

ADVANCED BUILDING SCIENCE & PRACTICAL APPLICATION Spring Training + CHBA Net Zero Summit 2023

Speakers



Andrew Oding

Vice President, Building Knowledge Canada

Andrew brings insightful and real-life practicality to building science principles and their in-field applications. As a recognized building science trainer by the Government of Canada-Office of Energy Efficiency, Building Science Specialist, and HVAC designer and commissioner, Andrew is working closely with the development of new building codes and advanced building programs across North America.



Gord Cooke, P. Eng.

President, Building Knowledge Canada

There are few professionals in Ontario that can match Gord Cooke's broad knowledge of the inner workings of a house. Highly regarded in the Ontario homebuilding industry, Gord is a professional engineer, trainer, author, educator and industry consultant with over 35 years of experience in the low- and high-rise residential building and renovation industry.



Sonja Winkelmann, EP

Senior Director, Net Zero Energy Housing, Canadian Home Builders' Association National

Sonja has been working in the field of energy efficient homes for 18 years. She joined CHBA in 2014 as the first Director of Net Zero Energy Housing and has led the development of the Net Zero Home Labelling Program as well as the associated training courses and marketing efforts. Sonja is an organizer of this year's Net Zero Summit.



Tex McLeod

President, McLeod & Associates

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. He is the president of The McLeod Associates and one of the organizers of Spring Training Camp.



Mike Memme

Operations Manager, Mountainview Building Group

Mike is the Operations Manager at Mountainview Building Group in the Niagara Region. Mike has a Civil Engineering degree from the University of Waterloo, has been president of the Niagara Home Builders' Association, and is currently acting as 2nd Vice President of the Ontario Home Builders' Association.



Nigel Watts

Vice President, Product, RHEIA, LLC

Nigel's 35 years of experience spans two continents researching, designing and building new products and services. He started his career with GE Plastics before going to IBACOS in 1998 where he developed a series of online training, best practices and quality assurance products for front-line employees at large national home builders.



Robert Bean, P. Eng.

ASHRAE Fellow and Distinguished Lecturer

Robert, Fellow ASHRAE, is the director of healthyheating.com and founder of Indoor Climate Consultants Inc. He is a retired engineering technology professional who specialized in the design of indoor environments and high-performance building systems. He has authored many papers, articles and course curriculums and serves on numerous technical committees related to indoor environmental quality, building and energy systems.



Stefanie Coleman

Chief Sustainability Officer, Doug Tarry Homes

Stefanie started her career in construction in 2005 as a self-employed renovation contractor. Over the years she completed numerous building science training courses, earned a number of certifications and is currently completing her Master of Environment and Business at the University of Waterloo. Before joining Doug Tarry Homes, she served as Marketing and Business Development Manager for Building Knowledge Canada.



Trevor Trainor, M.Sc., M.A.Sc.

President & Building Science Specialist, Bawating Building Science

Trevor specializes in the hygrothermal performance of wall and roof systems in extreme, cold climates and has extensive experience in monitoring moisture and heat flow in enclosure systems, developing hygrothermal and energy models and performing forensic investigations on buildings with moisture-related issues. This experience in field research, modeling and forensic investigations gives him a unique perspective.



Carl Pawlowski

Senior Manager, Sustainability, Minto Group

Carl is a sustainability professional with over 10 years of industry experience. Carl is responsible for guiding the ESG and sustainability strategy for low-, mid- and high-rise communities within the GTA and manages consultant teams to ensure sustainability objectives are met. He actively works on TGS Tier 2, LEED® v4 BD+C, WELL v2, CHBA Net Zero, ENERGY STAR® for New Homes and ENERGY STAR® Multifamily High Rise projects.



Doug Tarry

President, Doug Tarry Limited

Doug is the President of Doug Tarry Limited, a second-generation builder of Net Zero/Net Zero Ready Homes. He has worked extensively with a number of manufacturers and suppliers to develop products and methods needed for today's high performance/Net Zero Homes. Recently Doug Tarry Homes became the first qualified Net Zero Builder to label more than 100 homes in the CHBA Net Zero Home Labelling Program.



Dr. John Straube, P. Eng., Ph.D.

Principal, Senior Energy and Sustainability Specialist, RDH Building Science Labs

A prominent figure throughout North America, Dr. Straube is an influential and driving force in the industry. He has broad experience in the building industry and is considered an international expert, having been involved in the design, construction, repair, and restoration of buildings worldwide.



Dr. Marzieh Riahinezhad, Ph.D., P. Eng., PMP

Research Officer and Theme Lead for Resilient Residential Retrofit, National Research Council Canada

Dr. Riahinezhad received her Bachelor of Science and Master of Science in Polymer Engineering in Iran before receiving her Ph.D. in Chemical Engineering from the University of Waterloo. Marzieh joined the National Research Council Canada in 2018 and since the fall of 2020, has been an Adjunct Professor at the Department of Civil Engineering at the University of Ottawa.



Dr. Nima Alibabaei, Ph.D.

Co-founder & CEO, BKR Energy Company

Dr. Alibabaei is the Co-founder and CEO of the BKR Energy Company. He is an expert in controlling the performance of residential HVAC systems in order to leverage their energy efficiency by reducing their energy cost and GHG emission. He is proficient in developing HVAC advanced predictive controllers and smart dual fuel switching systems (SDFSS).



Frank Lohmann, P. Eng.

Director, Building Science, CHBA

Frank worked for 23 years at the National Research Council Canada—first on window and wall research and then on the development of the national construction codes. Since 2020, Frank has been the Director, Building Science at CHBA's National office where he makes sure builders' and renovators' interests are represented on codes and standards committees.



Gary Proskiw, M.Eng., P. Eng.

President, Proskiw Engineering Ltd.

Gary Proskiw of Proskiw Engineering Ltd. is a mechanical engineer with over 40 years of experience in building science, energy management, research and training. He has served on the Part 9 Committees of both the National and Manitoba Building Codes as well as several CSA and CGSB committees and has spent a lot of time working with broken buildings (and broken building owners).



John Siegenthaler, P. Eng.

Principal, Appropriate Designs

John is a mechanical engineering graduate of Rensselaer Polytechnic Institute and a licensed professional engineer. He has over 40 years of experience in designing modern hydronic heating systems. He is also an Associate Professor Emeritus of Engineering Technology at Mohawk Valley Community College in Utica, NY. John is the author of two textbooks and has written numerous other publications dealing with hydronic heating.



Matt Cable, M.Sc., P. Eng.

Supervisor Residential Technology & Development, Enbridge Gas Inc

Matt leads a group with a mandate to support development of new technologies, innovations and energy solutions that will help Enbridge better serve its customers and contribute to Ontario's climate change goals. Previous to working at Enbridge, Matt was a Sustainability Consultant, collaborating with architects and engineers to make some of Canada's greenest projects.



Maxime Savard

Technical Advisor, Codes & Standards, NRCan

Maxime has over 13 years of industry experience and has been with NRCan for almost 5 years. As Technical Advisor, Maxime is responsible for initiating, planning, implementing and managing projects dealing with energy efficient housing technology and equipment. He maintains a leading edge knowledge of housing energy efficient technologies and is continually developing solutions to engineering problems dealing with energy efficiency in housing.