

STREAM 'A' MINI-SEMINARS

MINI-SEMINAR PROGRAM: 1:30 – 4:00 PM

Each of the 8 Seminars Lasts 15min; Total Hours = 2.0 LU's

ACHIEVING EXCELLENCE IN ENGINEERED WESTERN RED CEDAR (WRC) - Presenter: Chad Richmond, Woodtone

STN #1

This seminar will present a range of prefinished, engineered western red cedar and SPF building products, their advantages, and their performance attributes.

REAL CEDAR - A TRULY GREEN BUILDING MATERIAL

STN #2

Presenter: Paul Mackie, WRCLA

This seminar will present the benefits of designing with sustainably harvested WRC. Learn about environmental management & certification, as well as WRC grades and sizes. Gain an understanding about finishing and installation.

DESIGNING WITH RECLAIMED WOOD

STN #3

Presenter: Amika Scott, Western Reclaimed Timber

Designing and using reclaimed wood has increased in popularity in recent years in projects both large and small. Learn the advantages of reclaimed wood. Discover some of the unique constraints when working with reclaimed wood.

CROSS LAMINATED TIMBER (CLT) – OPPORTUNITIES, CHALLENGES & NEW DEVELOPMENTS

STN #4

Presenter: Ron McDougall, Structurlam Products

Focusing on recent projects, this seminar will discuss the opportunities and challenges CLT has faced over the past year and the progress made with designing and constructing with it. Learn about new product developments with CLT and the advantages for the architect, builder and owner.

ENGINEERING WRC TO ENHANCE ITS PERFORMANCE

STN #5

Presenter: Bruce Molander, The San Group

Western red cedar (WRC) is one of North America's most long lasting species. Learn about the new advancements in NAUF resins for engineered WRC products. Learn about engineered siding benefits. Gain an understanding of the sustainability of engineered products.

ENERGY EFFICIENT PREFABRICATED BUILDING SYSTEMS

STN #6

Presenter: Ray Green, Pacific Homes Ltd

This seminar will cover how an energy efficient Pre-insulated Wall System will save both construction, time, and provide insulating values up to 128% higher than conventional construction. Understand the advantages of precision 3D modeling before the manufacturing starts, which reduces delays on site.

TIMBER MOMENT-FRAMES

STN #7

Presenter: Kai Kornith, FraserWood Industries

This seminar will provide an introduction to structural moment frames and new timber-based moment-frame systems. Learn the function of moment-frames as part of the lateral structural system of buildings. Learn about steel moment frames in timber structures: their properties and challenges. Learn about the performance comparison: steel vs. timber moment-frames

CONSTRUCTING WINDOWS & DOORS FOR THE WEST COAST

STN #8

Presenter: Braden Gierc, Fenstur Windows and Doors

This seminar will discuss features to consider when specifying user friendly wood windows and doors for West Coast applications. Learn about design options and constraints when specifying custom windows and doors.

STREAM 'B' MINI-SEMINARS

MINI-SEMINAR PROGRAM: 1:30 – 4:00 PM

Each of the 8 Seminars Lasts 15min; Total Hours = 2.0 LU's

SOLUTIONS FOR WOOD

STN #1

Presenter: Jim Barker, Barker Manufacturing

This seminar will cover several types of appearance finishes available today that will both extend the life of wood while providing the aged or reclaimed look including weathered, burnt, or hand hewn on almost any wood size and profile from heavy timber to millwork to cladding.

INTEGRATION OF PRE-BUILT AND PANELIZED WALL STRUCTURES INTO ARCHITECTURAL APPLICATIONS

STN #2

Presenter: Dale McCormack, Viceroy Homes

This seminar will cover the "how's" and "why's" of specifying prebuilt structures. Learn how prebuilt structures significantly reduce building material waste. Understand advantages of precision manufacturing and quality control in a factory setting as opposed to on-site framing construction.

BENEFITS OF WATER-BORNE WOOD PRODUCTS & TECHNOLOGIES

STN #3

- Presenter: Quinn Brown, Sansin Corp.

