



HEALTH & SAFETY

Conference Society of Alberta

20th ALBERTA HEALTH & SAFETY CONFERENCE PROGRAM

WEDNESDAY April 26

Session	Time	Speaker Name(s) and Session Title	Session Description	Speaker Biography
	9:00 – 9:30	OPENING CEREMONIES		
101	9:30 – 10:30	ELDEEN POZNIAK Making Safety Stick OPENING KEYNOTE*	Safety Messages - How can we make them stick? Why can everyone remember that urban legend, a rumor, or a story told over a couple of drinks, but walk out of a safety meeting and not remember the topics discussed that day. As Safety Professionals we communicate in a variety of ways and at times struggle with why our communications did not get attention, resonate, or get the message across like we expected. The concepts that will be discussed in this session are the stickiness factors - simple, unexpected, concrete, credible, emotional and stories. This session overviews principles of stickiness that one can apply to ensure successful safety messages and communication - sticks – that the information is understood, its remembered and it changes something. If you make use of these traits in your safety communications of all types you can make your ideas, messages, and information stick and affect the change that you are looking for.	<p>With over 20 years' experience as a consultant, entrepreneur and professional speaker, Eldeen Pozniak knows how to connect with an audience.</p> <p>Well known for her sense of humor and down-to-earth approach, she uses experiences from her consulting practice, entrepreneurial background and her personal life to deliver a timely, well researched, and insightful message that resonates with senior leadership, managers, supervisors and workers no matter the industry, group or organization.</p> <p>Eldeen is a CRSP, CHSC, CHSMSA, MIIRSM and a CMIOSH. She is the director of an international occupational health and safety consulting firm, is the incoming President of INSHPO and the past president of the Canadian Society of Safety Engineering (CSSE).</p> <p>Eldeen, a Registered Safety Professional (CRSP), a Certified Health and Safety Consultant (CHSC), a Certified Health and Safety Management System Auditor (CHSMSA), and a Full Member of the International Institute of Risk and Safety Management (MIIRSM),...has a diverse educational and experience based background.</p> <p>Her engaging and powerful keynotes, seminars and workshops that identify core messages, builds on conference themes, and helps people examine their choices along the life and work journey.</p> <p>Eldeen works to take her audiences on a journey through key points, humor, and story-telling, so that they can take themselves to a higher level, be more connected to themselves and others, the decisions that they make, and work to enhance their passion, creativity and love for life.</p>
	10:30 – 11:15	BREAK & SAFETY HALL OPENS		
102	11:15 – 12:15	STACEY SAVAGE	Opioid poisonings are on the rise across Canada, and the need for better awareness of how to recognize and respond to these situations is vital. Most opioid poisonings are accidental. There is	Stacey Savage is the Manager of Training & Community Services with St. John Ambulance Alberta Council. Stacey is a registered practitioner with the Alberta College of Paramedics and a certified

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		Saving Lives at Work: The Opioid Poisoning Crisis	<p>growing pressure on workplaces to be prepared to respond to opioid poisonings in the workplace. The Province of Ontario is the first province to pass legislation requiring employers to provide and maintain in good condition a naloxone kit in workplaces where they are aware, or ought to be aware, that there may be a risk of a worker having an opioid overdose. The legislation also requires training to ensure workers are familiar with how to use naloxone kits. If businesses in high-risk settings have naloxone kits on hand, this will help reduce the stigma around opioid use, raise awareness about the risks of accidental overdoses, and potentially save hundreds of lives a year.</p> <p>In this 1 hour session, participants will receive valuable information on the opioid poisoning crises, how to recognize and respond to an opioid poisoning, how to manage the situation and how to use naloxone. Each participant will be provided 1 Nasal Naloxone Kit, limited space for this session.</p>	instructor with St. John Ambulance. She has been delivering first aid, safety, and pre-hospital training to learners for over twelve years. Stacey's background experience also includes work in the pre-hospital field, volunteer Medical First Responder, program development, and implementation of a wide range of training delivery models including traditional classroom, instructor led, virtual classrooms and scenario-based training and assessments. From her valuable experience as a practitioner working in high-risk environments and assisting people experiencing life-threatening events, Stacey provides a practical approach to her training and presentations with sensitivity and professionalism.
