

Preliminary Technical Program

| WEDNESDAY, SEPTEMBER 23 | | | | | |
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| Main Room Hall C | Room A1 | Room A2 | Room A3 | Room A4 | Room A5 |
| <p>Welcome Remarks</p> <p>8:30 AM–8:45 AM: President of the International Section of the ISSA on Prevention in the Mining Industry (ISSA Mining) — Kevin Mooney, Saskatchewan Workers' Compensation Board</p> <p>8:45 AM–9:00 AM: President of ISSA — Mohammed Azman Aziz, Pertubuhan Keselamatan Sosial (PERKESO)</p> | | | | | |
| <p>Opening Keynotes</p> <p>9:00 AM–9:30 AM: "Leading Safety in an Era of Complexity" — Ken Seitz, Nutrien</p> <p>9:30 AM–10:30 AM: Keynote Presentations — Matthew Hallowell, Construction Safety Research Alliance (CSRA) & Mike Court, Graham</p> | | | | | |
| <p>Panel: Leadership, Culture, Technology, Innovation</p> <p>11:00 AM–12:30 PM: Joachim Loechte, RAG Aktiengesellschaft; Ewald Scheel, Progreso; Trevor Berg, Nutrien; Liam Mooney, Cameco Corporation</p> | <p>Panel: Contractor Safety</p> <p>11:00 AM–12:30 PM: June Verhelst, Graham; Dave Speerbrecker, Thyssen Mining; Sigrid Roth, ISSA Trade - International Cooperation for Safety, Health and Wellbeing; Steve Wrixon, Kinross</p> | <p>Session: Moments That Matter Track: People, Health & Culture</p> <p>11:00 AM–11:30 AM: VISION ZERO: Zero Starts with Leadership: Inspiring Safety Excellence — Karl-Heinz Noetel, BG BAU</p> <p>11:30 AM–12:00 PM: Make The Most With Your Moments — Teresa Walker, Teresa Walker</p> <p>12:00 PM–12:30 PM: Inches from 15 Tonnes: Union Roots, First Response, and the Leadership Discipline that Prevents Serious Harm — Jon Neumann, JT23 Impact Labs</p> | <p>Session: Smart Ground Control Track: Ground, Assets & Physical Risk</p> <p>11:00 AM–11:30 AM: Sidewall Ground Support Evolution at Nutrien Lanigan — Maggie Peterson, Nutrien</p> <p>11:30 AM–12:00 PM: High Performance Deep Learning GPR Feature Detector Model for Potash Mining — Raman Paranjape, University of Regina</p> <p>12:00 PM–12:30 PM: Enhancing Mine Safety Through Distributed Fibre Optic Sensing (DFOS): Opportunities for Proactive Geotechnical and Tailings Risk Management — Zara Anderson, Sinteia Ltd</p> | <p>Session: The Legal Line Track: Governance, Law & Systems</p> <p>11:00 AM–11:30 AM: What Do the Courts Say? A Brief Update on Supervisor Liability and Criminal Negligence in Canada — John Agioritis, MLT Aikins LLP</p> <p>11:30 AM–12:00 PM: Lived Experience from a Legal Practitioner: Navigating Due Diligence in the Mining Context — John Agioritis, MLT Aikins LLP</p> <p>12:00 PM–12:30 PM: Examining the effects of cannabis-based edibles on cognition and driving performance in young drivers — Crizzle Alexander, University of Saskatchewan</p> | <p>Session: Agent Advantage Track: Digital, AI & Automation</p> <p>11:00 AM–11:30 AM: Eliminating Worker Exposure in Railcar Loading Through Automation Technologies — Scott Blacklock, BHP</p> <p>11:30 AM–12:00 PM: Leveraging AI to Generate Procedures and Test Alignment in the Field — Michael Hartley, Interknowledge - Mining & Energy</p> <p>12:00 PM–12:30 PM: Better Data Safer Work: Developing an Occupational Exposure Database — Amin Yazdani, Canadian Institute for Safety, Wellness, and Performance (CISWP)</p> |
| <p>Panel: Sustainability & ESG – Current Challenges, Innovative Solutions and Future Outlook Panel</p> <p>2:00 PM–3:30 PM: Peter Goerke-Mallet, Technische Hochschule Georg Agricola University Post Mining Research Center; Kim Swansay, KPMG Canada; Ben Chalmers, Mining Association of Canada</p> | <p>Panel: Reproductive Health</p> <p>2:00 PM–3:30 PM: Andrea Crittenden, Sixteen Safety Services Inc.; Allison Smith, Saskatchewan Polytechnic, Women in Trades & Technology (WITT); Alex Morales, Universidad Católica de Chile</p> | <p>Session: Moments That Matter, part II Track: People, Health & Culture</p> <p>2:00 PM–2:30 PM: Beyond the Hot Wash: Psychological Health Before-During- & After a Potentially Traumatic Event — Jim Brayshaw, Sask Mental Health Inc.