This seminar will explain the benefits of building with wood and how to properly maintain and protect it from the inside out. Learn what protects wood best from all of the various elements it may face including weathering, degradation, fire, bacteria and fungi.

HANDCRAFTED ENGINEERED WRC SHINGLE WALL PANEL

STN #4

Presenter: Dan Plouffe, National Forest Products Ltd

This seminar will discuss the various design features, benefits, workability, serviceability and cost savings of engineered shingle wall panels. It will discuss the pros and cons of engineered panels vs. solid shingle applications.

DESIGNING/SPECIFYING MODERN TIMBER BUILDINGS & SYSTEMS

STN #5

- Presenters: Dai Ona, Johnny Matak, Daizen Joinery

This seminar will provide a detailed overview of modern timber building techniques including key aspects of designing and specifying architectural timbers: solid sawn timbers, glulam members, and wrapped steel timber.

A WOOD FURNITURE QUALITY PARTY

STN #6

Presenter: John Lore, Live Edge Designs

In a fun and informative atmosphere, we will learn how to specify defect free wood furniture with enhanced art, beauty, and meaning. Also discussed is the oneTree experience: How you can use a single tree from your building site and use artisanal talent to preserve its heritage in your project.

THERMALLY MODIFIED WOOD

STN #7

Presenter: Scott Forbes, ScottyWood Intl.

Thermally Modified Wood (TMW) is wood that is modified, chemically free, by heating it in a specialized kiln at a precise temperature for a period of time; essentially cooking the lumber. The process significantly enhances the wood's properties. Learn about the process and how it protects wood from decay and damage; the dimensional stability of TMW; and the best applications for TMW.

INTRODUCING DOWEL-LAMINATED TIMBER, THE NEXT GENERATION MASS TIMBER PRODUCT

STN #8

Presenter: Simon Lintz, StructureCraft Builders Inc.

This session will provide a general overview into mass timber construction, featuring North America's newest product, Dowel Laminated Timber (DLT).



WoodTALKS

at the Global Buyers Mission

Whistler Conference Centre
September 7-9, 2017

Thursday, September 7

Time	Event
9:30am-10:15am	WoodTALKS Registration
10:30am-11:30am	Session 1: Wood & Steel: Working Together – From A Steel Fabricators Perspective
11:45am-1:15pm	Session 2 (Lunch and Learn): The Gifts Of Timber Structures
1:30pm-2:30pm	Session 3: Framework – Innovation With Tall Timber in the United States
2:40pm-3:40pm	Session 4: Designing a Prefabricated, Modular, Mass Timber Workforce
3:50pm-4:50pm	Session 5: Temple of Light
6:30pm-9:30pm	Welcome Reception - Roundhouse Lodge. Upload at Whistler Gondola Base ends at 7:00pm

Friday, September 8

Time	Event
8:00am-9:00am	Hot Buffet Breakfast & Grand Opening Ceremony
9:00am-12:00pm	14 th Annual GBM & Networking Tradeshow
11:45am-1:15pm	Session 6 (Lunch and Learn): Guildford Aquatic Centre: Designing The 100 Foot Span, Integrated Truss System
1:30pm-4:00pm	WoodTALKS Mini Seminar Sessions
6:30pm-9:30pm	Evening Networking Dinner/Reception Audain Art Museum

Saturday, September 9

Time	Event
8:00am-9:00am	Breakfast
9:00am-12:00pm	14 th Annual GBM & Networking Tradeshow
11:45am-1:15pm	Session 7 (Lunch and Learn): The Heights – Lessons Learned From a Large Scale Passive House

Session 1: Wood & Steel - Working Together

Presenter: Rob Third – President, George Third & Son

This presentation will provide insight from a steel fabricators point of view into the collaboration and marriage of Timber with Steel into Hybrid Structures that provide both aesthetically pleasing and structurally sound elements. Providing case studies on selected landmark hybrid structures, the presenter will illustrate how steel fabricators can combine the warmth and wellbeing properties of wood with the strength of steel.

