



**America
Training
Solutions**

ATS CONTINUING EDUCATION SEMINAR
2023 Mixed-Topics - Live In-Person - Atlanta, GA
Tuesday, May 02, 2023
Maggiano's Buckhead Atlanta
3368 Peachtree Rd NE , Atlanta, GA 30326



07:45 AM **Registration & Continental Breakfast**

08:00 AM **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

09:00 AM **Compatibility and Adhesion Problems Between Sealants and Substrates**

Sealants are key in the occupant comfort and health by preventing air, mold, and moisture to penetrate the building. In this course, participants will learn what can result from incompatibility and adhesion problems between various sealants in contact with different substrates.

Denis Perron
Adfast Provider #: 404109250
AIA #:AdfSubstrate21 HSW

10:00 AM **Break**

10:20 AM **Designing Low Voltage Technology Infrastructure Spaces**

Modern environments such as classrooms, collaboration, meeting and board rooms have seen a transformation in both their overall layout and how they are being utilized, post pandemic. Low voltage systems, IT, AV, and building managements systems in the past were stand alone systems and this isolation between them caused issues for the users experience in a negative way. By working together on the early design phases, this will eliminate many challenges for designers and engineers planning a space layout. Audiovisual and data applications in various spaces will be covered, and the connectivity requirements associated with them for onsite and remote applications. This presentation will show how combining facility management, IT and AV teams on the usage of the spaces early in the process will enhance the user's experiences. A variety of ceiling, wall and floor boxes as cable management solutions will be addressed. The different features of these boxes will be covered, as well as UL requirements, electrical issues, the merging of technology aesthetics and developments in connectivity will also be discussed. Various connectivity and cable management solutions within tables and other furniture will be covered.

Glenn Collinge
FSR Inc Provider #: J721
AIA #:FSR 727 HSW

11:20 AM

Hotel Marcel & Sinclair Hotel-A case study on Hotel Energy Efficiency

In the last few years, two hotels in the US stand out regarding hotel efficiency, the Hotel Marcel and the Sinclair Hotel.

The Sinclair Hotel installed low voltage lighting and other technologies with state of the art technology and lowered the overall cost of their overhead by over 35% percent.

The Hotel Marcel took this one large step further and is the first net-zero energy hotel. Both of these hotels are registered as historical buildings.

This presentation focuses on the low voltage technology that is making it happen!

Glenn Collinge
FSR Inc Provider #: J721
AIA #:FSR729 HSW

12:20 PM

Lunch

01:10 PM

Understanding Advanced Wall Systems with Continuous Insulation

This session explores evolving trends in building enclosure technology, and subsequent changes in energy efficient building design; with especial focus on the role of continuous exterior insulation (CI). The net energy savings realized in a properly insulated building are by now well understood, and these savings are increasingly being required by stringent local building and energy codes. Current building science research and field monitoring data will be presented, to demonstrate how the effective R value of various insulating materials perform and change in differing regional climates, temperature ranges, and seasonal conditions. Strategies for designing and constructing highly insulated and cost effective wall assemblies while still minimizing thermal bridging are also discussed.

Wally Hallows
Rockwool Provider #: K269
AIA #:RWNA202 HSW | GBCI (USGBC/CAGBC) #:920023529

02:10 PM

Protecting the Built Environment from Formosan Termites

Many architects, engineers, and builders don't consider the threat of Formosan termites. They therefore leave the building owner and future occupants with the ongoing task of using chemical pesticides and/or repairing significant damage. Do you build in the termite zone? Domestic subterranean termites exist throughout the mainland. Now much of the United States is susceptible to Formosan termite infestation, which has been expanding since 1975. Any new build within this termite zone should incorporate the steps to provide long-term protection against Formosan and native American subterranean termites. This course will describe the Formosan termite and the damage it can cause. We'll review the preventative but long-term processes that many building owners take to prevent infestation. Most importantly, this course will outline the standard and enhanced processes, implemented at building construction, that protect the structure.

Bo Young
Polyguard Barrier Systems Provider #: K477
AIA #:TermiteProtect HSW | GBCI (USGBC/CAGBC) #:920025312

03:10 PM

Break

03:20 PM

Sponsor to be announced

03:30 PM

Designing for Sound Control: Effective, GREEN, Principles and Practices

In this one-hour course, design professionals will gain practical knowledge of effective principles of sound control and how they can be applied to the design of wall and floor/ceiling assemblies. We will discuss building code criteria and guidelines, including strategies to meet these requirements utilizing cellulosic fiberboard. By the end of this course, design professionals will be able to specify optimal sound control strategies that best fit each project's needs.

Chuck McPherson

Homasote Provider #: J582

AIA #:soundatten24 HSW | GBCI (USGBC/CAGBC) #:920027579

04:30 PM

Continuous Insulation vs. Cavity Insulation

This course will review an in-depth breakdown of the current uses of insulation in wall assemblies. The attendees will learn more about the differences in the use of cavity insulation versus the use of continuous insulation installed on the exterior of the building sheathing. Discussion points to include the changes of the current energy codes and the requirements for the use of continuous insulation in the majority of future projects. The participant will be able to better evaluate their current wall assemblies and understand the requirements that are dictated by current codes.

Lee Bybee

Ox Engineered Products Provider #: 40107972

AIA #:OXAI203 HSW | GBCI (USGBC/CAGBC) #:920022248

05:30 PM

End



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