

WORKPLACE SAFETY NORTH MINING HEALTH AND SAFETY CONFERENCE 2023 APRIL 18 - 20 | SUDBURY, ON



Evolution of mining safety: Past reflections and future innovations

Conference Program





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Welcome back!

Thank you for joining the 25th annual Mining Health and Safety Conference hosted by Workplace Safety North from April 18 to 20, 2023 in Sudbury. Themed 'Evolution of mining safety: Past reflections and future innovations,' this year's conference celebrates 25 years of helping make Ontario mining operations safer.



The conference features a variety of health and safety keynote speakers, and an industry panel discussing the latest in mine safety and innovations.

On Wednesday, April 19, Dr. Rumeet Billan, a leadership, emotional resilience, and mental health expert, opens the conference with a talk on the science of trust and its importance in solving problems of risk and fostering collaboration and innovation in the workplace.

Roy Slack, Director of Torex Gold Resources and Cementation Americas, shares stories from his 40-year career that represent the Canadian mine safety journey from compliance to commitment, and emphasizes the importance of culture.

Allan Kehler, mental health advocate, discusses how to identify barriers that prevent someone from seeking help, how to support someone who appears to be in distress, and the importance of sharing your story to create an attitude of resilience.

On Wednesday, you're also invited to visit with more than 30 vendors at the Information Exchange Trade Show and network with your colleagues. Thursday, April 20, features technical sessions in the morning, followed by an awards luncheon to recognize achievements in mining health and safety. Keynote speaker Michelle Cederberg will wrap up the conference with a talk about regaining focus and reducing stress to increase safety and productivity.

2023 Mining Health and Safety Conference mobile app

Take advantage of the Mining Health and Safety Conference App to make the most of your conference and trade show experience.

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Your conference host

Workplace Safety North - Your local health and safety partner

An independent not-for-profit, Workplace Safety North (WSN) is one of four health and safety associations in Ontario, and the only one based in the north.

WSN provides province-wide Ministry-approved workplace health and safety services for the Ontario mining and forest products sectors.

With health and safety specialists located across the province, WSN and its legacy organizations have been helping make Ontario workplaces safer for more than 100 years. As a leading provider of health and safety services, businesses and communities call upon WSN for expert advice and training. For more information, visit workplacesafetynorth.ca.

With health and safety specialists across Ontario, you can access the following services:

- Training and certification
- Mining and forestry common core
- Auditing and assessments
- Risk Management Awards recognition program
- WSIB Health and Safety Excellence program

A proud partner in Ontario's occupational health and safety system, WSN is recognized by the Ministry of Labour, Immigration, Training and Skills Development, the Ministry of Colleges and Universities, and the Workplace Safety and Insurance Board as a designated trainer and service provider.





Conference Advisory Committee

Workplace Safety North would like to thank the Mining Health and Safety Conference Advisory Committee for their guidance in developing this year's conference.

Aaron Duckworth Compass Minerals

Dennis Sobey Agnico Eagle Mines

Joanne McGillis Electrical Safety Authority

Julia Salvalaggio MacLean Engineering

Michael Ferguson Boart Longyear

Michel Levesque Boart Longyear

Robert McVeigh Compass Minerals

Tom Rannelli Major Drilling

Tyler Neeley Dumas Mining

If you would like to join the Conference Advisory Committee, please contact Gaby Lemon at gabylemon@workplacesafetynorth.ca.

Conference sponsors



Tuesday Opening Reception

Tuesday, April 18, 2023

4:30 - 7:00 pm

Opening Reception – Everyone Welcome!

Join us in the Solarium for the conference kick-off. Check in early to beat the Wednesday morning rush. Enjoy appetizers, bar service, and live music.

