

# SPRING TRAINING 2024

Advanced Building Science

April 14-16, 2024 ▪ Mono, ON

Amid a historic housing crisis, we have the smarts to apply new strategic ways to construct low-carbon, climate-ready, affordable homes for Canadians. Are there solutions to building low carbon, electrified communities WITHOUT 400-amp panels and grid utility constraints; communities that are an ASSET to the grid as opposed to a challenge? Can we increase the quality of construction and occupant satisfaction while also lowering build costs and streamlining the regulatory and permit application process? We'll take a deep dive into a bit of everything at this year's Spring Training for Advanced Building Science—we're glad you've joined us!

**Gord Cooke, Andy Oding, Mark Rosen  
& Tex McLeod**



**THE MCLEOD ASSOCIATES**



**Canada**

## SUNDAY, APRIL 14

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**7:00-10:00 PM** Meet & Greet Hospitality + Registration

## MONDAY, APRIL 15

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**7:00-8:00 AM** **Breakfast** (included at your hotel accommodations)

**8:00-8:30 AM** **Welcome**  
Gord Cooke, Andy Oding & Mark Rosen

**8:45-10:00 AM** **Part 1 - Living Better Below Grade: The Enclosure & HVAC Building Science Behind Basement/Below Grade Suite Finishing**  
Dr. John Straube, RDH Building Science Labs

**10:00-10:15 AM** **Break**

**10:15-11:15 AM** **Part 2 - Living Better Below Grade: The Enclosure & HVAC Building Science Behind Basement/Below Grade Suite Finishing**  
Dr. John Straube, RDH Building Science Labs with Gord Cooke, BKC

**11:15 AM-12:30 PM** **A Large US Homebuilder Takes Aim at the New, Electrified American Home & Communities That HELP the Grid**  
Kirk Hammersmith, PulteGroup; Ryan Harris, SPAN; Leigh St. Hilaire, Volta Research Inc.; with Andy Oding, BKC

**12:30-1:30 PM** **Lunch**

**1:30-2:20 PM** **Sound, Fire, Odour & Air: Multi-Family Suite Compartmentalization—New Studies & Strategies**  
Dr. Michal Bartko, National Research Council Canada; Brian Cooke, Aereoseal Canada; Mark Rosen, BKC

**2:20-3:10 PM** **Manufactured Housing: A Look at the Future of Rapid, Affordable Housing and the Technology That's Driving It Forward**  
Ramtin Attar, Promise Robotics; Ben Miller, Big Block Construction; Lynne Strickland, CHBA; with Andy Oding, BKC

**3:10-3:25 PM** **Break**

**3:25-4:15 PM** **Here Is Your Canadian House. Here Is Your Canadian House on the NBC 2025.**  
Alexis Minniti, BKC; Miyoko Oikawa, OHBA; Paul DeBerardis, RESCON; with Mark Rosen, BKC

**4:15-4:30 PM** **Wrap-Up**  
Gord Cooke, Andy Oding & Mark Rosen

**6:30 PM** **Dinner**

**7:30-9:30 PM** **Open Mic: Building Science Un-Plugged**  
Hosted by Gord Cooke & Andy Oding | Cash Bar

## TUESDAY, APRIL 16

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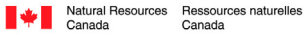
- 7:00-8:00 AM**      **Breakfast** (included at your hotel accommodations)
- 8:00-8:30 AM**      **Welcome Back**  
Gord Cooke, Andy Oding & Mark Rosen
- 8:30-9:00 AM**      **HomebuildersCAN: Canadian & US Builders Take the Lead in Benchmarking and Disclosing Carbon Emissions—Embodied and Operational**  
Chris Magwood, Rocky Mountain Institute; Doug Tarry, Doug Tarry Homes
- 9:00-10:00 AM**      **Top 4 Embodied Carbon Opportunities in Canadian Homes: The Future Looks Bright**  
Chris Magwood, Rocky Mountain Institute; Aaron Smith, EEBA; Robert Jonkman, CWC; Greig Murphy, EnerQuality; with Gord Cooke, BKC
- 10:00-10:15 AM**      **Break**
- 10:15-11:15 AM**      **Backyard Building Science: Testing a Vapour-Open Wall System**  
Trevor Trainor, Bawating Building Science
- 11:15 AM-12:00 PM**      **Groundbreaking Enclosure Testing & Resiliency Construction Guidance for a Changing Climate**  
Dr. Cynthia Cruickshank, CABER, Carleton University; Stefanie Coleman, NRCan
- 12:30-1:30 PM**      **Lunch**
- 1:30-2:30 PM**      **ASHP Sizing, Selection & Commissioning in Cold Climates, for Dummies**  
Justin Wilson, Construction Instruction and Gord Cooke, BKC
- 2:30-2:45 PM**      **Break**
- 2:45-3:30 PM**      **Curmudgeonly Musings on the Common Home Built in 2050**  
Doug Tarry, Doug Tarry Homes; Mike Memme, Mountainview Building Group; Andy Oding, BKC
- 3:30-4:00 PM**      **Wrap-Up**  
Gord Cooke, Andy Oding & Mark Rosen

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