



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

08:10 AM **High-Performance Glass and Aluminum Building Envelopes**

This course provides a comprehensive understanding of the glass-aluminum building envelope featured in high-rise construction. We'll review the three main- types of curtain walls and the installation process for each. Design and functionality will be addressed specifically to project objectives along with the environment-conscious benefits of using glass and aluminum. Lastly, the course will review how to avoid moisture, temperature, and other pitfalls and failures in curtain-wall installation.

Dmitry Avramenko

Alumin Techno (Alutech) Provider #: 404109291

AIA #:AluTech01 HSW | GBCI (USGBC/CAGBC) #:920021394

09:10 AM **Building Facade Glazing: Specify the right sealants in structural and non-structural applications.**

During our Building Façade Glazing training, participants will learn about the different families of sealants and how to choose the correct product for each application. We will discuss the effect of UV light on sealants and the difference between structural or non structural silicone sealants. And finally, the importance of surface preparation before sealing joints.

Dan Garnett, MBA

Adfast Provider #: 404109250

AIA #:AdfGlazing HSW | GBCI (USGBC/CAGBC) #:920020391

10:10 AM [Break](#)

10:20 AM [Sponsor: TRIFORCE Open Joist - Built by Barrette - Matt Loisel](#)

10:30 AM **Understanding Material Hazard, Exposure and Risk in the Built Environment**

Product and materials selection is a critical aspect of the building design and construction process. A variety of factors drive materials selection decisions, including sustainability, health and wellness issues like indoor air quality, and the desire for innovative, functional, state-of-the-art building spaces that meet 21st century needs.

Learning Objectives:

- 1) Understand the differences between hazard, exposure, and risk in terms of chemical ingredients and materials selection
- 2) Recognize the limitations of hazard-only thinking when selecting building materials
- 3) Understand how to make comparisons of products based on ingredients, performance, cost and life cycle impacts
- 4) Identify the tools available to evaluate the safety of building products and materials

Jack Armstrong

American Chemistry Council (ACC) Provider #: 50111254

AIA #:ACC301 HSW | GBCI (USGBC/CAGBC) #:920019969

11:30 AM

## Introduction to Engineered Glazed Timber Curtain Wall

Architects and Construction professionals understand the numerous benefits of building with wood. But, many are unaware of its application for a GLAZED TIMBER CURTAIN WALL (TCW). Today's advanced glazing technology provides opportunities to incorporate the beauty and energy-efficiency of wood into glazed facades that not only bring the outdoors in but also can serve as the building's heavy lifter. This course will present the differences between a conventional non-load-bearing curtain wall and a timber curtain wall (TCW) with load-bearing and non-load-bearing capabilities. We will also show applications of Timber projects using glulam mullions in North America.

Jim O'Connor

A construction executive and building envelope professional with a focus on architectural facades, windows, and high-performance cladding & rainscreen systems. Experienced with architectural structures, building envelopes and luxury residential & high end commercial building products. Experienced management executive with an understanding of construction practices and installation techniques. Possessing strong solution-oriented and outcomes based selling skills and the ability to develop strong relationships with Architects, CMs, General Contractors, Building Envelope Consultants, and Subcontractors.

Unicel Architectural Corp Provider #: 404109249

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

12:30 PM

Lunch

01:10 PM

Sponsor: [Art Massif Wood Structure - Geneviève Constancis](#)

01:20 PM

## Reviving the Lost Art of Moldings

This course examines historic moldings to appreciate the genius behind their design and application. It will explore the reality of modern wood resources and the direct relationship with Today's manufacturing process, as well as the use of historic moldings in Today's real world applications.

Corbin Rinehart

WindsorONE Provider #: T109

AIA #:LostArt2020HSW HSW

02:20 PM

## Sound Control In Construction

In this one-hour course, design professionals will gain practical knowledge of sound control and the many healthy and safety benefits it has for architects, builders, and occupants. It will discuss building code criteria and guidelines, including strategies to meet these requirements through various methods. By the end of this course, design professionals will be able to evaluate different sound control strategies and specify ones that best fit each project's needs.

Manker Mills

Homasote Provider #: J582

AIA #:soundatten21 HSW | GBCI (USGBC/CAGBC) #:920007666

03:20 PM

End