Opening Reception sponsored by:





Safety Professionals Conseil Canadien Des Professionnels En Sécurité Agréés

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Wednesday at a glance

Wednesday, April 19, 2023

7:00 - 8:15 am	Breakfast – Georgian ABC
8:15 - 8:30 am	Conference Welcome
	Michelle Cederberg, Change, Health and Productivity Expert, Conference M.C.
8:30 - 9:00 am	State of the Industry
	Mike Parent, WSN Vice President of Health and Safety Services
9:00 - 10:00 am	Innovating with Trust
	Dr. Rumeet Billan, Leadership, Emotional Resilience and Mental Health Expert
10:00 - 10:30 am	Health Break and Trade Show - Solarium
10:30 - 11:30 am	A 40-Year History of Safety Shares
	Roy Slack, Director of Cementation Americas and Torex Gold Resources
11:30 – 12:30 pm	Lunch – Georgian ABC
12:30 – 1:30 pm	Industry Panel: Reconnecting on the Evolution of Mining Safety
	Don Duval, NORCAT, Frank Demers, Vale, Keith Hanson, IAMGOLD, Samantha Espley, Stantec
1:30 – 2:30 pm	Mental Health: Finding Your Voice
	Allan Kehler, Mental Health Advocate
2:30 - 4:30 pm	Trade Show – Solarium

Wednesday - Plenary Sessions

8:15 - 8:30 am

Conference Welcome



Michelle Cederberg Change, Health and Productivity Expert Conference M.C.

8:30 - 9:00 am

State of the Industry



Mike Parent Vice President of Health and Safety Services Workplace Safety North

9:00 - 10:00 am

Innovating with Trust



Dr. Rumeet Billan Leadership, Emotional Resilience and Mental Health Expert

Earning trust has never been more imperative than it is today. Trust helps to solve problems of risk and is needed for collaboration and innovation. Embracing risk during this time can be challenging, especially when there is greater exposure to uncertainty. This session examines the science of trust, misperceptions, and navigating distrust. The connections between transparency, vulnerability, and trust are explored. Learn about the tools and strategies to lead and manage from a place of trust.

10:00 - 10:30 am

Health Break and Trade Show – Solarium

10:30 - 11:30 am

A 40-Year History of Safety Shares



Roy Slack Director of Cementation Americas and Torex Gold Resources

A leader in safe mining practices, Roy shares safety-related stories from his 40-year career in the mining industry. The stories represent the Canadian mine safety journey from compliance to commitment and emphasize the importance of culture. Each safety share will generate some obvious – and sometimes not so obvious – lessons learned. The benefit of Roy's experience leads him to explore the next steps to continue to go beyond process and culture to create a workplace that isn't just safer, but safe.

11:30 - 12:30 pm

Lunch - Georgian ABC

12:30 - 1:30 pm

Industry Panel: Reconnecting on the Evolution of Mining Safety

Don Duval, NORCAT, Frank Demers, Vale, Keith Hanson, IAMGOLD, Samantha Espley, Stantec Moderator: Derek Budge, Redpath

Industry leaders reconnect on the evolution of mining safety with a focus on what's new in the Ontario mining industry, leadership, technology, and mental health.

1:30 - 2:30 pm

Mental Health: Finding Your Voice



Allan Kehler Mental Health Advocate

When it comes to mental health, there are countless barriers that prevent individuals from seeking help. This includes everything from the fear of judgement or failure, to being perceived as less than others or weak. Allan will teach you how to share your story by stepping into your vulnerability and connecting to yourself and others in an authentic way.

2:30 - 4:30 pm

Information Exchange Trade Show – Solarium and Georgian ABC

Thursday at a Glance

Thursday, April 20, 2023

7:00 - 8:00 am Breakfast - Georgian DE
8:00 - 12:20 pm Technical sessions - Georgian ABC and Solarium

Awards Luncheon - Georgian DE

12:20 – 1:15 pm	Awards Luncheon
1:15 – 1:30 pm	Ontario Mining Contractors Safety Association Innovation Awards
1:30 – 2:30 pm	The Success-Energy Equation: How to Regain Focus, Recharge your Life, and Really Get Sh*t Done
	Michelle Cederberg, Change, Health and Productivity Expert

In an age of disengagement, distraction and fatigue still lingering from the pandemic, how we work and live has been tested. As we navigate ongoing uncertainty, we are busy, stretched, and stressed and it can be tough to stay positive and lead effectively. In this session, Cederberg discusses her story of personal loss involving a workplace incident, and the resulting shift in her perspective. She shares her research to help you and your team regain focus and tap into a well of energy that will increase safety and productivity, and help reduce stress in every area of your life.