103	11:15 – 12:15	CHRIS TAYLOR An OHS Professional's Guide to the Fire and Building Code	<p>Health and safety professionals not only need to be fully versant in occupational legislation, but also the various Codes and guidelines related to life safety for their facility or project, such as in fire and life safety.</p> <p>The Alberta Fire Code can be a daunting piece of legislation to try and navigate and there are aspects within it (and other Codes such as the Alberta Building Code) that can appear to be in contradiction.</p> <p>Items such as fire and explosion hazards, appropriate hazard classifications, storage of chemicals, etc., involve reviews both to the Fire Code, but also reference numerous NFPA standards as well – that again can be difficult to navigate.</p> <p>This session will provide an overview structure on how to navigate the Fire Code, provide common examples of intersections between the Fire and OHS Codes and discuss available resources to help the health and safety professional better understand the legislation.</p> <p>As well, the session will provide an update on the planned update to the Fire Code in 2023.</p>	<p>Chris Taylor is the National Leader for the Occupational Health & Safety (OHS) group at Pinchin. Chris has a Diploma in Electrical Engineering Technology from the Northern Alberta Institute of Technology (NAIT), is a Registered Occupational Hygiene Technologist and a member of the American Industrial Hygiene Association.</p> <p>Chris has over 28 years of experience as an occupational hygienist / safety consultant. On behalf of Pinchin Ltd., Chris has conducted and/or managed over 4,000 projects, including numerous large scale / high profile projects such as landmark studies for silica for the Government of Alberta and wood dust and noise for the Alberta Forest Products Association. He was responsible for overall site safety oversight for the CN Wabamun oil spill clean-up project.</p> <p>Chris is also a past instructor in occupational hygiene at the University of Alberta's Faculty of Extension. Of key note for the presentation, Chris is currently the chair of the Fire Sub-council of the Alberta Safety Council. The Fire Sub-council is the section of the Alberta Safety Codes Council designed to review and provide direction regarding the Fire Code within the Province of Alberta.</p>
104	11:15 – 12:15	MICHAEL R FEARS Improve Safety by (sort of) Eliminating Safety Rewards	<p>Safety rewards programs don't seem to have the impact that people expect. Sometimes they seem to treat safety as a game rather than a "core value", sometimes they cause unintended problems, such as non-reporting of incidents. Clear causation between safety rewards and improved safety is not well established. This presentation presents evidence for throwing out traditional safety rewards and recognition programs and suggests an alternative no-program approach that can be tailored to</p>	<p>Michael Fears is a CRSP with nearly 20 years of occupational health and safety experience across a wide range of industries. Michael is a seasoned TapRoot(c) investigator and has conducted dozens of compliance and certification audits across Canada. He is a contract instructor with the University of Calgary (since 2010) and has been teaching at the post-secondary level (on and off) since 1990. Michael is active with the Board of Canadian Registered Safety Professionals in helping maintain the</p>

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			reinforce improvements, support specific initiatives, and achieve measurable results. Using applied psychology used in other behaviour modification efforts, this "no-program" program can help any organization revitalize their approach to reinforcing and encouraging improved human safety performance. Detailed implementation steps and recommendations will be available at the presentation.	certification exams for the CRST and CRSP designations. Michael currently works with a national engineering firm and maintains a consultancy to provide services to 3rd party clients.
