

WORKPLACE SAFETY NORTH VIRTUAL MINING HEALTH AND SAFETY CONFERENCE

Wednesday, April 14, 2021

Conference Program



workplacesafetynorth.ca/events

#MiningSafety2021

SAFETY MEETS INNOVATION

**BROW
ALERT**



**REDUCE
RISK**



**MAINTAIN
WORKFLOW**



**ENCOURAGE
ACCOUNTABILITY**



Program

Welcome!	3
Your conference host	4
Conference Advisory Committee	5
Conference Sponsors	6
Trade Show Exhibitors	7
Conference Online Schedule	
8:30-9:00 am Welcome and Opening Remarks	8
9:00-10:00 am Opening Keynote: Drew Dudley	8
10:05-10:50 am Technical Breakout Sessions	8
10:50-11:05 am Trade Show and Health Break	9
11:05-11:50 am Technical Breakout Sessions	9
11:55-12:55 pm Lunch Keynote: Dave Wilkin	10
1:00-1:45 pm Technical Breakout Sessions	10
1:45-2:00 pm Trade Show and Health Break	11
2:00-3:00 pm Industry Panel: Mining Moving Forward	11



MINING LOCATION SERVICES

TopVu's web-based, REST API platform integrates multiple tracking systems to improve safety systems, mine rescue, production efficiencies and digital records.

DIGITAL/SMART TAGBOARD



PROPERTY ACCESS



CHECKPOINT TRACKING



Enterprise Software

ORE TRACKING



Contact us to schedule your video demo.

Phone: 705-419-2555 • Email: sales@topvu.ca • Visit: www.topvu.ca

Welcome!

Thank you for joining the 23rd annual Mining Health and Safety Conference. This year, the theme is 'Unearthing the Way Forward' and to keep everyone safe and healthy, it's being held as a one-day online format. The conference features two keynote speakers and a variety of professional and community-based session speakers, as well as a trade show and industry panel.

Drew Dudley, leadership author and educator featured on TED Talks, speaks about leadership values and will change the way you think about leadership in your life and workplace.

Dave Wilkin mentoring expert and social entrepreneur, talks about the power of mentorship and how it fosters dialogue across all departments, ages, and geographies.

During the trade show and health breaks, you're invited to visit exhibitors at the Information Exchange Trade Show and network with your colleagues.

Technical breakout sessions feature topics on mining health and safety research and innovations, including mine design, outbreak detection, masks, systems, drone technology, as well as mental health, advanced battery technology, and mechanized rock support installation.

The industry panel, 'Moving Mining Forward,' wraps up the conference with an informal discussion among industry leaders about the future of mining



Help make Ontario workplaces safer

Join Workplace Safety North board of directors

Gain experience, add value, and make a difference in the lives of working Ontarians.

Non-profit association seeks your industry expertise in occupational health and safety to help shape Ontario prevention system, foster effective stakeholder relationships, and serve as a health and safety advocate for Ontario workplaces.

Learn more:

workplacesafetynorth.ca/board-application

 1-888-730-7821 (Ontario)

 workplacesafetynorth.ca

Your conference host Workplace Safety North - Your health and safety partner

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

Headquartered in northern Ontario, WSN provides province-wide Ministry-approved workplace health and safety training and services for the mining and forest products industries.

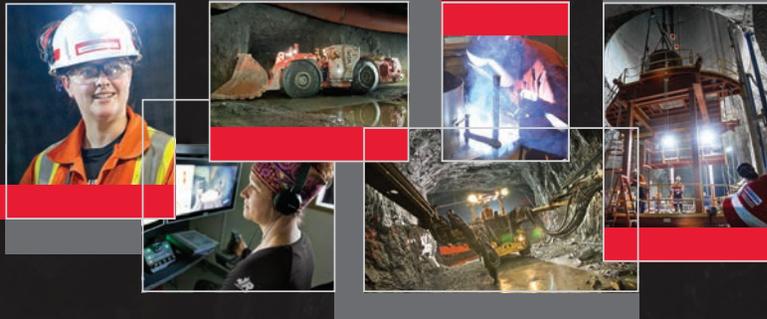
With health and safety specialists located across the province, WSN and its legacy organizations have been helping make Ontario workplaces safer for more than 100 years. A leading provider of health and safety training and consulting, businesses call upon WSN for expert advice information.

Services: Safe Workplace Ontario third-party business health and safety certification program, Workplace Safety and Insurance Board Excellence incentive program, business health and safety program and culture audit, and on-site health and safety consulting.

Training: Ministry-approved courses: Joint Health and Safety Committee Certification, Occupational Health and Safety Representative, Working at Heights Safety Training, mining and forestry common core mandatory skills training. Related courses include Competent Supervisor, Mental Health First Aid, Mine Rescue, and more.



Consider it done – safely.