2:30 - 2:45 pm Closing Remarks

Paul Andre, WSN President and CEO

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Thursday at a Glance

Thursday, April 20, 2023

Georgian A	Georgian B
8:00 - 8:35 am	
New Research in Surface Diamond Drilling Sector Explores Top Risks and their Causes	Statistical Trends Related to Substance Abuse in Canada and the Psychology Behind Addictions
James Johnstone, Workplace Safety North	Randy Herman, SureHire Inc.
8:40 – 9:15 am	
A Hot History, a Hotter Future: Creating a Heat- Resilient Workforce for the Mining Industry in the Face of a Warming Planet	Safety Culture as a Catalyst for Health and Safety Systems: Knowing Where You Are, to Plan Where You Want to Be, and Where to Start
Glen P. Kenny, Ph.D., and Emily J. Tetzlaff, Ph.D. Candidate, Human and Environmental Physiology Research Unit, University of Ottawa	Lindsay Digby, Workplace Safety North, and Ashley Kirwan, ORIX Geoscience
9:20 – 9:55 am	
Safety Review of Past and Future Bolting Practices - A Mine Contractor's Perspective	Workplace Safety Culture in Action Gus Minor, Sofvie Inc.
Ryan Lyle, Cementation Canada Inc.	

Georgian C	Solarium
8:00 - 8:35 am	
How Software Improves Mine Safety	Agnico Eagle Mental Health Initiative
Dawn Larsen, Epiroc	Marsha Nicholas, Agnico Eagle
8.40 -	9:15 am
Digital Transformation of the Mine Tagboard Yvan Brulé, TopVu	Critical Incident Stress Management, Peer Support, and their Integration with Psychological Health and Safety in the Workplace Dave Boucher and Steven Horner, CounterStress
	Solutions
9:20 – 9:55 am	
Drones for Safe Inspection at Goderich Mine Marsel Gelvikh and Ashley	I Eat, therefore I am (Not) Stressed: Understanding the Role of Food, the Body and Stress
Hunt, Compass Minerals Goderich Mine	Parastou Zerang, CROSH- Laurentian University

Thursday at a Glance

Thursday, April 20, 2023

Georgian A	Georgian B
9:55 – 10:25 am	

Health Break - Refreshments in Solarium

10:25 - 11:00 am	
Ground Monitoring in Underground Mine Design: A Case Study Sia Taghipoor, KGHM International	Your Health and Ontario's Focus on Occupational Disease Prevention: Data, Tools and Resources to Address Risks
	Victoria Arrandale, U of T, Kimberly O'Connell, OHCOW, Sandra Dorman, CROSH
11:05 – 11:40 am	
Outlook on MacLean Ground Support Solutions Maarten van Koppen, MacLean Engineering	COPD and Compensation Claims: Every Miner has Their Story Dr. Sherry Mongeau, NOSM University
11:45 – 12:20 pm	
Dynamic, Static and Shear Testing of NORMET'S Urea- Silicate Injection Resin and Self-Drilling Dynamic Bolt (SDDB [®])	Barrick Hemlo's DPM Management Program Update Hannah Demers, Barrick Gold - Hemlo
Allan Punkkinen, Normet Canada	