	12:15 – 13:30	LUNCH & VIEWING THE SAFETY HALL		
105	13:30 – 14:30	RANDY POKRANT Lone Worker Safety - Helping Employers Understand the Regulations and Requirements	<p>Why is Working Alone One of the Greatest Risks to Employee Safety that Continually Gets Ignored?</p> <p>Join us to learn more about the hazard most of us face every day, and yet one that we do the least about. Most employees work alone, often for hours per day, but it's one of the hazards that we choose to ignore the most. In this fast-paced presentation, we'll present a number of scenarios that you could find yourself in, and the risks you could face.</p> <p>You'll learn about Alberta's and the other western provinces' Working Alone Legislation, their impacts on employers in many different industries, the legal consequences if people are not protected, and what employers can do to reduce risk and meet the regulatory requirements.</p> <p>You'll leave with a good understanding of how Working Alone legislation impacts your business and steps to take to not only protect your business but more importantly, protect your employees.</p>	<p>Randy Pokrant – As a Business Development Manager with ProTELEC Security + Safety Ltd. (ProTELEC CheckMate Division), Randy's experience goes back to his school years working in ProTELEC's Emergency Monitoring Centre in the late 1980's. He then spent nearly 30 years working in the manufacturing and construction industries, supporting clients from across Canada on their projects. During these years, Randy observed many changes to Health and Safety (H&S) regulations and practices across Canada. He saw firsthand the unfortunate consequences of inadequate employee H&S and observed the positive impact a comprehensive Safety Management System can have on your employees, management and your customers. Which always should address Lone Worker safety as well.</p> <p>In recent years, Randy is now focused on helping employers protect their lone workers and ensure regulatory compliance through the implementation of CheckMate as a control measure. Randy is looking forward to sharing his experiences and knowledge of best practices in safety with delegates at the Alberta Health and Safety Conference, specifically around protecting employees who are Working Alone or in Isolation.</p>
106	13:30 – 14:30	CHRIS MACDOUGALL Return to Work - New Tools and Opportunities	We will provide a presentation on the best practices on return-to-work including updates on how our systems including employer dashboards and our mobile apps can enable an employer to do better on RTW, improve their operations and reduce WCB premiums.	Chris MacDougall is the new supervisor of the Industry Support team. While new to the team Chris has a tremendous wealth of experience at the WCB working in almost all areas of customer service and claims management activities including health care services. Chris has been with the WCB for 20+ years.
107	13:30 – 14:30	MICHAEL PHIBBS Control Banding for Welding - Real-Time Worker Protection	Control banding has a 20-year history, starting with pharmaceuticals and chemicals then into nanotechnology and ergonomics. It prioritizes the hierarchy of controls and provides a decision-making framework to assess chemical substances and develop exposure control guidance, particularly for chemicals without authoritative Occupational Exposure Limits. A background and overview of control banding will be presented followed by a practical demonstration of how control banding can be applied to welding tasks. Welding fumes have recently been classified as a Human Carcinogen by IARC (International Agency for Research on Cancer); however, occupational exposure limits for aggregate	Michael (Mike) Phibbs is a Certified Industrial Hygienist and Registered Occupational Hygienist. Mike owns Chemscape Safety Technologies; for 20 years this technology company offers an online subscription based SDS management service called sds Binders as well as a Control Banding technology called CHAMP (Chemical Hazard Assessment and Management Program). Mike has authored 1000's of Safety Data Sheets since 1989. Mike has made numerous presentations to the CSSE, AIHA and other health and safety conferences. Mike is the past chair of the American Industrial Hygiene Association Control Banding Working Group.

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			welding fumes or measurement methods are unavailable. While control banding does not replace traditional IH assessment methods for welding, it is a practical method to protect worker health today. Note, now that welding fumes are considered carcinogenic despite the composition of welding base metal, consumables and coatings we need to get the word out that increased control measures are necessary. Welding is a task performed in almost all industries, most times under less than ideal environmental conditions.	
