



ATS CONTINUING EDUCATION
ONLINE_SEMINAR
Building Envelope Design Solutions - Central Time
Zone
Wednesday, February 08, 2023



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

08:05 AM **Designing and Specifying Wet Floodproofing**

Understand the differences between approved floodproofing options to make informed design choices. Learn about the National Floodproofing Act and the National Flood Insurance Program (NFIP). Examine the FEMA documents that provide the road map for design and material selection to qualify for NFIP protection. Define Special Flood Hazard Areas (SFHA), learn where to find local SFHA information and how to read the maps and flood zones. Discuss specific flood resistant materials selection and protection techniques included in ASCE 24 and NFIP requirements. Review specific design considerations and requirements and develop a plan to address long-term maintenance and after flood recovery and restoration. Finally share best practices and review a specific wet floodproofing design and implementation case study.

Harry Lubitz
Sika Corporation Provider #: J492
AIA #:UGLSIKA 01235 HSW

09:05 AM [Review of Session Code Process](#)

09:10 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.

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

10:10 AM [Break](#)

10:20 AM [Commanditaire: 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

Wood Glazed Facades in Net-Zero and Passive Buildings

Architects and LEED professionals understand the numerous benefits of building with wood. But, many are unaware of its application in a timber curtain wall (TCW). Today's technology provides opportunities to incorporate the beauty and energy-efficiency of wood into glazed facades that not only bring the outdoors in but also serve as the building's heavy lifter. This course will present the differences between a conventional curtain wall and a timber curtain wall (TCW) including load-bearing and non-load-bearing capabilities as well as net-zero and passive building. We will also show example of projects using TWC.

Luc Paquet

Unicel Architectural Corp Provider #: 404109249

AIA #:IC2tech2020 HSW | GBCI (USGBC/CAGBC) #:920019926

11:30 AM

Sustainable Exterior Envelope

This course focuses on the effect biological and physical agents have on the wood substrate of the exterior building envelope. After reviewing these agents, you will learn how proper installation and best building practices can limit the exposure these agents can pose to your project. Durable wood substrates will also be discussed with a comparison of popular man-made durability agents used to further protect the exterior envelope.

Dave Rogers

WindsorONE Provider #: T109

AIA #:ExtEnv2020 HSW | GBCI (USGBC/CAGBC) #:920026001

12:30 PM

End



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