</p> <p>2:30 PM–3:00 PM: Managing Critical Work — Jordan Eves, Energy Safety Canada</p> <p>3:00 PM–3:30 PM: VISION ZERO: Developing ESG-Competences of Mining Executives by VISION ZERO: A Wake-up Call for University Education — Peter Goerke-Mallet, Technische Hochschule Georg Agricola University Post Mining Research Center</p> | <p>Session: High Tech, Low Risk Track: Ground, Assets & Physical Risk</p> <p>2:00 PM–2:30 PM: Rescue & Conveyance — Marc Desjardins, Highwork</p> <p>2:30 PM–3:00 PM: Eliminating Exposure Through Haul Road Stabilization: A Case Study from Curries Landing — Todd Burns, Cypher Environmental</p> <p>3:00 PM–3:30 PM: Risk-Reduction Approaches for Post-Blast Operational Re-Entry — Euler De Souza, AirFinders Inc.</p> | <p>Session: Safety in a Volatile World Track: Governance, Law & Systems</p> <p>2:00 PM–2:30 PM: VISION ZERO: Adapting Vision Zero to Emergency Situations: Lessons from Ukraine's Emergency Response — Olha Bohdanova, ISSA Section in Construction</p> <p>2:30 PM–3:00 PM: Assessment of the Environmental and Health Impacts of Mining in the Democratic Republic of Congo (DRC) — Janvier Gasana, GAPCI</p> <p>3:00 PM–3:30 PM: Global Supply Chains – Innovation is Key — Sigrid Roth, ISSA Trade - International Cooperation for Safety, Health and Wellbeing</p> | <p>Session: Agent Advantage, part II Track: Digital, AI & Automation</p> <p>2:00 PM–2:30 PM: Building the Foundation: A Practical Roadmap for AI-Assisted Workforce Transformation in Mining — Andrea Hine, Wendy Labs Inc.</p> <p>2:30 PM–3:00 PM: Are Conversation/Conversational IA Agents on Critical Controls in Mining Operations — Alex Cabrera, Previsis</p> <p>3:00 PM–3:30 PM: Climate Risk and Resilience Analysis in Post-Mining Operations: RAG's Approach to DNSH Criteria for Climate Adaptation — Olaf Drusche, RAG Aktiengesellschaft</p> |
| <p>Panel: Fall Protection</p> <p>4:00 PM–5:30 PM: Wayne Donnelly, Tuff Safety Solutions Canada Ltd.; Brad Frehlich, Axis Engineering Ltd.; Andre Pelland, Guardian Fall Protection; Justin Sousa, Gravisys Inc.</p> | <p>Panel: Psychological Health</p> <p>4:00 PM–5:30 PM: Koren Waines, Clarity Unfolding; Mario Causevic, MYNWELL; Teresa Johnson, Sleepwell Consulting</p> | <p>Session: SIF Prevention Track: People, Health & Culture</p> <p>4:00 PM–4:30 PM: VISION ZERO: Competence First: Qualification Requirements for the Safe Operation of Electrical Installations — Jens Juehling, International Social Security Association</p> <p>4:30 PM–5:00 PM: Serious Injury and Fatality Reporting - A Decade of Responsible Sharing — Brad Sigurdson, SAGA Mining & Nuclear</p> <p>5:00 PM–5:30 PM: Building a National Learning System for Fatality Prevention: Insights from a Cross-Sector Study of SIF Data Needs in Canadian Mining — Emily Tetzlaff, Wenco International Mining Systems</p> | <p>Session: Safe in the Wild Track: Ground, Assets & Physical Risk</p> <p>4:00 PM–4:30 PM: Wildfire Smoke Air Quality Monitoring — Ruo Xi Liu, Cameco</p> <p>4:30 PM–5:00 PM: Evolution of the Safety Image in Exploration — Aaron Brown, Cameco Corporation</p> <p>5:00 PM–5:30 PM: Mitigating Exposure to Occupational Health Hazards in Ontario's Natural Resources Sectors — Rod Cook, Workplace Safety and Insurance Board</p> | <p>Session: Better Every Day Track: Governance, Law & Systems</p> <p>4:00 PM–4:30 PM: Building a Safer Future in Mining: Expanded-Scope Occupational and Mental Health Training for On-Site Medical Staff & Paramedics — Joshua Bezaanson, International SOS Medical Services Canada ULC</p> <p>4:30 PM–5:00 PM: Better Has No Limit: Teck's Experience With Quality Improvement Plans — Joshua Tepper, Teck Resources Limited</p> <p>5:00 PM–5:30 PM: Ergonomics in the Geological Workflow – Is the Mining Industry Lagging Behind? — Eric Dumais, CoreLift</p> | <p>Session: Digital Distance Track: Digital, AI & Automation</p> <p>4:00 PM–4:30 PM: The Role of Autonomous Inspection Robots in Mining Safety — Andea Orduna, Microwatt</p> <p>4:30 PM–5:00 PM: Tele-Operated LHDs as a Safety Control: Lessons Learned from a Deep Underground Gold Mine — Tony Lumbwe, Hexagon Mining</p> <p>5:00 PM–5:30 PM: Workplace Hazardous Substance Exposures and Controls Using Digitalization and AI — Gabriel Tekpetey, DQS Global South Africa</p> |