	14:30 – 15:15	BREAK & VIEWING THE SAFETY HALL		
108	15:15 – 16:15	ALEX MERCER Health and Safety - 2 Sides of the Same Coin	Too often, safety professionals and occupational hygiene (health) professionals find themselves at odds. Many don't see the difference between the two – if you already have a CRSP (safety professional) on staff, engaging a CIH/ROH (hygienist) would be redundant – right? This mindset leads to unnecessary competition between safety and health professionals, push-back from employers, and hurts our industry as a whole. I'm suggesting a total re-frame of the way we think about health and safety, and the professionals who work in these fields. We all have strengths and weaknesses, both professionally and personally; acknowledging our own individual areas of expertise and working with other professionals to bring the right expert to the table at the right time will improve workplace safety and worker health. Each hazard and each workplace is unique; expecting the same professional to be competent to address every workplace health and safety issue is unrealistic. We wouldn't go to a general practitioner (GP) requesting heart surgery, and we wouldn't go to a heart surgeon for an eye infection. The same logic can be applied to health and safety, with the end goal being better service to the public, our workers, and our province. The success is best achieved by working collaboratively and relying on our or colleague and connections to fill the gaps in our own professional acumen. Safety professionals and occupational hygiene (health) professionals are two sides of the same coin – let's start acting like it! Take away actions - identifying a gap in your own professional acumen, and find someone to fill it.	Alex Mercer is an Industrial Hygienist currently working as the Operations Manager for JADA Solutions (HSE) Inc. Alex sits on the executive board of the Canadian Registration Board of Occupational Hygienists, an organization which sets standards of professional competence for occupational hygienists in Canada. Before entering the world of occupational hygiene, Alex studied and worked as a molecular microbiologist at several post-secondary institutions in Canada. Alex has worked with wide variety of individuals and organizations to help improve worker health and safety, working conditions, or organizational practices. Alex has developed and implemented a myriad of programs for different organizations and has special expertise in those related to indoor air quality, worker exposure, and hazardous material management. Alex is passionately involved in improving the profession of occupational hygiene; she has mentored many students and young professionals and is currently working with NAIT to design a new course in Occupational Hygiene for the continuing education program. Through her work with the CRBOH, Alex works with other top hygienists to improve and expand of the field of industrial hygiene in Canada, from professional certification to outreach. In her spare time, Alex is busy mothering her two young boys, Charlie (4) and Sam (1), riding her horse, and spending time with her dog and cats.
109	15:15 – 16:15	RYAN CAMPBELL Three Strikes to Cancer – Occupational Carcinogen Exposure Prevention	Occupational fatality statistics show that most worker deaths are the result of cancer and related diseases. This presentation will outline the prevalence of disease and illness as the cause of workplace deaths, give a basic gene-level overview of how exposures cause cancer using the “three strikes” model, using specific carcinogens such as diesel exhaust, benzene, and shift work. A significant difference between exposure to physical hazards and carcinogens is the immediate response available—physical hazards can provide vivid awareness of potential harm and immediate feedback in the form of pain and injury. For	Ryan Campbell is a Senior Occupational Hygienist and the co-founder of NorthStar Occupational Hygiene & Safety Ltd. In addition to having over fifteen years of experience in practicing industrial hygiene and exposure assessment, Ryan is a Certified Industrial Hygienist (CIH), Registered Occupational Hygienist (ROH), Canadian Registered Safety Professional (CRSP), and holds a certificate in Environmental & Occupational Health from Johns Hopkins University. A passionate advocate for occupational hygiene, Ryan has written articles for the American Industrial Hygiene Association publication, The Synergist, as well as being

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			<p>carcinogen exposure, we seldom have an immediate physical indication of exposure; a worker finds out they've been behind the count when disease is diagnosed. This presentation introduces the concept of Disability Adjusted Life Years (DALYs) and Quality Adjusted Life Years (QALYs) to communicate the consequence of illness and disease in a meaningful and relevant way. In addition, the management of hazards through the occupational hygiene framework of anticipation, recognition, evaluation and control will be discussed as a means to aid safety professionals in reducing exposure. The occupational illnesses and diseases we see in the statistics today are the result of historical exposures. Preventing similar future statistics will require the near-term elimination and reduction of worker exposure using occupational hygiene techniques discussed in this presentation.</p>	<p>invited to speak on safety and occupational hygiene across Canada and the United States. As an occupational hygienist with NorthStar, Ryan travels across Canada developing and carrying out sampling programs for a variety of clients in multiple industries.</p>