Georgian C	Solarium	
9:55 - 1	0:25 am	
Health Break – Refreshments in Solarium		
10:25 - 1	11:00 am	
The United Steelworkers Diesel Particulate Project	Putting the "Health" in Health and Safety	
George Flagler, Laurentian University-CROSH	Jim Lundrigan, Technica Mining, and Kristina van Lankvelt, Mediwell	
11:05 – 11:40 am		
Health and Safety in Ontario: Where We Are and Where We Want to Be	The Evolution of the Mining Athlete: Shifting to a Zero- injury Workforce	
Jeffery A. Lang, Workplace Safety and Insurance Board	Mario Causevic and Priya Maloni, MYNWELL	
11:45 – 12:20 pm		
Optimization of Energy Isolation Processes Through Remote Isolation Systems	Management of Impairment in the Workplace - Fitness for Duty in our New Normal	
Mercedes Valli, SafeBox Systems	Dan Demers, CannAmm Occupational Testing Services	

Thursday Technical Session Descriptions

Georgian A

8:00 - 8:35 am

New Research in Surface Diamond Drilling Sector Explores Top Risks and their Causes

James Johnstone, Workplace Safety North

As part of the provincial risk-based analysis research underway, a group of subject matter experts from the surface diamond drilling sector met to identify the highest risks to worker health and safety. Workplace Safety North, with the support of the Canadian Diamond Drilling Association and the Ministry of Labour, Immigration, Training and Skills Development, planned and facilitated a mining risk assessment workshop in August 2022. This presentation discusses the research and next steps including recommended controls. Through sector engagement, the goal is to create a consistent industry standard and increase knowledge of the top hazards in the surface diamond drilling sector.

8:40 - 9:15 am

A Hot History, a Hotter Future: Creating a Heat-Resilient Workforce for the Mining Industry in the Face of a Warming Planet

Glen P. Kenny, Ph.D., and Emily J. Tetzlaff, Ph.D. Candidate, Human and Environmental Physiology Research Unit, University of Ottawa

Heat is an occupational health and safety hazard. While limits for heat stress have been recommended by occupational safety agencies, heat stress continues to affect worker health and safety within the mining and metallurgical industry. Climate change is increasing the number of hot weather events. The risk of heat-related injury and disease is expected to rise dramatically over the coming decades. This presentation supplies an overview of the critical challenges the mining and metallurgical industry face in protecting workers. Learn important solutions and get advice specific to the mining and metallurgical sector to improve and refine existing workplace heat prevention and monitoring programs.

9:20 – 9:55 am

Safety Review of Past and Future Bolting Practices - A Mine Contractor's Perspective

Ryan Lyle, Cementation Canada Inc.

If mechanized rock bolting produces safer results without impairing performance, why isn't all rock bolting mechanized? There has been a progression of rock-bolting installation methods, from using handheld gear off the muck pile, to remote mechanized screen and bolting from an adjacent heading. The presentation examines the safety and productivity of mechanized bolting methods. Equipment advancements are needed for efficient installation of ground support products. This presentation is shared with two goals in mind: (1) greater adoption of mechanized bolting in Canadian mining leading to better safety outcomes, and (2) further development by equipment suppliers to overcome current challenges to allow increased adoption of mechanized bolting.

10:25 – 11:00 am

Ground Monitoring in Underground Mine Design: A Case Study

Sia Taghipoor, KGHM International

Ground monitoring devices are valuable tools for ground control engineers to design underground openings. These instruments are also used to alert excessive deformation around mine openings, and to prevent exposure of workers to fall of ground. Monitoring devices come in different types for different applications depending on the parameters being monitored: extensometers for ground deformation, stressmeters for ground stresses, pressure cells for backfill design, piezometers for water pressure, etc. This presentation discusses the results of monitoring an open stope at KGHM's McCreedy mine. The stope design, monitoring results, and re-entry protocol are all reviewed.

11:05 - 11:40 am

Outlook on MacLean Ground Support Solutions

Maarten van Koppen, MacLean Engineering

This presentation outlines where MacLean is going with various ground support products. MacLean is investing heavily in solutions that enable geotechnical engineers to have maximum flexibility, while providing safe, cost effective and productive equipment for mine operations to meet their targets. Bolters, cable bolters, and shotcrete equipment are the type of machines discussed, along with their roadmaps into the future.

