



08:00 AM [Welcome, Credits, and Certificates](#)

08:05 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.

Bruce Zhu
Sika Corporation Provider #: J492
AIA #:SIKA510 HSW

09:05 AM **Review of Session Code Process**

09:10 AM **Solving the Concrete Moisture Issue: Commercial, Environmental and Health Benefits of Impermeable Concrete and Permanent Impermeable Repair Materials**

This Program addresses the impact of traditional & impermeable concrete inside & outside the building envelope. It discusses methods to improve durability and consequent sustainability of all concrete applications. It discusses the concrete industries' efforts to lower the carbon footprint. It provides a solution to moisture & flooring problems as well as water and damp-proof concrete. Techniques and materials used to permanently repair concrete are discussed.

Bart Bergsbaken
Long term concrete experience. Currently I sit on the Research and Engineering Board of Directors for the National Ready Mix Concrete Association. Additionally, I am on the American Concrete Institute committees for Durability, Corrosion and Nano-Technology. I have been the Technical Director for the Specialty Products Group for 10 years.
SPG (Specialty Products Group) Provider #: K540
AIA #:SPGVLMGK4041 HSW

10:10 AM [Break](#)

10:20 AM [Sponsor: QWEB \(Quebec Wood Export Bureau\) - Eli Gould](#)

Eli graduated with one of the first dual Architecture/Forestry degrees from Yale in the early '90s, with a conviction that the two fields would eventually be more linked. After a quarter century, this seems more true and even mainstream, but for many years it was an entrepreneurial effort in the small vertical wood prefab companies he ran in Vermont, and in the automated timber industry where he often consulted. For the last three years, Eli has brought those experiences into a nonprofit market development role for QWEB. When he's not trying to transform the AEC industry into a positive climate force he enjoys small town and organic farm life in Vermont with his family.

10:30 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.

Curtis Bolton

Huber Engineered Woods Provider #: K094

AIA #:HEW 503.1 HSW

11:30 AM

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.

Steve Brasington

Schluter Systems Provider #: J360

AIA #:SCHL7A HSW | GBCI (USGBC/CAGBC) #:920007665

12:30 PM

End