110	15:15 – 16:15	RICK SIKORA Rigging Myth's and Misconceptions	<p>Cranemasters presentations have the premise of "You don't know, what you don't know! And what you don't know can harm you or others!</p> <p>Rigging incidents are trending the wrong direction and are a major issue in our industry. The goal of our presentation is to motivate the attendees to question what they do daily, and to Rise Above Risk, not only in the rigging activities on the work site, but in all our work activities.</p> <p>Rigging activities is an often overlooked aspect of what goes on in our work sites, and its due to a lack of knowledge to not only the workers but also the safety professionals and supervisors. Cranemasters aims to break down that barrier and change the culture around hoisting and rigging activities.</p>	<p>Rick Sikora, CEO & President</p> <p>Rick has been in the overhead crane and rigging industry for over 30 years. He started his career as a crane operator and then became an overhead crane technician with 10,000 hours. As a technician he had the great opportunity to travel all over North America, being trained directly by the overhead crane manufacturers.</p> <p>Rick has a diverse background from working in various trades and undertaking training at multiple institutions. He also participates in many technical committees and societies relating to Overhead Crane and Rigging such as Alberta OH&S Guidelines, Alberta Hoisting & Rigging Society, IOSH, and the CSA B167 Technical Committee.</p> <p>Rick's relationships with crane and rigging manufactures are part of his dedication to ensuring information that is relayed to our customers is documented and supportable. He is committed to working towards certified crane and rigging training that offers consistency across the industry.</p>
	16:15 – 18:00	THE SOCIAL EVENT		

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201	9:00 – 10:00	ROB DOMBOWSKY & DAVE ELNISKI Safety, HR, and Psychosocial Hazards: Collaborating to Advance Common Goals	<p>The relatively recent inclusion of psychological wellbeing as a purpose of both federal and provincial occupational health and safety (OHS) legislation has blurred the lines between the traditional roles of safety and human resources (HR) professionals. What is the relationship between these two professional disciplines now that safety professionals have seen their role expanded into the area of psychosocial hazards?</p> <p>The evolution of OHS into the psychological aspect of a company's operations has created an environment where HR and safety cannot be siloed. While sometimes lumped into the same categories, there has never been a more important time to understand the unique role of each profession, where they are different and overlap as they work towards common goals, and how certain issues are approached differently by each. The future of workplaces in Alberta and beyond demands these professions collaborate while retaining their core approaches to organizational improvement.</p> <p>In their roles as industry advisors with Alberta Motor Transport Association (AMTA), Rob Dombowsky and Dave Elniski assist employers and safety and HR professionals navigate a complicated regulatory world from both safety and HR perspectives. These two will present and compare the language, skills, and scopes of HR and safety professionals, and discuss how these professions can work together to advance common goals. Safety professionals in attendance will learn how some of their tasks and terms relate to the world of HR and how they can work with HR jointly on issues to improve the wellbeing of their organization's staff. These takeaways will be presented in a way so that attendees can apply them at work in short order.</p>	<p>Rob Dombowsky is a Human Resources and Safety Industry Advisor with the Alberta Motor Transport Association. He has diverse industry experience in transportation and logistics, manufacturing, construction and human/professional services. He is also an instructor at the University of Lethbridge, where he teaches Occupational Health and Safety as well as Human Resources and Labor Relations. With over 20 years of experience Rob has been actively engaged in the Human Resources and Safety community at local, provincial and international levels. Rob is a veteran of the Canadian Armed Forces having served with the United Nations, in the former Yugoslavia and other postings. Post military, Rob graduated from the University of Alberta and pursued expat opportunities in Russia, Taiwan and China. While living in Taiwan, Rob earned his Masters in Business Administration from National Taiwan University and a Certificate in International Human Resources from Cornell University. Upon returning to Canada, Rob obtained his CPHR (Chartered Human Resources Professional).</p> <p>Dave Elniski (he/him/they) is AMTA's Industry Advisor in Safety & Compliance in Workplace Support Services. He offers advice to carriers and individuals on occupational health and safety as well as transportation-specific safety and compliance. Dave started in the transportation industry as a long-haul flatbed driver and, after working in fleet safety management for an Alberta-based carrier, was hired by AMTA and is one of the early Certified Transportation Safety Professional (CTSP) designation holders. Dave also holds the Canadian Registered Safety Professional (CRSP) designation and is currently working on a Master of Arts degree at the University of Lethbridge where he is examining safety and social factors in the trucking industry. Outside of transportation safety, Dave is an active army reservist in the Canadian Armed Forces.</p>
