



WoodTALKS at the GBM
Whistler Conference Centre
September 8-10, 2016

The 2016 WoodTALKS Program

Your \$235 (+ tax) CAD registration fee includes:

Transportation

Your registration fee includes return bus transfer from either downtown Vancouver (from the Sheraton Wall Centre for group buses) or the Vancouver International Airport, upon request.

Meals and Networking Events

We host full, hot breakfasts and two great networking evening dinner receptions, including our special Welcome Reception at the Roundhouse Lodge, atop spectacular Whistler Mountain on Thursday Evening. On Friday evening, there will be a very special event at the amazing new Audain Museum, with a private showing of this extraordinary collection of First Nations, Canadian, and International art. Spouses are welcome to attend these two events (\$100 per event).

To register to attend, please click on the following link:

<https://reg.conexsys.com/gbm16>

Select **WoodTALKS** from the Category drop down box. Your access code is: **WoodTalk16**. After you fully complete your registration, you will receive an option to add a guest. Select **“GUEST”** in the drop down list and your access code will be **2016GBMGUEST**

Hotels & Accomodation (New)

BC Wood has reserved blocks of rooms at the Aava Hotel, a 5 minute walk from the conference centre at attractive rates for GBM Participants; We suggest reservations be made as soon as possible to ensure availability is confirmed at the special rate. **Discount rates only available until August 5th



WoodTALKS Program Agenda

Thursday, September 8 - 2 LU's

1:30pm	Registration: Whistler Conference Centre, Main Lobby
2:30pm	Welcome to WoodTALKS, Rainbow Theatre
2:45pm-3:45pm	Seminar 1: Conserving the Expedition Huts of Scott & Shackleton <i>Presenter: Gord Macdonald, Partner, Macdonald and Lawrence</i> - Rainbow Theatre
3:50pm-4:50pm	Seminar 2: Pulling The Limits Of Wood <i>Presenter: Darryl Condon, Architect AIBC, AAA, SAA, OAA, FRAIC, LEED AP – Principal, HCMA Architecture + Design</i> - Rainbow Theatre
6:30pm-9:30pm	Welcome Reception - Roundhouse Lodge, Peak of Whistler Mountain

Friday, September 9 - 3.75+ LU's

8:00am-9:00am	Breakfast & Grand Opening Ceremony – Whistler Conference Centre Foyer
9:00am-12:00pm	13 th Annual GBM & Networking Tradeshow - Whistler Conference Center
11:45am-1:00pm	Lunch & Learn: Material Operations <i>Presenter: John Patkau, Principal, Patkau Architects</i> - Garibaldi Room
1:30pm-3:30pm	WoodTALKS Mini Seminar Sessions - Whistler Conference Centre
4:00pm-5:00pm	Site tour of Audain Art Museum- Whistler, BC
6:30pm-10:30pm	GBM Evening Networking Dinner/Reception - Audain Museum

Saturday, September 10 - 1 LU

8:00am-9:00am	Breakfast – Whistler Conference Centre Foyer
9:00am-12:00pm	13 th Annual GBM & Networking Tradeshow - Whistler Conference Center
11:45am-1:00pm	Lunch & Learn: Carbon, Construction And Cop 21 – What Designers Need To Know About Wood And Carbon To Address Global Climate Change <i>Presenter: Peter Moonen, Wood Works, BC</i> - Garibaldi Room

*Please note, free wifi can be accessed by connecting to 'BC Wood Wifi'. There is no password required to connect to the network.

Thursday, September 8

1:30pm	Registration: Conference Centre, Main Lobby
2:30pm	Welcome to WoodTALKS - an introduction on the WoodTALKS Program and the GBM - Rainbow Theatre
2:45pm-3:45pm	Seminar 1: Conserving the Expedition Huts of Scott & Shackleton Presenter: Gord Macdonald, Partner, Macdonald and Lawrence - Rainbow Theatre
3:50pm-4:50pm	Seminar 2: Pulling The Limits Of Wood Presenter: Darryl Condon, Architect AIBC, AAA, SAA, OAA, FRAIC, LEED AP – Principal, HCMA Architecture + Design - Rainbow Theatre
6:30pm - 9:30pm	Welcome Reception - Roundhouse Lodge, Peak of Whistler Mountain

SEMINAR INFORMATION

Seminar 1: Conserving the Expedition Huts of Scott & Shackleton

Presenter: Gord Macdonald, Partner, Macdonald & Lawrence

Antarctica is the only continent on Earth where the first human dwellings still stand today. As the lead building conservator for the Antarctic Heritage Trust, Gord Macdonald has spent over a year 'on the ice' as part of an international effort to conserve these modest wooden buildings in the Ross Sea of Antarctica. These huts are the legacy of the so-called 'Heroic Age of Exploration', when polar explorers Scott, Shackleton and Borchgrevink made various attempts to explore the previously unknown continent and attain the South Pole. The \$35M project is the first of its kind, representing an extraordinary collaboration between government and non-profit organizations, involving more than 60 experts from around the world.

