



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

08:00 AM **Principles of Below Grade Structural Waterproofing**

The overall emphasis of this presentation is to discuss waterproofing systems for below grade structural applications with an emphasis on foundation walls and underslab applications. This technical presentation will begin with a discussion covering the definition of waterproofing versus dampproofing, a brief history of waterproofing, and examination of the typical types of structures that require below grade waterproofing. The presentation will then discuss the design considerations that affect the selection of a waterproofing system, including water management, waterproofing location, and protection system.

Nitharsan Kugadas
Sika Corporation Provider #: J492
AIA #:SIKA510 HSW | GBCI (USGBC/CAGBC) #:

09:00 AM **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.

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

10:00 AM [Break](#)

10:10 AM [Sponsor: Lainco inc - Linda Robert](#)

10:20 AM **Elevating Design**

Design professionals, general contractors, owners or facility manager will gain a thorough understanding of the top five challenges inherent to flexible spaces (using operable walls). They will also be shown examples of how to address them.

Mike Pappas
Skyfold Provider #: J756
AIA #:SKY 0007 HSW | GBCI (USGBC/CAGBC) #:

11:20 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 | GBCI (USGBC/CAGBC) #:

12:20 PM [Lunch](#)

01:10 PM

Mass Timber and Hybrid Structures

This course includes an overview of the advantages of wood, steel and concrete to obtain the most sustainable buildings. The program will explore how hybrid structures result in savings of over 50 percent in total floor thickness which can significantly reduce the embodied and operational carbon emissions of a building. Course participants will understand how combining mass timber with hybrid structures help in eliminating columns in a layout by increasing the spans of the grid.

Mark-Alexandre Johanson

Peikko Provider #:

AIA #:AIACES83986 HSW | GBCI (USGBC/CAGBC) #:

02:10 PM

Building Façade Glazing: Key Installation Procedures & Considerations

Participants will learn how to choose the appropriate silicone for use when designing and building curtain wall and store front sealant applications.

Dan Garnett

Adfast Provider #: 404109250

AIA #:AdfGlazing23 HSW | GBCI (USGBC/CAGBC) #:920026367

03:10 PM

Break

03:20 PM

Course

04:20 PM

End



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