202	9:00 – 10:00	KRIS ANDERSON & ERIC MAGEE Invaluable Lessons in the Industrial Sector shared by Pinchin's Health, Safety & Environmental Team	<p>While safety issues such as use of personal protective equipment, Lock Out Tag Out, or WHMIS are front and center for an industrial site safety professional, there are often various overlooked hazards related to occupational hygiene and environmental due diligence. It can also be exceptionally challenging to stay up to date with evolving regulations, monitoring and reporting requirements for operating approvals, and evolving technology changing the industry. Join Pinchin's Health, Safety & Environmental team for this 1-hour presentation as they share some industry best practices and lessons learnt.</p> <p>Occupational Health & Safety: Pinchin will share typical occupational hygiene hazards in the industrial manufacturing industry and introduce ways to evaluate and control these</p>	<p>Kris Anderson, MPH, CIH, Director, Alberta Occupational Health and Safety & Environmental Due Diligence and Remediation.</p> <p>Kris Anderson is the Director of both the Occupational Health & Safety (OHS) and the Environmental Due Diligence and Remediation (EDR) groups for Alberta and has been employed by Pinchin Ltd. since 2012. Kristopher holds a Master's Degree in Occupational and Environmental Public Health from the University of Alberta and a Bachelor of Science in Cell and Molecular Biology from Simon Fraser University. Kris is a Certified Industrial Hygienist with the American Board of Industrial Hygiene since 2016.</p>

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			<p>hazards to meet the requirements of regulatory Occupational Health & Safety Code. We will explore invaluable lessons learnt from over 40 years working in manufacturing plants and share best practices around:</p> <ul style="list-style-type: none"> • Hazard assessment – gaps in your planning and safety • Preparation for change – Trends from TLVs and other provincial guidelines • Why the Hierarchy of Controls is paramount • Technological solutions for complex hazard management <p>Environmental Due Diligence: This seminar will also cover key items that should be addressed to ensure the overall costs of environmental due diligence can be minimized. We will cover:</p> <ul style="list-style-type: none"> • Chemical handling and release reporting • Maintenance of sump pits/oil water separators • Timelines for monitoring and reporting under operating approval sites • Benefits of accurate site records and regular monitoring • How to pro-actively identify problem areas to be corrected before the problem gets unmanageable 	<p>Kris has eleven years of consulting experience and has managed or coordinated thousands of projects on behalf of Pinchin Ltd. Such project experience has related to a multitude of different OHS related projects from industrial hygiene and public health support with a large scale pipeline spill, to acting as an expert witness for a municipality related to noxious odours and air monitoring, to providing novel approaches to air monitoring during construction in contaminated sites. Kris has been responsible for the performance, management, and senior oversight of OHS related projects for clientele in construction, oil & gas, forestry, and manufacturing sectors as well as municipal, provincial, and federal government.</p> <p>Mr. Eric Magee, B.Sc., P.Ag., is a Project Manager in the Environmental Due Diligence and Remediation (EDR) group and has been employed by Pinchin Ltd. since 2012. Eric holds a Bachelor of Science in Environmental Science from Royal Roads University and a Diploma in Environmental Technology from the Southern Alberta Institute of Technology. In addition, he is a registered Professional Agrologist with the Alberta Institute of Agrologists.</p> <p>Eric has more than ten years of environmental experience and has completed over 800 projects on behalf of Pinchin Ltd., including commercial and industrial Phase I and II Environmental Site Assessments (ESAs) and annual groundwater monitoring and reporting.</p> <p>Prior to working for Pinchin Ltd., Eric spent several months conducting groundwater monitoring programs specifically for oil and gas clients.</p>
	10:00 – 10:30	BREAK & VIEWING THE SAFETY HALL		
204	10:30 – 11:45	CLIFF O'BRIEN Is Your Workplace Safe For Everyone, Including First Responders? BLOCKBUSTER*	In 2000, Cst John Petropoulos died as the result of a preventable fall at an unsafe workplace while investigating a break and enter complaint at a warehouse. Is YOUR workplace safe for everyone, including emergency responders? Put yourself in our boots...and get a police perspective on workplace safety. Key takeaway: you will learn why and how to make your workplace – and the roads – safer for first responders.	Cliff O'Brien is currently a Superintendent with the Calgary Police Service and has served as a Calgary police officer since 1997. Cliff was a recruit classmate and close friend of John's. He is a founding member of the John Petropoulos Memorial Fund and is currently the Chair. Cliff has delivered many JPMF safety presentations over the years in addition to delivering dozens of presentations as a police officer at the executive level.
