Agenda

Wednesday, May 29

7:15 AM Breakfast
8:00 AM Discipline-specific Technical Sessions
11:30 AM Lunch
12:30 PM Breakout Session
1:30 PM Breakout Session
6:00-10:00 PM Welcome Reception

Thursday, May 30

6:30 AM Fitness Session
7:30 AM Breakfast
8:00 AM Welcome Message
8:15 AM Retirees Recognition
9:00 AM Keynote: Nikolas Badminton
10:00 AM Break
10:15 AM Breakout Sessions
11:15 AM Keynote - Tom Marriott
1:15 PM Breakout Sessions
2:15 PM Breakout Sessions
3:15 PM Break
3:30-4:30 PM Annual General Meeting
5:30 PM Pre-Dinner Cocktails
6:00-10:00 PM Partners Dinner

Friday, May 31

7:00 AM Fitness Session
8:15 AM Breakfast
9:15 AM Breakout Sessions
10:15 AM Break
10:30 AM Keynote: Todd Hirsch
11:30 AM Take-away Boxed Lunch
WEDNESDAY - MAY 29

8:00 am
Alberta Municipal Affairs Technical Sessions
Join our partners at Alberta Municipal Affairs for one of four informative technical sessions. Learn more about our provincial codes in Building, Fire, Electrical or Plumbing/Gas/Private Sewage from the people who assist in the development and application of safety codes across Alberta.

Building Technical Session
Room: Wildrose

Electrical Technical Session
Room: Hawthorn C

Fire Technical Session
Room: Laurel

Plumbing / Gas / PSDS Technical Session
Room: Hawthorn A/B

12:30 pm Breakout Session
Carbon 12 - And Beyond!
Kristin Slavin
Room: Wildrose

Join Kristin Slavin, architect of Carbon12, the tallest mass timber Cross Laminated Timber building in the United States, for a discussion of the future of urban construction. Discover how Cross Laminated Timber (CLT), a kit-of-parts structural system, enabled the design and construction of an eight-story, mixed-use urban infill building in Portland, Oregon that is safe, renewable and has helped pushed the limits of U.S. building codes.

Kristin Slavin
Merging design work with an intimate involvement in the development and building processes, Kristin Slavin’s practice focuses on sustainable buildings comprised of emerging technologies. Among her projects is The Radiator, a five-story heavy timber building, and Carbon12, which, at eight stories tall, is the tallest mass timber building in the United States. Carbon12 was recently recognized with a 2019 AIA Portland Merit award.

1:30 pm Breakout Session
Cyber Verification Standards
Cliff Rondeau
Room: Wildrose

Cliff Rondeau will provide an overview of a new CSA Group standards development initiative for assessing cybersecurity and product software maturity. The standard will provide evaluators and vendors a means to implement and determine the maturity of the organization and the products/solutions being developed.

Cliff Rondeau
Currently, Cliff Rondeau is responsible for the overall development and management of standards solutions in the areas of Energy Efficiency, Information Communications Technology (ICT) and Renewable Energy technologies. Prior to this role, Cliff managed CSA’s standards development program on electric vehicle charging infrastructure. He joined CSA Group in September 2009 with over 20 years of project management and new product development experience within automotive sector.

6:00 pm
Welcome Reception
Help us kick off Conference 2019 with an evening of mingling and merriment, featuring activities and décor courtesy of the Gas Sub-Council! Enjoy international food stations, cheer on our volunteer members in a game of Gas Jeopardy, and play in our onsite photo booth. (This event is available to those with Full Conference Pass and guests who have purchased a Guest Meal Package).

THURSDAY - MAY 30

8:00 am
Retirees Recognition
Come out and celebrate our outgoing sub-council members, who have volunteered their time and expertise to enhance our safety codes system. Always a highlight of the Conference, the recognition event is not to be missed!
THURSDAY - MAY 30 continued

9:00 am KEYNOTE SPEAKER
The Growth of Smart Cities
Nikolas Badminton, Futurist Speaker
Room: Wildrose

With over 1,000 smart city pilot projects in progress today, the future of city planning may soon become the present. The future city will have systems in place to monitor and program infrastructure to react in real-time. With this vision comes the roll out of emerging technologies, among them renewable energy and self-driving vehicles, with Big Data and Data Science at the heart of operations. Nikolas will look at how city planning is changing, along with the core technologies being deployed, and will profile the global cities that are embracing this approach.

Nikolas Badminton
Nikolas Badminton has spent over twenty years defining business-changing strategies with technology companies globally and speaking to audiences keen to understand our changing society. Nikolas demystifies how the world is changing by focusing on what directly affects industries, consumers, and the business landscape, building frameworks that evolve how organizations work and grow.