THURSDAY, SEPTEMBER 24

Keynotes

8:45 AM–9:00 AM: Welcome Remarks
9:00 AM–9:45 AM: Keynote Presentation —
David Provan, Forge Works

9:45 AM–10:30 AM: "Improving Safety Outcomes"
— **John Rhind**, RML & CIM President 2026-2027

Fireside Chat: Emerging Risk in North America

11:00 AM–12:00 PM:
Wayne D. Palmer, Mine Safety and Health
Administration;
Rich Nolan, National Mining Association;
Karen Swager, The Mosaic Company;
Scott Sturm, Westmoreland Mining

Panel: Safety Culture

11:00 AM–12:30 PM:
Gordon Winkel, University of Alberta;
Thomas Hethmon, Hethmon Associates LLC;
Thomas O'Neill, University of Calgary

Session: Staying Alert
Track: People, Health & Culture

11:00 AM–11:30 AM: Sleep & State of Mind: The
Science, Safety Risks and Strategies — Teresa
Johnson, Sleepwell Consulting

11:30 AM–12:00 PM: Dead Tired: Beyond Eye-
Tracking — Mike Harnett, Solaris Fatigue
Management

12:00 PM–12:30 PM: SIF in the Routine — Dan
Jelinski, Nutrien

Session: Culture in Action
Track: People, Health & Culture

11:00 AM–11:30 AM: **VISION ZERO**: New Vision
Zero Guide - Positive Leadership — Key to VISION
ZERO: Turning a Prevention Culture into Daily
Leadership Behaviors — Frank Neesemann,
Positivity Guides

11:30 AM–12:00 PM: Improving Safety
Performance One Act At A Time — Kevin Berry,
No Drama Safety

12:00 PM–12:30 PM: Leading for Innovation:
Building Psychological Safety in Mining Teams —
Samin Saadat, Jalapeno Employee Engagement

Session: Safety is Shared
Track: Governance, Law & Systems

11:00 AM–11:30 AM: Safety at Work: the Roles of
Management and of Government — Mark
Fuellemann, Practice & Experience Fuelelmann

11:30 AM–12:00 PM: Process Safety in non-
process industries: Amusement Parks and Mining
— Janelle Adrain, Process Safety Essentials

12:00 PM–12:30 PM: Rethinking Industrial Fire
Brigade Training - Bridging the Gap Between NFPA
1081 and Real-World Industrial Risk — Reagan
Coppicus, Quint Services LTD

Session: Learning Machines
Track: Digital, AI & Automation

11:00 AM–11:30 AM: Interpretable Machine
Learning for Quantifying the Impact of Public
Health Events on Ore Production at Mine Sites —
Chengkail Fan, Laval University

11:30 AM–12:00 PM: Implications of Artificial
Intelligence for Structural Health Monitoring in
Potash Mines Using Acoustic Impacts —
Mohammad Islam Miah, University of
Saskatchewan

12:00 PM–12:30 PM: Unlocking Hidden Safety
Intelligence: AI-Driven Predictive Analytics for
Mining's Major Hazard Prevention — Gus Carroll,
Empirisys

Panel: Exploration Safety

2:00 PM–3:30 PM:
Conrad Dix, Agnico Eagle Mines Limited;
Mike Derbawka, DIAS;
Robert Fleming, Team Drilling Limited Partnership