11:45 - 12:20 pm

Dynamic, Static and Shear Testing of NORMET'S Urea-Silicate Injection Resin and Self-Drilling Dynamic Bolt (SDDB[®])

Allan Punkkinen, Normet Canada

For many years, injection resins have been used for secondary support applications such as cable bolting. The application as a primary support, particularly as a component in a dynamic support system, must be measured before the system can be introduced. The Normet SDDB varieties have been tested dynamically with cement grout at the CanmetMINES facility at Bell's Corners in Kanata. Following several investigations into the response of pumpable resins for use with hollow-core support components in high stress and squeezing ground conditions, Normet carried out comprehensive testing of the bolt. This presentation discusses the dynamic, static, and shear tests to measure the bolt's effectiveness in resin for the fit-for-purpose internal diameter dimension variations of the bolt. Recent field test results are also discussed.

Georgian B

8:00 - 8:35 am

Statistical Trends Related to Substance Abuse in Canada and the Psychology Behind Addictions

Randy Herman, SureHire Inc.

This presentation covers an analysis of trends in positive drug testing rates in Canada. A concerning fact is that we are seeing a continued increase in the overall positivity rate. The presentation examines the positivity rates and how they vary by drugs and regions. A full snapshot of what we are seeing in our Canadian workplaces is supplied. The presentation discusses the psychology of addictions and covers the impact of the legalization of marijuana and the effects of the COVID-19 pandemic.

8:40 - 9:15 am

Safety Culture as a Catalyst for Health and Safety Systems: Knowing Where You Are, to Plan Where You Want to Be, and Where to Start

Lindsay Digby, Workplace Safety North, and Ashley Kirwan, ORIX Geoscience

Both companies and consultants who send employees to job sites have a responsibility to keep their staff safe. This presentation takes a team-based approach to discussing where Orix is on the health and safety best practices spectrum, and where they want to be. Their journey takes a holistic approach to systematically create an integrated health and safety strategy. Learn about purposeful actions you can take to shape a culture-based health and safety management system. The goal is to create a positive and sustainable workplace culture. The discussion includes take-home workbooks for practical ways to apply what you've learned to your organization.

9:20 - 9:55 am

Workplace Safety Culture in Action

Gus Minor, Sofvie Inc.

The presentation covers all aspects of a digital and cultural transformation as experienced through the work between Technica Mining and Sofvie. Discover what these organizations have learned over the past few years, and the amazing evolution of the workplace in the improvement of safety and sustainable production.

10:25 – 11:00 am

Your Health and Ontario's Focus on Occupational Disease Prevention: Data, Tools and Resources to Address Risks

Victoria Arrandale, University of Toronto, Kimberly O'Connell, OHCOW, Sandra Dorman, CROSH

Building on the success of the Occupational Disease Action Plan, the Occupational Illness Prevention Steering Committee was created to align with Ontario's occupational health and safety strategy Prevention Works. The goal of the committee is to align efforts on the prevention of occupational illness (OI). Especially the prevention of hazardous exposures and the reduction of the OI burden in Ontario workplaces. A 2017 study on the Burden of Occupational Cancer in Ontario estimated that each year in the Ontario mining industry, respirable crystalline silica is responsible for 26 cases of lung cancer, and diesel engine exhaust is responsible for 68 cases of lung cancer and 5 cases of bladder cancer. Join our panel of system partners to hear more about new initiatives, with a focus on activities relevant to mining.

11:05 - 11:40 am

COPD and Compensation Claims: Every Miner has Their Story

Dr. Sherry Mongeau, NOSM University

Chronic obstructive pulmonary disease (COPD) causes many deaths in the world. Cigarettes are the main cause of this disease. However, workplace exposures, including those in the mining industry, may also lead to COPD. Some of these exposures include dust and fumes that can be higher for workers in the mining industry who work in small areas. As a result, workers in the mining industry may submit compensation claims. Sadly, work-related COPD is undercompensated and not well recognized by the Ontario Workplace Safety and Insurance Board. This qualitative narrative study used in-depth telephone interviews with underground miners to collect information. This is the first study to examine how COPD could affect underground mining workers in northeastern Ontario. This study could help to improve services and support for workers with occupational illnesses.