The Redpath Group has provided full service mining solutions and innovation around the world, **SINCE 1962.**

- ✓ Underground Construction
- ✓ Engineering & Technical Services
- ✓ Specialty Services
- ✓ Shaft Sinking
- ✓ Mine Development
- ✓ Contract Mining
- ✓ Raiseboring
- ✓ Raise Mining

AFRICA | ASIA | AUSTRALIA | EUROPE
NORTH AMERICA | SOUTH AMERICA



Safety - First, Last and Always. redpathmining.com

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.

Darren Toner

Manager of Health, Safety, Environment and Risk
Vale, North Atlantic Capital Projects

Dennis Sobey

Risk, Health and Safety Manager
Kirkland Lake Gold Detour Mine

Chris Bamberger

Manager of Learning and Development
Vale, North Atlantic Operations

Dan Laing

Project Manager
Stantec

Draper Selman

Environment, Health and Safety Coordinator
Boart Longyear, Red Lake

Joanne McGillis

Northern Regional Office Supervisor
Electrical Safety Authority

Michael Ferguson

Senior Products Design Engineer
Boart Longyear, North Bay

If you would like to join the Conference Advisory Committee, please contact Gaby Lemon at (705) 677-5367 or gaby lemon@workplacesafetynorth.ca.

GLENCORE



A proud sponsor.

glencore.com

Conference Sponsors

Keynote Speaker Sponsor



Platinum Sponsors



Gold Sponsors



Silver Sponsors



Media Sponsor





Life matters most.

At Vale, we value life above all else, which is why health and safety is the number one priority in our operations.

Vale is proud to sponsor the Workplace Safety North Mining Health & Safety Conference. We look forward to the opportunity to learn and share experiences with our friends and colleagues.




For a world with new values.

Trade Show Exhibitors

WSN is pleased to welcome the following exhibitors to its online 2021 Information Exchange Trade Show.

[Directory](#) [Floor Plan](#)

Accutron Instruments
 Belt Conveyor Guarding
 Cosmos Forms
 Draeger Safety Canada
 Electrical Safety Authority
 Glencore Sudbury Integrated Nickel Operations
 HARD-LINE
 Health and Safety Professionals Inc.
 Jannatec Technologies
 MSA Safety
 Provix
 Rajant
 Redpath Mining
 SafeBox Systems
 Songbird Life Science
 Threads of Life
 TopVu
 Vale
 Workplace Safety and Insurance Board
 Workplace Safety North

8:30-9:00 am

Welcome and Opening Remarks

Paul Andre

President and CEO
Workplace Safety North

Angele Poitras

Master of Ceremonies
Community Engagement Specialist
Workplace Safety North

9:00-10:00 am



The Leadership Test: Six Questions that Transform People and Organizations

Drew Dudley

Day One Leadership

In this engaging and empowering keynote, leadership author and educator, Drew Dudley, demonstrates a form of leadership to which we should all aspire: one that is driven by a daily commitment to act on six key leadership values: impact, courage, growth, empowerment, class and self-respect.

This session:

- Highlights the hesitation to see ourselves as leaders
- Reframes leadership as a daily choice
- Outlines the framework of “The Leadership Test:” an easy-to-apply approach to positive leadership behaviour
- Provides strategies for more effectively embodying the values of impact, courage, growth, empowerment, class, and self-respect

10:05-10:50 am

Technical Breakout Sessions

PREVENT

Mining-Related Lower Back Injuries and the Compensation Process: An Injured Workers' Journey

Sherry Mongeau

PhD Candidate, School of Rural and Northern Health
Laurentian University

In Ontario, when an occupational injury occurs in the mining industry, there is often a need to interact with the Workplace Safety and Insurance Board (WSIB). During this process, miners experience economic, social, and mental health-related issues that can affect their overall well-being. This study aimed to determine the impact of a lower back injury and the WSIB claim process experience expressed by some male, underground miners in Sudbury, Ontario, Canada.

PROTECT

Masks: Breaking the Chain of Infection in the Workplace

Sandra Dorman BSCh PhD

Full Professor and Faculty of Health Director
Centre for Research in Occupational Safety and Health

This session reviews the theory behind the ‘Chain of Infection’ as a model for preventing the spread of disease. It highlights the role that masks play in preventing the spread of disease, including a discussion on the proper use of masks, their limitations, and a comparison of mask types, with a focus on the differences between surgical masks and respirators. This discussion is in the context of the industrial workforce.

DISCOVER

Transforming Safety through Applied Drone technology

Mike Campigotto

President
SafeSight Exploration

This presentation focuses on the power of applied technology underground, specifically related to the application of drone technology. Learn about the current state of the technology and how it increases safety by removing the human element from high-risk environments and tasks. Discussion on operational applications and results of this technology in action today, as well as the direction and potential into the future. Discover and explore innovative thinking and application of the digital platform to create safer site operations.

