

April 24th - 26th, 2016  
Hidden Valley Resort, Huntsville



Get plugged into the  
industry's best!

## Spring Training Camp

for Advanced Building Science & Practical Application

### The Speakers

Tex McLeod . Gord Cooke . John Straube  
Mark LaLiberte´ . Robert Bean . Jim Larsen  
Jeff Baker . Christine Cronin . Andy Oding

#### The Invitation

Camp helps you change your thinking on housing conferences. It changes the ordinary into the amazing - an event where the format, venue, and informal setting come together to enhance the sharing of knowledge and experience between participants and speakers. Join with other builders, renovators and industry professionals in discussing issues and topics that challenge the home building industry, today and in the days to come. Carpe Diem – Seize the Day.

#### Who's Invited

Spring Training Camp is by invitation only to:

Senior design, construction and R&D staff of leading homebuilders and condominium developers.

Utility representatives who have been actively promoting energy management programs to the Canadian industry.

Energy consultants that influence the adoption of technology by their clients.

Leading manufacturers who have supported energy efficiency, including those that are actively engaged in Net Zero energy projects.

#### The Hosts

John Straube, Gord Cooke and Tex McLeod have combined their talents to create Spring Training Camp with you in mind. This way we get to bask in the glory when everything goes well, and minimize or spread the pain when it doesn't.

## Price & Logistics

There is magic in getting folks out of their routine and away from the day to day. With that in mind, we've created an all-inclusive fee at the wonderful Hidden Valley Resort that covers pretty much everything.

**Your room registration will be looked after by the organizers. There is no need for you to contact the resort about your reservation.**

**Camp Fees** - \$845 plus HST per person. Your room will be ready after 3 pm on April 24th. Sunday Event Check-In / Itinerary Pick Up: 3 pm - 11:00 pm in the Resort Front lobby. You'll be on your own for dinner on Sunday Night, but you're encouraged to drop by our reception room on Sunday evening between 7:30 - 11 pm.

## What's Included:

- 2 nights accommodation (Sunday, April 24th & Monday April 25th)
- Sunday Night Informal Drop-in Reception 7:30 - 11:00pm
- Monday (breakfast, break, lunch, break, dinner)
- Tuesday (breakfast, break, lunch)

\*Please email [rachel@buildingknowledge.ca](mailto:rachel@buildingknowledge.ca) with any dietary restrictions that require a special menu beyond what you can enter within the registration page.

## The Location

Hidden Valley Resort  
[www.hvmuskoka.com](http://www.hvmuskoka.com) | 1.705.789.2301  
 For location details and driving directions visit the resort's website.

## Preliminary Agenda

General Focus for Day 1 is Comfort. Day 2 will be focused more on walls.

### Monday, April 25, 2016

Time	Speakers	Topic
7:00 am		Breakfast
8:30 am	John Straube Tex McLeod Gord Cooke	Camp Opens & Introduction  A review of last year's action items and progress made
8:45 am	Robert Bean	<b>Let's talk COMFORT</b> - The highly acclaimed Rocky Mountain Institute recently stated, "Seventy percent of whole home performance customers cited comfort as a reason for their upgrade." Why is it, then, that in an industry built around creating thermally comfortable environments most can't accurately describe, nor define comfort? Robert Bean will take us through the fundamentals and applications of thermal comfort and why this is the becoming the new metric for the next generation of housing. Robert is an authority on indoor environmental quality and the human factors related to thermal comfort. He serves on ANSI/ASHRAE Standing Committee 55 - Thermal Environmental Conditions for Human Occupancy. He specializes in building and human factors to design healthy and comfortable indoor climates in high performance homes. At Camp he will help bridge the gap between building performance and the choices you make in design, interior finishes and HVAC systems and your client's physiology and psychology comfort.