The presentation will provide an overview of the speaker's twelve-year history with the project, and explore some of the most significant technological advancements of the Trust's work. As we all know, the impacts of global climate change are dramatically revealed in the Polar Regions, and there are many lessons that can be learned from this project and applied to the evolving circumstances of the Canadian Arctic.

Seminar 2: Pulling the Limits of Wood

Presenter: Darryl Condon, Architect AIBC, AAA, SAA, OAA, FRAIC, LEED AP – Principal, HCMA Architecture + Design

This presentation will focus on structurally innovative uses of wood in public buildings. Case studies will include public library, community centre, fire hall and aquatic facilities. This seminar will outline the design process and decision making that led to unique and innovative buildings that integrate innovative structure with strong architectural expression. Included will be a detailed case study of tensile roof of the newly completed Grandview Heights Aquatic Centre, in Surrey BC.

Friday, September 9

8:00am-9:00am	Breakfast & Grand Opening Ceremony – Whistler Conference Centre Foyer
9:00am-12:00pm	13 th Annual GBM & Networking Tradeshow
11:45pm-1:00pm	Lunch & Learn: Material Operations Presenter: John Patkau, Principal, Patkau Architects - Garibaldi Room
1:30pm-3:30pm	WoodTALKS Mini Seminar Sessions - Whistler Conference Centre
4:00pm-5:00pm	Site Tour of the Audain Art Museum
6:30pm-10:30pm	GBM Evening Networking Dinner/Reception - Whistler Conference Centre

SEMINAR INFORMATION

Lunch & Learn Seminar: Material Operations

Presenter: Presenter: John Patkau, Principal, Patkau Architects

This course will focus on a series of ongoing research projects which are gathered together under the umbrella title of 'Material Operations'. Material operations are centered on the simple manipulation of conventional materials to create remarkable structures and volumes. At a most basic level they follow the formula: Material + Force = Form. Three key interests will be covered in this session. First is the nature of specific materials, second is their response to different applications of force, third, and ultimately, the integral relationships between form, structure and space. The presentation will include research into both wood and sheet metal with a strong emphasis on the unconventional use of lumber, timber, and engineered wood products.

Mini-Seminar Series with Exhibitors

1:30pm-3:30pm

The mini-seminars will be held on the Whistler Conference Centre Trade Show Floor. There will be eight accredited mini-seminars, each lasting 20 minutes and covering a variety of products and issues. In total, the 8 seminars will cover 8 different topics including: engineered wood products, timber frame & connectors, millwork products, and more. 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 and a 15 minute break after session 5.

Stream A

- Western Red Cedar Lumber Association
- Daizen Joinery Ltd.
- Woodtone
- Fraserwood Industries
- Western Reclaimed Timber
- Structurlam Products LP
- Barker Manufacturing

Stream B

- StructureCraft Builders
- Sansin Corporation
- Westeck Windows and Doors
- Viceroy Houses (2015) Limited
- Fenstur Windows and Doors
- National Forest Products
- Terminal Forest Products



SITE TOUR OF THE AUDAIN ART MUSEUM

Overview:

Designed by Patkau Architects, the Audain Art Museum located in Whistler, BC, is an iconic 55,230-square-foot museum that houses a unique and permanent collection of British Columbia art and hosts exhibitions from leading museums around the world.

Built on a floodplain, the distinctive hockey-stick shape and look of the building was designed and constructed to respond to the site, environmental issues, and to the art collection art it houses.

The museum provides a great example of integrating the aesthetics of wood with the strength and mass of a concrete and steel structure including the walkways and the entry — anything you see from the outside — is covered with wood that is illuminated to act like a lantern which is designed to give the building a 'warm glowing character.' Also notable, above the entry porch is an oculus ribbed with strips of Hemlock and is designed to allow natural light into the interior of the museum.

The tour and seminar will provide attendees with a first-hand inner look into the challenges and solutions the architect faced in designing a museum specifically for Native Art while integrating the building seamlessly into its surroundings.

- Learn how the building was designed to respond to both its surroundings and purpose of specifically housing BC Native Art
- Learn about the challenges and ultimately successful solutions in designing and constructing a building on a floodplain that will withstand the most extreme flood expected in the next 2,500 years.
- Learn how the unique design of "illuminated wood" on the walkways and entry – anything seen from the outside - provides warmth to the building
- Learn how the building was designed and constructed to meet international humidity and temperature control standards (HVAC) and secure protection for the art.

Presenters:

- JOHN PATKAU, ARCHITECT AIA, AIBC

Duration: 1 hour



Saturday, September 10

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9:00am-12:00pm	13 th Annual GBM & Networking Tradeshow
11:45am-1:00pm	Lunch & Learn: Carbon, Construction And Cop 21 – What Designers Need To Know About Wood And Carbon To Address Global Climate Change Presenter: Peter Moonen, Wood Works, BC - Garibaldi Room

SEMINAR INFORMATION

Lunch & Learn Seminar: Carbon, Construction And Cop 21 – What Designers Need To Know About Wood And Carbon To Address Global Climate Change
Presenter: Peter Moonen, Wood Works, BC

Embodied Carbon footprint reduction of construction, while not in every nation's commitments, has been increasing in some national, regional, and local government policies. Embodied impact reduction becomes an increasingly critical factor in material selection since these impacts have both immediate and long-term effects – positive and negative. Building performance improvements further skew the value of recognizing embodied emissions by changing the relative balance between embodied emissions and operational ones.

