



12:00 PM [Welcome, Credits, and Certificates](#)

12:05 PM **Understanding Wood Aesthetic Cladding and Soffit Technologies**

This learning unit will provide an in-depth overview of current “wood” design technologies natural and synthetic. - Identify current market “wood aesthetic” technologies - Understand the core materials of each technology - Understand the sustainable features and Life Cycle benefits for each technology based on the following criteria: Color Retention, Maintenance & Warranty - Describe the surface burning characteristics and explain how they can be specified to achieve code compliance - Installation Details - Budgetary Information

Yancey Hughes  
Hughes & Associates Provider #: L161  
AIA #:GL2020CS HSW

01:05 PM [Review of Session Code Process](#)

01:10 PM **Acetylated Wood: Discover the Difference for Siding, Decking, and More**

This course discusses the process of wood acetylation, the resulting changes to wood, applications for acetylated wood, its green credentials and a number of case studies involving acetylated wood.

Douglas Gillikin  
Doug has nearly 30 years in millwork manufacturing, OEM national account sales management and project management. Having been on all sides of the process, he understands the challenges faced beginning with inspiration, design to installation. Accsys Technologies - Titan Wood Inc. Provider #: K382  
AIA #:Accoya2020 HSW | GBCI (USGBC/CAGBC) #:920022858

02:10 PM [Sponsor: LAMCO Forest Products - Dominic Cholette](#)

02:20 PM

## **Durable Timber: Designing for the Life Cycle of Embodied Carbon**

Architects have always had to adapt to a variety of performance indicators like energy use for their buildings. Recent years have seen a complex shift towards embodied carbon as an indicator. This shift has occurred without a full understanding of the principles of life cycle analysis (LCA), that go into the data sets for carbon. The rise of mass timber has fueled a broad interest in wood and bio-sourced building materials as a potential carbon storage solution. However, there is a real difficulty of capturing complex and regional variations in the simple frameworks of most carbon comparisons. There are competing agendas, methodology, and data presented to specifiers from all sides. Even the best advocates for timber must be humble about the range of variables while defending their choices of regenerative natural building materials. This course starts by helping the modern architectural practice to understand key definitions and principles of carbon calculation metrics and life cycle analysis. It then moves into specific comparisons that highlight the unique attributes of wood, with learning objectives demonstrating the effect of design for durability and biogenic carbon.

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.

QWEB (Quebec Wood Export Bureau) Provider #: 502111360  
AIA #:DurableTimber HSW | GBCI (USGBC/CAGBC) #:920027550

03:20 PM

Break

03:30 PM

Sponsor: [Chemical Technologies Holding, Inc](#) - Andrew Dingman

03:40 PM

## **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

04:40 PM

## Specify Today's Hardwood Floors with Confidence

With a long history of specifying hardwood floors, architects and builders understand the benefits and challenges of working with the material. There's no doubt that occupants of residential and commercial buildings love the look and feel of hardwoods under their feet. But specifiers may presume that hardwood floors are more expensive and that an alternative product may install and repair easier. Architects may also be concerned that the wood is sustainably sourced. Innovation in today's solid-hardwood floors delivers renewed confidence to specifiers. This course will describe the floating hardwood floor and the solutions it brings to green building, to ease of installation and repair, and to beauty that will last for generations.

Britta Teller

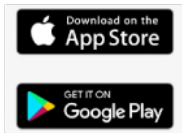
Britta Teller is Chief Sustainability Officer and a Co-Founder at Steller Floors. Five years ago, she pivoted away from her PhD-academic career in ecology and statistics to co-found Steller Floors in Tyrone, PA. Today, her team uses their exciting and innovative hardwood floors to make a positive difference in both global climate change and in their rural Pennsylvania area. Steller Floors manufactures sustainable, high quality, solid hardwood floors. With a unique ability to remove single planks from the center of the floor using a suction cup, demos of the product have gone viral on youtube, instagram and tiktok, organically earning over 10M views and engaging viewers worldwide. The flexible design of Steller Hardwood Floors, which don't use nails or glue, has also won critical acclaim in magazines like This Old House Magazine and Fine Homebuilding. Steller Floors have earned unique cross-over popularity between professional builders, architects and DIY homeowners, which is uncommon among building products and finishes.

Steller Floors Provider #: 10009045

AIA #:SFSpecFloor HSW | GBCI (USGBC/CAGBC) #:920029477

05:40 PM

End



AIA  
Continuing  
Education  
Provider