RENEW

Energy Optimization

Kristina van Lankvelt

Director of Wellness
Med-I-Well Services

As health coaches and behaviour change specialists, we often hear clients say “if only I had more time” or “there isn’t enough time in the day.” The solution is not to focus on time management but instead, energy management. More specifically, energy optimization. Time is finite. Energy, on the other hand, can be systematically expanded and renewed. There are many simple strategies and concepts that can be applied across organizations or with individuals that can drastically improve their overall energy levels, vitality, physical and mental health, and overall happiness. In this presentation, you will be provided with what energy optimization really is, the strategies to achieve it, and the benefit of incorporating these strategies in your personal life and within your organization that extend to all aspects of health and safety.

10:50-11:05 am

Trade Show and Health Break

11:05-11:50 am

Technical Breakout Sessions

PREVENT

The Laws and Tools to Prevent Occupational Cancer, and Other Occupational Illnesses

Kimberly O’Connell MSc, CIH, ROH, CRSP

Executive Director
Occupational Health Clinics for Ontario Workers

In Ontario, when an occupational injury occurs in the mining industry, there is often a need to interact with the Workplace Safety and Insurance Board (WSIB). During this process, miners experience economic, social, and mental health-related issues that can affect their overall well-being. This study aimed to determine the impact of a lower back injury and the WSIB claim process experience expressed by some male, underground miners in Sudbury, Ontario, Canada.

DISCOVER

Enhancing Safety Systems by Integrating TagBoards, Tracking and Location Monitoring Systems

Yvan Brulé

Business Developer
TopVu

TopVu’s most impactful innovation comes in the form of a RESTful API software that integrates multiple Location Monitoring systems onto one platform. This session reviews and demonstrates the benefits of integrating individual components (Tracking Systems, Digital TagBoards, Turnstiles, and Muster Tap Stations) to reinforce safety procedures and assist mine rescue efforts.

DISCOVER**Glencore's 'Designed for Depth' Initiative Demonstrates the Intersection of Safety and Innovation****Michael MacFarlane**
Innovation Consultant
Glencore INO

The future of Glencore is being 'Designed for Depth.' Glencore is currently designing and building the next generation of mines with the latest technology in mind. Future mines will be safer, quieter and diesel-free, as well as economically sustainable. Learn more about Glencore's 'Safe-Deep-Development Program' which will include ore work from surface and have workers at least 5-metres away from active development face.

11:55-12:55 pm

**Lunch Keynote: Connecting the Leaders of Today with the Leaders of Tomorrow****Dave Wilkin**
Founder of TenThousandCoffees.com
Social Entrepreneur, Mentoring Expert

Dave shares his singular approach to leveraging the power of conversation within your organization. He shows how matching senior with junior employees can help overcome destructive silos, and foster dialogue across departments, ages and geographies.

Through his own experience working with organizations of all sizes, Wilkin explains how helping employees build diverse relationships from day one helps employers engage, retain, and attract top talent.

Whether working with teams of 100 or 10,000, Wilkin can help improve your team dynamic and employee experience for good: enabling you to drive collaboration, innovation, and ultimately, profitability.



#MiningSafety2021

1:00-1:45 pm

Technical Breakout Sessions**RENEW****Dare to Have THAT Conversation****Elisha Malette**Certified Psychological Health and Safety Advisor
Health and Safety Specialist
Workplace Safety North

Addressing mental health issues in the workplace can be challenging. In this session, you will learn about the four-step approach to help you navigate difficult conversations, and build your skills and confidence to help support others. This presentation explores: the mental health continuum, the importance of trusting your instincts, how to navigate conversations about mental health, and how to provide effective support and resources.

PROTECT**Wastewater-testing for early detection of viral outbreaks and drug use in the mining industry****Paul Westlund**Founder
C.E.C. Analytics

With advancements in science and public health, the study of wastewater epidemiology can be applied within industry and is proven to be a critical component for early detection of outbreaks. C.E.C. Analytics helps vulnerable and remote communities across Canada, and is now assisting industry with proactive monitoring for COVID-19. In addition to tracking COVID-19, C.E.C. Analytics offers industry a specialized list of organic compounds that assist prevention strategies for reduction of illicit drug consumption which may reduce incidences in the workplace.

DISCOVER**Advanced Safety System for Advanced Battery Technology****André Barriault**

Product and Application Specialist - Electrification
Epiroc

The approach, methodology and implementation of safety systems on next generation battery electric vehicles for the underground environment are detailed in this presentation. Discussion topics include changes in cell chemistry with improved energy density and safety systems developed to mitigate the risks involved with higher performance. The presentation covers the multiple layers of safety built into and around the battery, starting with the individual cells, through the sub-assemblies of the modular design of the battery, to the overall rig control system. We will demonstrate that, although battery technology is advancing quickly, safety is keeping pace.

1:45-2:00 pm

Trade Show and Health Break

2:00-3:00 pm

DISCOVER**Industry Panel: Mining Moving Forward****Tim Bremner**

Senior Vice President
Foraco International

Peter Xavier

Vice President
Glencore, Sudbury Operations

Ted Hanley

Vice President, Ontario Mine Rescue
Workplace Safety North

An informal conversation with industry leaders about the future of mining



**Thank you for attending the
2021 Virtual Mining Health and Safety Conference!
See you next year.**