11:45 - 12:20 pm

Barrick Hemlo's DPM Management Program Update

Hannah Demers, Barrick Gold - Hemlo

It took about two years of widespread sampling, research, and reaching out to other operations and consultants, to put together a list of options for managing the diesel particulate matter (DPM) levels underground. Several options were looked at and evaluated based on what would make the most sense for our operation. We then moved onto testing equipment, purchasing and installation, and creating standards by which we hoped to lower our DPM levels. It took time for operators to get used to the changes, recognize the benefits, and buy into the program. Gradually, the maintenance department established a filter changing and cleaning routine. Throughout this time, airborne DPM monitoring was ongoing. Trends were being recognized as we moved through the seasons of the year. When issues were identified as causing excessive DPM levels, further tweaking of the procedures was done. This same type of work continued through 2020 into 2022, allowing us to gather lessons learned, to continue to make minor adjustments. We can be confident the DPM management program is working to provide and healthier and safer work environment.

Georgian C

8:00 - 8:35 am

How Software Improves Mine Safety

Dawn Larsen, Epiroc

In this presentation, Larsen details how digital software has been implemented in mines worldwide, using many case studies to identify opportunities where health and safety were improved significantly using situational awareness and emergency support software. This session provides an overview of how the software can rapidly prevent accidents and significantly reduce emergency response time.

8:40 - 9:15 am

Digital Transformation of the Mine Tagboard

Yvan Brulé, TopVu

"Digital transformation is the adoption of digital technology by an organization to digitize non-digital products, services or operations. The goal for its implementation is to increase value through innovation, invention, customer experience or efficiency." – Wikipedia. Since all mines use a tagboard as their underground workforce manifest, it's the perfect candidate for digital transformation. TopVu's eTagBoard is a physical board that digitally captures the presence or absence of a miner's tag. In this session, we focus on integration and examine how companies such as Glencore and Agnico Eagle have leveraged eTagBoard's ability to integrate with personal tracking and turnstiles to prevent tagboard incidents, (for example, forgetting to tag in or tag out). We also examine how "real-time" integration with Emergency Assembly Point monitors can quickly provide Mine Rescue with accurate information about the workforce and their location during emergencies.

9:20 – 9:55 am

Drones for Safe Inspection at Goderich Mine

Marsel Gelvikh and Ashley Hunt, Compass Minerals Goderich Mine

Goderich Mine has been operating for over 60 years in southwestern Ontario producing and supplying salt. Over the past four years, the mine has adapted new 3D light detection and ranging (Lidar) and drone technology to make current processes safer and more efficient. As the mine grows underneath Lake Huron, there are opportunities to improve the efficiency of the operation through rehabilitation of abandoned historic mine workings. Drone inspection is being used along with technology to map out and provide details on the condition of areas that have been abandoned for decades. This allows for mine planning and ground control engineers to properly plan rehab activities. This process provides the mine with real-time data without exposure to risk. Drone technology has also proven incredibly valuable in documenting scenes post-incident, providing additional information on ground conditions in the current workings, and performing accurate surveys of storage piles from a safe distance.

10:25 - 11:00 am

The United Steelworkers Diesel Particulate Project

George Flagler, Laurentian University-CROSH

This presentation is an overview of an extensive project, initiated by the United Steelworkers (USW) Local 6500 in 2020. The project has two phases highlighted in the presentation, (1) overview of diesel particulate

Mining Health and Safety Conference 2023

exposure and the work towards lowering the occupational exposure limit in Ontario mining, and (2) educational intervention to assess the effectiveness of the communication and education of mine workers, and how they can advocate for a safer working environment. There is a review of the history of contact between USW and the Ministry about lowering the occupational exposure limit (OEL) for diesel particulate in mining from the current level to a safer one recommended by Occupational Cancer Research Centre and CAREX Canada. The presentation reviews and compares the OEL recommended or enforced in other regions globally. Learn about the research that supports a harmonized OEL in Canada and current challenges achieving this.