10:15 am Breakout Sessions

Cannabis in Canada - Concerns from a Building and Fire Code Perspective
Shayne Mintz
Room: Wildrose

This session will cover an overview of the legalization of cannabis in Canada from a Building and Fire Code perspective, touching on what authorities and jurisdictions may be in place at various government levels. Also covered are the physical safety and security measures that should be in place; what constitutes good production practices; inspection and enforcement experiences, including counterfeits; general fire safety concerns; processing/storage health risks; and what regulations may apply with regard to the safe disposal of cannabis products.

Shayne Mintz
Shayne Mintz is the Canadian Regional Director for the National Fire Protection Association and has over four decades of experience in fire and life safety, including time as fire chief for Burlington, ON and assistant deputy fire marshal for the Office of the Ontario Fire Marshal.

Balancing Act: Risk-based Approach for Safety Code Inspections with AI
Juan Monterrosa
Room: Hawthorn

In an effort to manage workloads, the City of Edmonton has collaborated with their Analytics Centre of Excellence to build a predictive model to assist in anticipating when Safety Codes inspections will fail. This knowledge will enable the City to reduce the number of inspections per year by allowing them to focus inspectors’ resources on requests that have a higher probability of first time failure. The continued implementation of Edmonton’s predictive model would mark a shift in how workloads are managed in the safety codes system.

Juan Monterrosa
Juan Monterrosa is the Director of Safety Codes Permits & Inspections at the City of Edmonton. He has over ten years of experience working in energy from source to end use. As a LEED Accredited Professional and a Certified Passive House Consultant, he has a strong focus on energy efficiency and load reduction. With a passion for high performance building design, Juan supports the implementation of new energy codes, green building innovations, and reducing barriers to green buildings in Edmonton.

Solar PV Opportunities in Alberta
Paula McGarrigle
Room: Laurel

Based on the Alberta Solar PV Value Supply Chain Opportunities Report, this presentation examines the opportunities that solar PV presents for Alberta. Paula will explore the value chain for both rooftop and ground-mount applications, Alberta’s current strengths in the solar PV sector and the opportunities for Alberta to capture new business from its growing PV market through 2030. In addition, Paula will discuss employment opportunities and existing training capabilities for Albertans.

Paula McGarrigle
Paula McGarrigle is a professional with over 20 years of experience in the energy sector in North America. The majority of her experience has been in the renewable energy sector, serving with Shell and Suncor before starting her own business, Solas Energy Consulting, which celebrated its tenth anniversary in March of this year. Paula has been active in many industry associations, contributed to the Climate Leadership Plan and is often asked to share her experience at conferences.

Let’s Start Talking Again: Helping Leaders Lead through Communication
Grant Ainsley
Room: Yarrow

It’s true that employees don’t leave companies; they leave bosses. Research has shown that the biggest reasons employees leave is because of poor communication. Of course, we communicate more than ever because of email, text and social media, but are we losing the ability to have the valuable conversations needed to move organizations forward? Difficult conversations aren’t being held, or if they are, they aren’t being handled very well. Grant Ainsley is here to help leaders lead through better communication.

Grant Ainsley
Grant Ainsley is an award-winning former journalist and public relations professional who now works with politicians, business executives, association leaders and others to help refine their messages to the public. In Edmonton, he served in radio as morning news anchor, did a daily talk show and had a role in management. He was also in charge of Communications for the City of Edmonton’s Public Relations Department and for over a decade was CEO of a large Alberta association.
Safety Codes System and the Law
Tom Marriott, Managing Partner, Brownlee LLP
Room: Wildrose

Tom Marriott, a leading specialist in municipal and administrative law, highlights what is new and notable in safety codes related law.

Thomas Marriott, QC is well-known as a senior counsel with extensive trial and appeal experience. Tom conducts litigation involving municipalities, as well as other public sector entities, and on behalf of individual professionals with respect to liability and discipline. Tom has appeared before all levels of courts and tribunals, including numerous trials and appeals. With nearly 30 years of experience, he represents clients throughout Alberta, the Northwest Territories and the Yukon.

1:15 pm Breakout Sessions

NECB 2017 Changes: Paving the way for Performance Based Codes
Justin Pockar
Room: Wildrose

Do the changes in NECB 2017 point the way towards performance-based code compliance? This presentation will cover the technical changes to NECB 2017, pointing out the intrinsic inequalities in this code, and how that may make performance compliance the most attractive compliance path. Further, we will look at other aspects of code and see if this trend extends to other aspects of code compliance and what this might mean for project delivery and design process in the broader design context.