Session: Staying Alert, part II
Track: People, Health & Culture

2:00 PM–2:30 PM: **VISION ZERO**: From Second
Victims to System Resilience: Addressing
Psychological Harm in High-Risk Industries —
Miriam Stuckert, International Section on
Prevention of Occupational Risks in Health
Services c/o BG Gesundheitsdienst und
Wohlfahrtspflege

2:30 PM–3:00 PM: Between Sunset and Sunrise:
Measuring Fatigue in the 24/7 Operation Using
Neurotechnology — Emily Tetzlaff, Wenco
International Mining Systems

3:00 PM–3:30 PM: Evaluating Pulsed Blue Light to
Support Alertness and Fatigue Management in Fly-
In/Fly-Out Mining Operations — Marc Hebert,
Cervo Brain Research Centre, Laval University

Session: Safe Minds, Safe Work
Track: People, Health & Culture

2:00 PM–2:30 PM: Healthy and Safe Workplaces:
Mental Health, Civility and Respect in Action —
Sonya Tonkovich, Canadian Centre for
Occupational Health and Safety

2:30 PM–3:00 PM: **VISION ZERO** in Peruvian
Mines — Belisario Perez, Minsur S.A.

3:00 PM–3:30 PM: Mental Health in the Mining
industry in Chile — Alex Morales, Universidad
Católica de Chile

Session: Beyond the Checklist
Track: Governance, Law & Systems

2:00 PM–2:30 PM: Enforcement, Compliance, and
Culture: Evolving the Role of a Regulator Beyond
Inspections — Patty Ogilvie-Evans, Government of
Saskatchewan

2:30 PM–3:00 PM: Auditing Differently — Andy
Reimer, Energy Safety Canada

3:00 PM–3:30 PM: **VISION ZERO**: The Zero Harm
Mindset: Preventing Defeating of Safety Devices:
Leadership and Corporate Culture as Key
Influencing Factors — Andrea Weimar, ISSA
Section Machine and System Safety

Session: Digital to the Core
Track: Digital, AI & Automation

2:00 PM–2:30 PM: Immersive Virtual Reality
Training to Enhance Safety and Inclusion in Quarry
Operations — Antonella Pireddu, Inail Italian
National Institute for Insurance Against Accidents
at Work - Technological Innovations and Safety of
Plants, Products and Anthropic Settlements
Department (DIT)

2:30 PM–3:00 PM: Safety Framework to Safe
Actions: Transition from Legacy Silos to Platform
Unity — Taylor Thiessen, Hudbay Minerals Inc.

3:00 PM–3:30 PM: Leading Digital Transformation
for Safer Mines: A Portfolio Governance Approach
applied to an Underground Gold Mine — Marine
Echternach-Jaubert, Federation des Francophones
de Saskatoon

Panel: Regulators

4:00 PM–5:30 PM:
Cary Ingram, NT & NU Workers Safety and
Compensation Commission;
Dave Rezansoff, Labour Relations and Workplace
Safety

Session: Right Air. Right Now.
Track: Ground, Assets & Physical Risk

4:00 PM–4:30 PM: Real-Time Air Monitoring –
Demand-Driven Ventilation — Brennan Kuny, ABC
Canada Technology Group

4:30 PM–5:00 PM: Ventilation System Optimization
and Radiological Safety in Support of Uranium
Mine Development Planning — Mhula Kitindi,
Cameco

5:00 PM–5:30 PM: Techniques Employed and
Lessons Learned for Dust Management at BHP
Jansen — Cameron Navalajanic, Hatch

Session: Safe Minds, Safe Work, part II
Track: People, Health & Culture

4:00 PM–4:30 PM: The Mining Athlete – Physical &
Mental Readiness — Mario Causevic, MYNWELL

4:30 PM–5:00 PM: "Mentally Fit for Duty: Tackling
Mental Health Challenges in Mining" — Koren
Waines, Clarity Unfolding

5:00 PM–5:30 PM: SaskPower Journey on SIF
Reduction — Nidal Dabghi, SaskPower

Session: Beyond the Checklist, part II
Track: Governance, Law & Systems

4:00 PM–4:30 PM: Integration of HSE Programs at
Capital Projects - A Contractor's Perspective —
Steve Wrixon, Kinross

4:30 PM–5:00 PM: Whole Systems Safety —
Thomas Hethmon, Hethmon Associates LLC

**AI4Safe Mines Student Competition
Presentations**

3:45 PM–5:30 PM:
Four teams will present their projects, followed by
the judges announcing the winning team.