11:05 - 11:40 am

Health and Safety in Ontario: Where We Are and Where We Want to Be

Jeffery A. Lang, Workplace Safety and Insurance Board

Mining contributes to Ontario's economy in numerous ways, including being a direct employer of about 30,000 people. With a number of mines now under construction in Ontario and more planned, more people will find employment in the industry, and it will be critical to ensure their health and safety. Lang discusses current workplace health and safety trends in Ontario, what needs improvement, and areas of interest specific to the mining sector.

11:45 - 12:20 pm

Optimization of Energy Isolation Processes Through Remote Isolation Systems

Mercedes Valli, SafeBox Systems

Lockout and tagout protects workers against accidental energization when working on equipment. The process has significant risks associated with errors and costly downtime requirements. This presentation explores the safety and productivity issues associated with lockout/tagout as a protection against accidental energization while working on or around plant equipment. Learn about a novel remote isolation technology that enhances the lockout process through an automated safety system. Case studies will be shared regarding its functionality and operation.

Solarium

8:00 - 8:35 am

Agnico Eagle Mental Health Initiative

Marsha Nicholas, Agnico Eagle

Employee mental health is one of the most important issues facing workplaces today. With mental health being the leading cause of disability in Canada, Agnico Eagle is implementing initiatives to help support employees.

8:40 - 9:15 am

Critical Incident Stress Management, Peer Support, and their Integration with Psychological Health and Safety in the Workplace

Dave Boucher and Steven Horner, CounterStress Solutions

This presentation outlines the principles of psychological health and safety in the workplace as defined in voluntary standard CSA Z1003-13 (Standard). Within that framework, the role and implementation of critical incident stress management (CISM) and peer support programs in the mining industry are discussed. The presentation includes data regarding the cost-benefit of peer support programs as well as examples of active programs in the public and private sectors. The presenter has worked with Vale CISM teams in both Sudbury, ON, and Thompson, MB, as well as Glencore. The International Critical Incident Stress Foundation model of crisis intervention and principles of more broadly-based peer support programs are outlined. 9:20 - 9:55 am

I Eat, therefore I am (Not) Stressed: Understanding the Role of Food, the Body and Stress

Parastou Zerang, CROSH-Laurentian University

The mechanisms of fast and slow stress responses, as well as acute and chronic stress, are reviewed. The three pathways that connect the gut to the brain will be briefly explained. Learn how dietary patterns and food components affect your mood.

10:25 - 11:00 am

Putting the "Health" in Health and Safety

Jim Lundrigan, Technica Mining and Kristina van Lankvelt, Mediwell

Many companies use the term health and safety, but few actually focus on the personal health aspect of their employees. Technica Mining in partnership with Mediwell is developing a unique program to address employees health in the mining contracting world.

11:05 - 11:40 am

The Evolution of the Mining Athlete: Shifting to a Zero-injury Workforce

Mario Causevic and Priya Maloni, MYNWELL

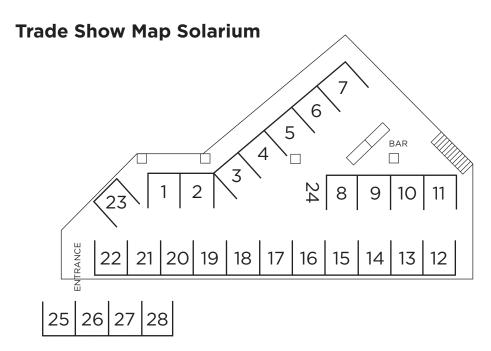
This session focuses on the evolution of the "Mining Athlete" with an outlook on the current state of the mining workforce's physical wellbeing, injury prevention protocols, and ergonomics. Our goal is to educate and provide awareness, and highlight key steps that need to be taken to create a preventative model of care. As a result, mine sites can minimize overall risk of injury and boost employee engagement. 11:45 - 12:20 pm