	11:45 – 12:00	AWARDS PRESENTATION		
	12:00 – 13:00	LUNCH & VIEWING THE SAFETY HALL		

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205	13:00 – 14:00	DR. LINDA MILLER & DR. ALI GOLABCHI Vision-Based Motion Capture Technologies for Ergonomic Analysis	<p>Vision-based motion capture technologies have entered the realm of ergonomics and are being used to automate evaluation of ergonomic risks in job sites. This technology uses video recordings and AI-based vision algorithms to track and evaluate ergonomic risks without the need of sensors or wearable devices. This presentation discusses the role of vision-based motion capture as an easy-to-use, cost-effective solution that enables carrying out validated risk assessments resulting in quantified risk scores, and explores its role in comparison with wearable sensors. The use of the technology in various sectors including manufacturing, construction, utilities, continuing care, operating rooms, and healthcare is presented and implications for remote assessments, data reliability, decision-making, training, and behaviour change are discussed through a variety of case study examples. The shortcomings of the technology and the role of H&S professionals in carrying out analysis using vision-based motion capture is also explored.</p>	<p>Dr. Linda Miller CEO of EWI Works is a certified ergonomist and occupational therapist. She has been practising in the field of ergonomics for the based 30 years. She holds adjunct positions at the University of Alberta in Rehabilitation Medicine and Medicine - Occupational Medicine and Preventive Medicine.</p> <p>Along with a robust consulting career she mentors students and participates in numerous applied research projects to reduce musculoskeletal injuries in the workplace. In the past 5 years, she along with other staff within EWI Works are exploring the use of emerging technologies to streamline ergonomic assessments.</p> <p>Dr. Ali Golabchi is the Vice President of Innovation, Technology, and Research at EWI Works International Inc., Western Canada's leading ergonomics and wellness company. With a PhD in engineering, Ali joined EWI Works in 2016 where he oversees the development and adoption of technology-based, data-powered, science-driven solutions to improving health, safety, and productivity. Beyond leading these innovative initiatives, he collaborates closely with academic institutions, contributing to bridging the gap between academia and industry. With his diverse background – from engineering and construction to safety and ergonomics – he is engaged in envisioning and managing a variety of multi-disciplinary projects.</p>
206	13:00 – 14:00	MITCHELL TRICKETT An Overview of the Differences Between Jurisdictional Hearing Protection Device Attenuation Schemes and the Effectiveness of Ear Plug Fit Testing	<p>Hearing protection devices (HPD's) are one of the most common pieces of personal protective equipment worn in industrial workplaces. Because they are so common, the selection of these devices must be carefully considered. Currently in North America it is legally required for all HPD's to have a noise reduction rating (NRR) printed on the manufacturer's label. Despite this value being calculated from laboratory-grade hearing attenuation data, it is well-known that the value is an overestimate of the device's true attenuation capabilities. Outside of North America, other jurisdictions have implemented their own attenuation schemes, which use different testing and calculation methods. These schemes have also been shown to overestimate the actual attenuation capabilities of the HPD's.</p> <p>This presentation will describe some differences between the attenuation schemes and provide insight into which jurisdiction has the most accurate attenuation value when compared to real-world attenuation values. The real-world data used was obtained from fit tests conducted using a fit testing system. An overview of the fit testing systems and the results from these fit tests will also be used to demonstrate the importance of worker fit testing, in addition to the proper use and application of hearing protection, and effective training techniques.