## Monday, April 25, 2016 Continued...

10:15 am		Coffee Break
10:30 am	Robert Bean Gord Cooke	Gord and Robert will report on the compelling changes to codes across Canada and the implementation process of the new CSA F280 Heat Loss / Heat Gain Standard, that will have a very positive impact on HVAC performance and comfort control in new homes.
11:15 am	Robert & Builders Panel	Leading builders who have been trying new HVAC strategies in high performance homes will join Robert to discuss their successes and challenges
12:00 noon		Lunch
1:15 pm	Jim Larsen	Clear thinking about windows – Jim Larsen is the Director, Technology Marketing for Cardinal Glass industries. He brings a unique and helpful perspective as to the role new window technologies will play - not only in low-energy housing, but also a cost effective role in meeting ever increasing energy code and occupant comfort expectations. Jim will help us navigate through the technologies, window testing and the energy trade-offs available and challenge your thinking on: The presumption that European, “Passive House” windows are superior The “conventional” wisdom regarding window energy trade - offs using a new window comfort metric that he helped develop.
2:45 pm		Coffee Break
3:00 pm	Jeff Baker Jim Larsen	<b>Windows Again</b> - Jeff Baker, Chair of the National Fenestration Rating Council (NFRC) Technical committee and Vice-Chair of the CSA A440 Window Installation Standard committee will join Jim and identify changes to building codes with respect to window installations – changes that may surprise you.
3:40	Christine Cronin	Big Challenges, Big Opportunities - With a background in architecture and as the daughter of Dr. Joe Lstiburek, Christy is bilingual - she speaks both design and performance. She has been working on multi-family buildings in many US markets and will share with us the challenges she is seeing in the field inherent to complex multi-family buildings.
4:30 – 4:45	John, Tex, Gord	Daily wrap up and Summary
5:30 – 6:45		Group Dinner
7:00 – 9:30	Tex to host, Cash Bar	<b>“Open Mic Night”</b> - Sign up for your 10 minutes of fame – topic of your choice

Tuesday, April 26, 2016

Time	Speakers	Topic
7:15 am		Breakfast
8:30 am	John Straube Tex McLeod Gord Cooke	Welcome Back
8:45 am	Mark LaLiberte	<p><b>Building Strategic Partnerships</b></p> <p>Mark is a strategic thinker, he meets with thousands of builders, designers, trade contractors, building supply dealers, manufacturers, distributors and energy raters each year and he wants to help you learn about the compelling trend that is re-shaping our industry - strategic partnerships. Mark will share the new ways that leading builders have found to implement the process and technical improvements needed to meet code and homeowner expectations in a more timely and cost effective way.</p>
10:00 am		Coffee Break
10:15 am	Mark LaLiberte Gord Cooke	Mark and Gord will be joined by leading manufacturers who have found more effective ways to assist builders in achieving their high performance objectives
10:45 am	John Straube	<p><b>Earth, Wind and Fire – Practical Party Walls</b></p> <p>Last year there was extensive discussion about new opportunities in tall wood construction. However, your feedback pointed out that we needed to focus on best practices for party walls that meet your expectations for air, sound and fire control. At this session, John will demonstrate practical details for the 4 most common party wall assemblies used in our industry.</p> <p>John will also facilitate a presentation of solutions from leading manufacturers of fire and sound control products and challenge them to identify effective air sealing strategies of their assemblies</p>
12:00 noon		Lunch
1:15 pm	John Straube	<p><b>Five Ways – Zero Ready Walls</b></p> <p>John and his colleagues at RDH Building Science will show you the 5 walls that you should focus on as you move towards net zero homes. This segment will outline the options available to you and how to evaluate and decide on the ones that make the most sense in your near-zero residential project.</p>
2:20 pm	Andy Oding	<p><b>Net Zero – once more with gusto</b></p> <p>We talked Net-Zero projects last year, but we know you are looking for a progress report on the important finds that are making net zero homes more and more cost effective with every project. This session can help you narrow your options and focus your attention on what works.</p>
3:00 pm	John Straube Tex McLeod Gord Cooke	Final Wrap-up. A review of our action items from last year and a creation of a new list for 2016. Be part of the solution
3:15		Camp Closes – Go Forth and Prosper

## The Speakers

**Mark LaLiberté** – Construction Instruction / Laliberté Online - Mark is a strategic thinker, he meets with thousands of builders, designers, trade contractors, building supply dealers, manufacturers, distributors and energy raters each year and he wants to help you learn about the compelling trend that is re-shaping our industry - strategic partnerships.