Management of Impairment in the Workplace -Fitness for Duty in our New Normal

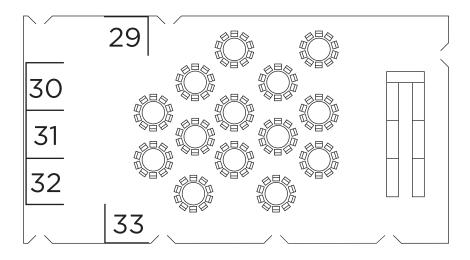
Dan Demers, CannAmm Occupational Testing Services

Impairment in the workplace comes in many forms and presents genuine risks to workplace safety and the public. Canada has developed the first standard to address worker impairment. The Canadian Standards Association's (CSA) Z1008 "Management of impairment in the workplace" is both unique and informative to all employers. A worker's state is just as crucial to workplace safety as the environment and related safety systems in place. This session summarizes the most actionable areas of the CSA Z1008 standard. Get guidance on how to allocate resources to reduce worker impairment. The resulting measurable impact on safety performance is also outlined. Canada's legal landscape has stifled many Canadian employers' efforts to maintain an impairment-free workplace – and the standard supplies a proactive way to address workplace impairment.

Trade show map



Trade Show Map Georgian ABC



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Trade Show Exhibitors

WSN is pleased to welcome the following exhibitors to its 2023 Information Exchange Trade Show from 10:00 am to 4:30 p.m. on Wednesday, April 19, in the Solarium, hallway and Georgian ABC. Be sure to enter the prize draw for a chance to win a Yeti cooler.

Solarium

- 1. Provix
- 2. BCRSP
- 3. TopVu
- 4. TPS Group of Companies
- 5. A&M Remediation
- 6. Sofvie Inc.
- 7. MSA safety
- 8. BluMetric Environmental Inc.
- 9. Levitt Safety Ltd.
- 10. Health and Safety Professionals Inc.
- 11. Draeger Safety Canada Ltd.
- 12. Action First Aid
- 13. UNIK SAFETY
- 14. STC Footwear
- 15. Kovatera
- 16. Pneuma-Tool
- 17. Methapharm Specialty Pharmaceuticals
- Canadian Injury Management Services

19. Point to Point Communications

- 20. x-Glo North America Inc
- 21. Becker Mining Systems
- 22. Headversity
- 23. Wesco Safety
- 24. Accutron

Hallway

- 25. Vallen Canada
- 26. Workplace Safety and Insurance Board
- 27. AJ Stone
- 28. Soucie Salo

Georgian ABC

- 29. Cambrian College
- 30. Electrical Safety Authority
- 31. Workplace Safety North
- 32. Canadian Centre for Occupational Health and Safety



Certification Matters!

Visit www.bcrsp.ca to learn more about eligibility and examination requirements for the CRSP[®] and CRST[®] certification programs.

The BCRSP is a public interest, not-for-profit certification body dedicated to the principles of health and safety in Canada. It develops comprehensive accredited* certification programs for OHS practitioners, including the Canadian Registered Safety Professional (CRSP[®]) and Canadian Registered Safety Technician (CRST[®]) certifications.

*BCRSP certifications are accredited to ISO/IEC 17024 and BCRSP is certified to ISO 9001.

Certifications for the OHS profession

The Canadian Registered Safety Professional (CRSP®) certification is designed for individuals leading or managing OHS systems and programs. They have in-depth knowledge of OHS principles and practices and apply broad based safety knowledge to analyze and develop systems that will achieve optimum control over hazards and exposures detrimental to people, equipment, material and the environment.

The Canadian Registered Safety Technician (CRST®) certification is designed for individuals supporting a safe working environment by maintaining OHS administrative processes, conducting training, and using a range of state-of-the-art tools, processes, and common practice solutions to occupational health and safety risks. They oversee and drive monitoring and compliance in relation to technical and behavioral risk controls.

Recognize Occupational Health & Safety (OHS) expertise in your organization through a BCRSP certification

S. Arthur TAGGED IN Jan. 15, 6:15 am

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