Designers can expand the use of wood in a variety of building types by understanding the carbon aspirations of jurisdictions and contextualizing the benefits of using wood within these regulations and policies. New life Cycle Analysis and carbon assessment tools can provide designers with messages about wood that are both science-based (to diminish conflicts with other material sectors) and understandable by key influencers, users and regulators.



PRESENTER INFORMATION



Gordon Macdonald, Partner, Macdonald and Lawrence

Gord Macdonald is the CEO of Macdonald & Lawrence Timber Framing. He is a master carpenter and building conservator with more than 30 years' experience working with historic timber buildings, design through to build of custom homes, and public buildings and structures. He has delivered projects on six continents including Antarctica where he spent nine seasons 'on ice' restoring the expedition huts of the early polar explorers, Scott and Shackleton.

Gord has led his carpentry teams through a range of interesting and award-winning projects including the Kinsol Trestle rehabilitation project (the Kinsol Trestle is one of the tallest free-standing and most spectacular timber rail trestle structures in the world). Gord's achievements also include the restoration of medieval houses, the re-creation of a 30-ton Roman war machine for BBC Television, and the construction of a 10,000 square-foot timber space frame to support Europe's largest solar array.

Gord has delivered a variety of presentations to groups ranging from local interest, all levels of government, to the 'Association for Preservation Technology International'. He is an instructor with the Cultural Resource Management Program at the University of Victoria where he teaches practical building conservation and is also the President with Heritage BC.



Darryl Condon, Architect AIBC, AAA, SAA, OAA, FRAIC, LEED AP – Principal, HCMA Architecture + Design

Darryl Condon is Managing Principal of Vancouver based Hughes Condon Marler Architects. Darryl graduated from McGill University in 1990 and subsequently began his professional career with IKOY Architects in Regina. He joined Vancouver based Hughes Baldwin Architects in 1994 and in 1999 became a partner in Roger Hughes + Partners Architects, the predecessor of Hughes Condon Marler Architects.

For the past twenty years he has been engaged in the process of community building through his ongoing work on a wide variety of community building types, particularly community centres, libraries, aquatic centres, fire halls and other municipal facilities.

In addition to his professional work he is an active volunteer with several not-for-profit organizations as well as serving as a Councillor and Vice-President of the Architectural Institute of British Columbia.

At HCMA, Darryl has spearheaded the firm's Community Responsibility initiatives as well as its highly successful Intern Architect development program. Darryl completed his architectural education at McGill University.

His work, which includes competition wins in both British Columbia and Quebec, has been recognized nationally and internationally with approximately 50 awards for design excellence.



John Patkau, Principal, Patkau Architects

John Patkau and his wife Patricia are principals of Patkau Architects a firm which they founded in Edmonton in 1978, and then moved it to Vancouver in 1984. In over 35 years of practice, the studio has been responsible for a wide variety of project types, ranging in scale from art installations to major urban buildings.

Current work includes the Polygon Gallery in North Vancouver; the Audain Art Museum in Whistler, the Yasodhara Ashram in Kootenay Lake; the Capilano Library in Edmonton; the Faculty of Music in Winnipeg, and several private residences.

The practice is also actively engaged in architectural research. Their current work explores the potential resulting from the response of materials to applications of force. A compendium of these investigations will be published in Material Operations, a forthcoming book by Princeton Architectural Press.

Patkau Architects has received numerous awards for its work, including several Governor General's Medals and awards from the Royal Architectural Institute of Canada and the American Institute of Architects.

John has taught and lectured extensively in Canada, the United States and Europe. He and Patricia were appointed Members of the Order of Canada in May 2004.



Peter Moonen, Wood Works, BC

Peter Moonen is National Sustainability Manager for the Canadian Wood Council, the national association representing manufacturers of Canadian wood products used in construction and which provides technical support to build a strong wood culture in Canada through education, training and awareness.

He regularly presents on achieving greater sustainability and the appropriate use of wood in Asia, Europe and throughout North America to design professionals, educators and building officials. His work supports various industry associations, export marketing groups and both provincial and federal government departments including support of Canada's Corps of Trade Commissioners and overseas marketing groups in their work to sell Canadian

products and services and opportunities for investment in the sector.

Peter was an organizer and session facilitator at the UN Timber Committee and market reviewer specializing in wood and the green economy for the Forest Products Annual Market Review published by the UNECE Forestry and Timber section. Peter has a degree in Marine Biology and zoology from UBC and has used that as a technical communications specialist to advance wood and the forest sector. He has more than 30 years' experience dealing with regulatory, environmental, sustainability and operational issues.