**Robert Bean** – Indoor Climate Consultants, Calgary - Robert is an authority on indoor environmental quality and the human factors related to thermal comfort. He serves on ANSI/ASHRAE Standing Committee 55 - Thermal Environmental Conditions for Human Occupancy. He specializes in building and human factors to design healthy and comfortable indoor climates in high performance homes.

**Jim Larsen** – Jim Larsen is the Director, Technology Marketing, for Cardinal Glass industries. He brings a unique and helpful perspective as to the role new window technologies will play - not only in low-energy housing – but, also as a cost effective role in meeting ever-increasing energy code and occupant comfort expectations.

**Jeff Baker** - Jeff received his Master's Degree from the University of Waterloo, studying fenestration heat transfer. Jeff has spent the last twenty-nine years working in the fenestration energy analysis field. Jeff is currently the President of WESTLab Canada. Jeff is the technical consultant for Fenestration Canada, chair of the NFRC board of directors, chair of the CSA A440 technical committee on fenestration performance, member of the CHBA TRC, and participates in several Canadian national building code committees. In his free time, Jeff is an avid sailor and landscape photographer often trying to combine these to activities.

**Christine Cronin** - Christine works with developers, contractors, and architects to mitigate the risk of technical failures in new construction. She is well-versed in both commercial and residential design, reviewing drawings and making recommendations that promote appropriate water control, air control, energy efficiency, constructability, and durability. For clients with a portfolio of upcoming projects, she assists in developing design standards commensurate with their tolerance for risk. During the construction phase, Ms. Cronin reviews work in progress and addresses conditions or changes in sequence or scope that were not anticipated during the design phase.

Ms. Cronin is Secretary and a voting member of ASHRAE Technical Committee 1.12, Moisture Management in Buildings, and a member of the Northeast Sustainable Energy Association (NESEA).

**Gord Cooke** - Gord is a professional engineer, trainer, author and industry consultant who has worked across North America to help builders and their trades find the path to continuous improvement in high performance buildings. He is the president of Building Knowledge Canada and one of the organizers of Spring Training Camp.

**Tex McLeod** - Tex is a successful developer with more than 30 years of experience as one of Canada's leading presenters on energy, housing and indoor air quality. Tex's latest development 'Gryffin Bluffs' is located just south of Huntsville. He is the president of The McLeod Associates and one of the organizers of Spring Training Camp.

## The Speakers Continued...

**Andy Oding** - Andy is a Senior Building Science Associate for Building Knowledge Canada and has over 20 years of experience in the residential housing industry. As Operations Manager for a large Production home Builder for 13+ years, Andy is known for leading practical and cost effective projects towards efficiency, durability and Net Zero. A certified HVAC designer and trainer, Andy is also chair of the new CHBA Net Zero Homes Committee and Chair of the OHBA Technical Committee.

**Dr. John Straube** - John is an internationally recognized expert on moisture control, hygrothermal analysis, low energy buildings and building enclosure performance. He is a prolific writer, a noted public speaker and a sought-after “building performance coach”. John worked on FP Innovation’s Technical Guide for the Design and Construction of Tall Wood Buildings in Canada. He is also a principal at RDH Building Science Inc and one of the organizers of Spring Training Camp.

**Cameos and Open Mic** - Throughout the agenda, special guests will make cameo appearances. Recognizing we will have more talent than time, we will also host an open mic evening on Monday the 25th, following dinner. Participants are invited to bring a short 10 minute presentation on a stick. Let us know ahead of time if you’re interested, and tell us why you should be heard.

### EVENT INQUIRIES

Please call or email Rachel at  
Building Knowledge with inquiries:  
1.519.241.2767  
[rachel@buildingknowledge.ca](mailto:rachel@buildingknowledge.ca)