Justin Pockar
Prior to joining the City of Calgary, Justin worked as a consultant, completing several projects certified to LEED Gold or better. At the City, Justin oversees the administration and integration of sustainable design policies and technology. Outside of this role, he has authored several works, notably playing a role in the development of the National Energy Code of Canada for Buildings.

Commissioning & Integrated Systems Testing
Clayton Bond
Room: Yarrow

Integrated Systems Testing is the most thorough approach to assuring that the life safety and fire protection systems work in case of emergency. This presentation outlines the overall commissioning process and how it applies to the life safety and fire protection systems as described in ULC-S1001. This session will review the qualifications, process, roles and responsibilities to execute an integrated systems test as required by the Alberta Building Code.

Clayton Bond
Clayton Bond manages the building commissioning team for WSP in Edmonton. He has more than fourteen years of engineering experience in the commissioning, design, and construction of mechanical and electrical systems for buildings. His background in building construction allows for a practical approach to identifying, understanding and resolving issues. He works on projects across Canada ensuring building are functional, efficient and sustainable.

What You Don’t Know about Explosive Dust Will Kill You
Francis Petit
Room: Hawthorn

General lack of knowledge of safety codes relating to dust collection is a serious life safety risk in many commercial and industrial facilities: in early 2012, British Columbia experienced several explosions in the wood industry, causing fatalities and hundreds of millions of dollars worth of damage. The focus of this seminar will be on gaining basic knowledge about combustible dust and a summary of various codes and standards that are in force. Participants will learn how to recognize common dust hazards and defects.

Francis Petit
Francis Petit, P.Eng earned his Bachelor degree in Mechanical Engineering from the University of Sherbrooke, QC and has developed a specialization in dust abatement systems. Mr. Petit has more than ten years' experience in design, engineering, and installation of dust collection and industrial HVAC ventilation systems.

Barrier-Free Boot Camp
Samantha Proulx
Room: Laurel

This seminar will provide attendees with the foundation and confidence to apply the prescribed requirements of Section 3.8 Barrier-Free Design of the 2014 Alberta Building Code (ABC), while at the same time bringing attention to more meaningful access through the application of universal design principles. Samantha will also shed light on the requirements of the Calgary Access Design Standard and the Age Friendly Edmonton Access Design Guide.

Samantha Proulx
Samantha Proulx is one of Canada’s leading accessible code experts. She works alongside designers and building owners to ensure their designs and existing facilities achieve compliance, offer function, and provide accessibility and safety to the end users. In addition to teaching in the RHFAC Program at SAIT, Samantha has been retained as an expert in various accessibility litigation files regarding slips, trips, and falls.
2:15 pm Breakout Sessions

**Chernobyl and Cheese: Lessons from Disasters and Near Misses and Reflections on How We Can Strive to Avoid Them**

Lee Krywitsky
Room: Wildrose

This session presents lessons from disasters and near misses and reflections on how we can strive to avoid them.

Lee Krywitsky’s 30-year career as inventor (holder of 24+ patents for devices that reduce emissions and improve safety in the transfer of challenging gases & liquids) and entrepreneur (founder of three companies involved in the aerospace, nuclear, oil & gas and transportation industries) has adhered to the ZERO-MAX philosophical mindset: ZERO harm to people, property and the environment through best engineering and operational practices, striving towards MAXimum safety and efficiency. Lee is active in the Canadian Standards Association and is a member of ASME and the Society of Automotive Engineers.

**The Evolution of B149.3: Field Approval and the Permit Process in Alberta**

Allen Gramlich
Room: Laurel

The implementation of the B149.3 code has evolved over time, with substantial changes within the last 15 years. This presentation will focus on B149.3, starting at B149.3-5 to B149.3-15 and also discussing the new version, 149.3-20, in addition to B149.1, on the natural gas and propane installation code. This discussion will expand attendees’ understanding of field approvals and certifications of heating systems in the oil and gas industry.

Allen Gramlich

Allen Gramlich has worked for over 35 years in production, construction, supervising and managing business within the oil and gas industry. He currently serves as President of ARG Group, Inc, a gas and electrical service company that additionally manufactures heating units for oil and gas distribution.

**Revisiting the Valleyview Town Hall: A Cost/Benefit Analysis of Passive House Standards**

Oscar Flechas
Room: Yarrow

Slated to be the most energy-efficient public administration building in Canada, the Valleyview Town Hall is the result of the collaboration between municipal staff, architects, energy modellers and builders. Now that the project has been fully completed, join architect Oscar Flechas for an update on the costs and benefits associated Passive House standards as they were applied to this landmark building.