Credits: AIBC: 1.0 Core LU; AIA: 1.0 LU/HSW



Session 2 (Lunch & Learn): The Gifts of Timber Structures

Presenter: Oberto Oberti, Principal Oberto Oberti Architects

This seminar will discuss the various forms of structural heavy timber, timber frame design, and use that can offer aesthetic solutions that combine many benefits including seismic and acoustical advantage. More importantly, this seminar will discuss how these types of timber designs and structures create an aesthetically rich environment that is economical to build and provides an unparalleled healthy environment for the structure's occupants.

Credits: AIBC: 1.0 Core LU; AIA: 1.0 LU/HSW



Session 3: Framework-Innovation with Tall Timber in the US

Presenter: Thomas Robinson, Principal, Lever Architecture

This presentation will provide an update on Framework, winner of the US Tall Wood Building Prize Competition and slated to become the first all wood high-rise in the US. The presentation will also discuss the rigorous fire, seismic, and other safety tests to prove its durability compared to typical steel and concrete construction.

Credits: AIBC: 1.0 Core LU; AIA: 1.0 LU/HSW



Session 4: Designing a Prefabricated, Modular, Mass Timber Workforce Accommodation Building in the North

Presenters: Derek Newby, Architect AIBC, MRAIC, CPHD, Leed BD+C AP, Senior Associate - Perkins+Will; Paul Cowcher, CPHD, Leed BD+C AP, Project Manager - Perkins+Will; J. Eric Karsh, MEng, P.Eng., Struct.Eng., MStructE, Ing, Principal - Equilibrium

This presentation will focus on the design of a prefabricated modular workforce accommodation complex to be built using mass-timber construction techniques. Planned for a remote location in North-east British Columbia, passive house principles have been applied to design a robust building envelope that will address the harsh climate, while offering reduced energy consumption and greater indoor comfort. Detailed explanation of the design process and strategic decisions that have resulted in the design will be shared.

Credits: AIBC: 1.0 Core LU; AIA: 1.0 LU/HSW



Session 5: Temple of Light

Presenter: Luke Stern, Senior Design Researcher, Patkau Architects

This presentation will focus on the project's design and fabrication process including 3D parametric design strategy to cope with the challenge of complex non-orthogonal, non-planar project geometry. It will discuss investigation into the inherent properties of conventional building materials and how these properties inform the development of structure and shape to create evocative identities.

Credits: AIBC: 1.0 Core LU; AIA: 1.0 LU/HSW



Session 6 (Lunch & Learn): Guildford Aquatic Centre: Designing the 100 Foot Span, Integrated Truss System

Presenter: Shinobu Homma, Architect AIBC, AAA, MRAIC, Principal, Bing Thom Architects Inc

This seminar will take the attendees through the design and construction process of the Guildford Aquatic Centre. It will show how the trusses add a visually interesting texture to the white interior, cleanly integrating the building services and, in a cat walk fashion, making them fully accessible and safe to operations staff at all times.

Credits: AIBC: 1.0 Core LU; AIA: 1.0 LU/HSW



Session 7 (Lunch & Learn): The Heights - Lessons Learned from a Large Scale Passive House

Presenter: Scott Kennedy, Principal, Cornerstone Architecture

The Heights will be one of the largest Passive House buildings in North America. This seminar will highlight lessons learned in undertaking the project. The basic envelope details and mechanical systems in the building will be summarized along with the rationale for each design decision. It will also look at how large building air tightness testing is done and what needs to be considered to ensure success.

Credits: AIBC: 1.0 Core LU; AIA: 1.0 LU/HSW



Mini-Seminar Series with Exhibitors

The mini-seminars will be held on the Whistler Conference Centre Trade Show Floor. There will be 8 accredited mini-seminars, each lasting 15 minutes and covering a variety of products and issues. Chairs and refreshments will be provided at each seminar station which will be held at exhibitors booths. There will be 5 minute breaks between sessions.

Credits: AIBC: 2.0 Core LU; AIA: 2.0 LU/HSW

