefits of working with a specialty manufacture through a process called DEFI (Design, Engineer, Fabricate, Install). The process starts with an architectâ€™s sketch (vision) and finishes with a world class structure. This is a fast paced one hour program designed to inspire.

Tom Gold
CEAS+ / Porter Corp Provider #: 40107975
AIA #:OASS HSW

11:15 AM **Architectural Sound Separation**

This course will provide an introduction into the terminology, methods, materials and procedures used in architectural sound separation and isolation including typical assembly constructions and methods for reducing airborne noise and structural/vibration noise.

Dr. Bonnie Schnitta
Sound Sense Provider #: T118
AIA #:ACSS105 HSW | GBCI (USGBC/CAGBC) #:920014959

12:15 PM Lunch

01:15 PM **ADA and ANSI A117.1 Design Standards for Vertical Platform Lifts (1 hours - 1 ADA credits)**

This course focuses on ADA and ANSI A117.1 code limitations and accessibility code requirements for vertical platform lifts, incline platform lifts and limited use/limited application (LU/LA) elevators

Christopher Baker
Chris Baker has been a regional sales manager for Savaria, a global leader in accessibility elevators and lifts, for over 10 years. He is also a Board Member of AEMA, the Accessibility Equipment Industry Members Association. Prior to joining the Savaria team, Chris held sales and marketing roles with Sleeman Breweries and Baker-Blais Marketing. Chris holds a Bachelor's Degree in Business Management from HEC Montréal. A former squash pro, Chris was the provincial squash junior champion two years in a row, represented his province at the Canada Games, and won the men's amateur A tournament at Dartmouth University. Chris is an accredited AIA presenter, certified coach and avid public speaker.
Savaria Concord Lifts Provider #: 40107405
AIA #:AIASAV202 HSW | GBCI (USGBC/CAGBC) #:920010271

02:15 PM **Moisture Management in Tiled Showers**
Leaks and mold continue to pose serious problems for the construction industry. This seminar will
compare traditional waterproofing systems with modern waterproofing technology to show how tiled
showers have evolved. The fundamentals of both approaches, including proper design, execution,
and function will be presented, with close attention paid to common errors, as well. The benefits of
bonded waterproofing technology and how it has improved tiled showers will be stressed.
Andy Gallio
Schluter Systems Provider #: J360
AIA #:SCHL7A HSW | GBCI (USGBC/CAGBC) #:920007665

03:15 PM Break

03:30 PM **Code Compliant Exterior Systems for Wood Framed Building Envelopes**

This course investigates the most recent code changes emphasizing building envelope performance. We will explore next generation integrated solutions that simultaneously provide protection against moisture penetration, air leakage, and thermal bridging. Installation benefits and on-site quality control issues related to multi-solution integrated systems will also be evaluated.

Chris Clark
Huber Engineered Woods Provider #: K094
AIA #:HEW 505 HSW | GBCI (USGBC/CAGBC) #:920011922

04:30 PM **Design, Performance and the Modern Aluminum Window**

An in depth review of the traditional aluminum window's challenges, including condensation, convection and low thermal performance. We'll also discuss technological advances of the modern thermally broken aluminum window that increase performance levels while still providing slim lines to architectural design. This course also provides an overview of different methods of installation including the many ways to ensure windows integrate seamlessly into the air tightness layer of the building envelope. As well as specific methods of flangeless-style window rough opening preparation, flashing and integration in the drainage plane.

Learning Objectives

**Describe the differences between traditional aluminum windows and slim thermally broken aluminum windows.
**Describe the features and benefits of the modern high-performing aluminum window, including warm edge spacers, low iron glass, viscous gasses, and larger thermal breaks with continuous insulation.
**Describe anatomy and different performance factors that are considered when selecting windows, such as, Ug, Uf, Uw, SHGC, and VLT.
**Explain weatherproofing methods for flangeless window installation and discuss different methods of flashing and air sealing.

Mark Wells
Glo European Windows Provider #: 404108151
AIA #:AIACE4041 HSW | GBCI (USGBC/CAGBC) #:920011968

05:30 PM End of Program