</p>	<p>Mitchell Trickett, BSc., MSc. OEH is an Occupational Hygienist with NorthStar Occupational Hygiene & Safety Ltd. He is currently living and working in Western Canada as an occupational hygiene consultant, primarily in the oil and gas field. Mitchell is chiefly responsible for providing turn-around support and conducting large-scale sampling programs for common industrial hazards such as noise, silica, welding fumes and benzene, among others.</p> <p>He joined NorthStar OHS shortly after graduating from the University of British Columbia with a Masters in Occupational and Environmental Hygiene. While completing his degree, Mitchell gained an interest in hearing protection devices and their effectiveness in real-world situations. He decided to pursue this interest and subsequently based his Master's research project on the effectiveness of hearing protection devices and the jurisdictional differences between the various noise attenuation rating systems.</p> <p>Prior to commencing his studies at UBC, Mitchell completed his undergraduate degree in Cell/Molecular Biology in his home province at Memorial University of Newfoundland.</p>

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Session	Time	Speaker Name(s) and Session Title	Session Description	Speaker Biography
				Mitchell is currently a member of the ACGIH, the BC-Yukon chapter of the AIHA, and is working towards becoming a Certified Industrial Hygienist (CIH) and CRSP.
207	13:00 – 14:00	CHRIS GAUVIN Driver Awareness Presentation	<p>We all drive for work, home and play; therefore it is not surprising that many injuries or fatalities occur in vehicle-related incidents. The impact to an employer is significant if an employee is injured or dies in a vehicle incident.</p> <p>Ensuring employees, contractors, and sub-contractors are properly trained will decrease this risk. It Saves to be Safe!</p> <p>Topics include:</p> <ul style="list-style-type: none"> • Behavioural Change Model / Fatality case Studies • Safety is a Mindset - not a Concept • “All of us drive for work, home & play” • Due Diligence – Vicarious Liability • 217.1 of the Criminal Code (Westray Bill) • Motor Vehicle Statistics • Requirement for a driver - Positive Attitude • Startled Driver - Knowing where to look, when to look, and what to look for • Motor Vehicle Incident Contributing Factors • Speed - Perception/Reaction Times • Concentration of Energy • Stopping Distance/ Distracted Driving and Driving as an ART, not an ACT! 	<p>Chris Gauvin is in his 27th year as a member of the Calgary Police Service and currently is a Sergeant in CPS Headquarters. He was a member of the Traffic Section for 10 years, and has been a Collision Analyst and Reconstructionist since 2001. During that time, Chris specialized in Crush Analysis and was the only certified Crush expert in Alberta. Chris’s main responsibility was attending all serious injury and fatality collisions in Calgary and was also tasked with assisting with complexed collisions across the Country.</p> <p>Other responsibilities included instructing Collision Investigation courses, both internally and across the province! He was also qualified as a Motorcycle instructor for the Traffic Section and conducted more than 20 courses for the Calgary Police. Chris has also specialized in all Commercial vehicle, Motorcycle and Pedestrian Fatalities! He has been qualified as an expert witness in the field of Reconstruction in all levels of Criminal Court and has also testified in Civil Court. He has taken several expert related courses and attended seminars all over North America. Chris brings with him a varied instructional background as well as organizational skills as a course facilitator. Chris joined Advantage Fleet Services as an Associate in 2008 and is working with our clients in Western Canada.</p> <p>Chris has instructed several courses since 2008 to both Civilians and Police agencies across Canada, with a specific focus to driver safety in Oil & Gas and Forestry!</p>
	14:00 – 14:15	BREAK		
208	14:15 – 15:15	TBD CLOSING KEYNOTE*	•	
	15:15 – 15:30	CLOSING CEREMONIES		