Oscar Flechas

Oscar Flechas, an architect with more than 25 years of experience, is the founder of Flechas Architecture. His longtime focus on low-energy and low-carbon buildings led him to embrace Passive House and better building standards as a means to help reduce Canada’s carbon footprint. He shares his expertise as a regular presenter at Buildex Calgary and Edmonton, helps mentor SAIT students, and is a founding member and president of Passive House Alberta.

**CAN/ULC-S540, Residential Fire and Life Safety Warning Systems: Installation, Inspection, Testing and Maintenance**

Brian McBain
Room: Hawthorn

Brian McBain

Brian has over 24 years of experience in fire and emergency services and has worked in all aspects of fire and life safety. He presently works for Underwriters Laboratories of Canada (ULC) as a Senior Regulatory Affairs Representative, where he provides assistance to regulatory authorities across Canada with regards to ULC certification and ULC Standards.

**ANNUAL GENERAL MEETING**

3:30 pm - 4:30 pm

Hear the Council’s report on 2018 activities and financials, learn about our plan for the coming years, and meet our incoming Chair! While this meeting is open to the public, it’s especially important for Safety Codes Council Members to attend as only they may vote.
This session will cover an overview of the legalization of cannabis in Canada from a Building and Fire Code perspective, touching on what authorities and jurisdictions may be in place at various government levels. Also covered are the physical safety and security measures that should be in place; what constitutes good production practices; inspection and enforcement experiences, including counterfeits; general fire safety concerns; processing/storage health risks; and what regulations may apply with regard to the safe disposal of cannabis products.

Shayne Mintz
Shayne Mintz is the Canadian Regional Director for the National Fire Protection Association and has over four decades of fire and life safety, including time as fire chief for Burlington, ON and assistant deputy fire marshal for the Office of the Ontario Fire Marshal.

Authenticated Professional Work Products: What Every SCO Should Know
John Corriveau
John Corriveau, P.Eng. is APEGA’s Director of Regulatory Affairs and has been with APEGA for five years. John’s career has involved government and industry stakeholder relations, compliance and regulatory affairs, safety and environment risk management, industrial asset management, and materials engineering.

3D Printing in Design and Construction
Kurtis McArthur
Kurtis started his journey as an AEC professional thirteen years ago as an Apprentice Carpenter. He acquired his ticket as a Red Seal Journeyman Carpenter in less than four years, after which he enrolled at SAIT and earned a Diploma in Architectural Technologies. Since graduating from SAIT’s AT Program he has worked as a Commercial Project Coordinator, an Instructor at SAIT, a Residential Designer, and an Education Consultant. His current role is with Brookfield Residential as a Revit Specialist.

In order to ensure that Safety Codes Officers’ expertise remains current, the Safety Codes Council introduced Continuing Education for SCOs in 2019. Join Danielle Paradis to learn what activities can be counted toward your Continuing Education credits, how to report these activities to the Council, and why Continuing Education provides valuable professional development opportunities for Alberta’s SCOs.

Danielle Paradis
Danielle Paradis is the Manager of Operations, Planning and Support for the Safety Codes Council. She was formerly the Administrator of Certification and has worked at the Council in various roles for eight years. She has a background in adult education and communications.
10:30 am KEYNOTE SPEAKER
The Alberta Economy in 2019
Todd Hirsch, Chief Economist, ATB Financial
Room: Wildrose

After surviving the worst recession in three decades, Alberta’s economy began to recover in 2017 and 2018. But as the province enters 2019, the situation is uncertain. What factors will weigh on Alberta this year? Which critical elements will shape the province in the long-term? And how will Alberta adapt to the rapidly changing global and national economy? Join ATB Financial’s Chief Economist Todd Hirsch as he demystifies the economy and answers these important questions.

Todd Hirsch
Todd Hirsch is ATB Financial’s Chief Economist. He holds a BA Honours in Economics from the University of Alberta and an MA in Economics from the University of Calgary. For over 20 years, he’s worked as an economist at Canadian Pacific Railways, the Canada West Foundation and the Bank of Canada. For almost a decade, Todd taught economics at the University of Calgary. In 2012, Todd wrote his first book, The Boiling Frog Dilemma: Saving Canada from Economic Decline; 2017 marked the release of his second, Spiders in Space: Successfully Adapting to Unwanted Change.

Early Morning Fitness Sessions!
Looking to start your day off right? Meet us in the front lobby for a rousing fitness session! Please fill out a waiver form, available at conference registration, prior to participating.
Thursday - 6:30 am
Friday - 7:00 am

CALL FOR SPEAKERS! Conference 2020
Interested in speaking at our conference in 2020? Have a suggestion for an interesting session topic?
Please reach out to the conference planning team at conference@safetycodes.ab.ca

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