

▶ ABOUT NMIF

The forum will examine and discuss real time detection, real time monitoring and decision-making across the Life of Mine continuum from exploration to environment. Come and hear the latest, state of the art approaches to real time detection, monitoring and analysis. Discover the best practices from case studies used in and outside of the mining industry. Learn how this information is used to make timely decisions that directly affect mining operation efficiency and shareholder value through a panel discussion by industry leaders.

▶ ABOUT CMIC

Canada Mining Innovation Council (CMIC) is a federally incorporated non-profit organization comprised of a unique partnership between industry, academia and government. We were created to enhance the competitiveness and sustainability of the Canadian mining industry by ensuring excellence in research, innovation and commercialization.

▶ PLEASE VISIT
CMIC-CCIM.ORG

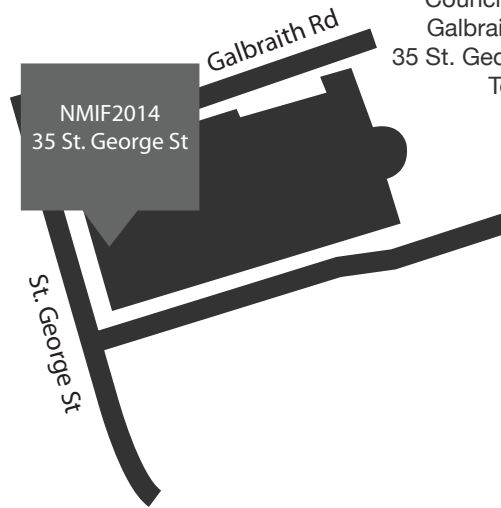


#NMIF2014

▶ VENUE

University of Toronto

Lassonde Institute of Mining
Room 202
(Michael E. Charles Faculty
Council Chamber)
Galbraith Building
35 St. George Street,
Toronto, ON



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NATIONAL
MINING
INNOVATION
FORUM

30
OCTOBER

▶ AGENDA

| DETECTION AND MONITORING | | SPEAKERS | |
|--|--|---|--|
| 08:00 - 08:05 | Welcome and Opening Remarks | Carl Weatherell | CMIC |
| 08:05 - 08:10 | Introduction of Keynote Speaker | Meric Gertler | President, University of Toronto |
| 08:10 - 08:30 | Keynote: | Pierre Lassonde | Chairman, Franco-Nevada Corp. |
| DETECTION SYSTEMS/PLATFORMS | | | |
| 8:30 - 8:50 | Platforms Supporting Real-Time Decision Making in Deep Exploration | Pim Van Geffen | Senior Consultant at REFLEX Geochemistry |
| 8:50 - 9:10 | The Design of an Interactive Exploration Laboratory | Bob Linnen | Robert Hodder Chair in Economic Geology at Western University |
| 9:10 - 9:30 | Real time geometallurgy: From exploration to remediation | Paul Sylvester | Pevehouse Chair of Geosciences, Texas Tech University |
| 9:30 - 9:50 | Real-Time Technology Insertion | Andy Reynolds | General Manager of the National Research Council's Energy, Mining and Environment portfolio |
| 9:50 - 11:00 | HEALTH BREAK AND INTERACTIVE SESSION | | |
| MONITORING IN REAL TIME | | | |
| 11:00 - 11:20 | Why Detect in Real-Time When You Can Predict Ahead of Time? | Steven Slupsky | President and CEO of Scanimetrix |
| 11:20 - 11:40 | The Field Ready Electrochemical Detector; Using Synthetic Biology to Design Contaminant Sensors | David Lloyd | Cofounder and Co-chief Executive Officer for Fred Sense |
| 11:40 - 12:00 | Robotics and real time environmental monitoring | Gord Osinski | Assistant Professor & NSERC/MDA/CSA Industrial Research Chair in Planetary Geology, Western University |
| 12:00 - 1:30 | LUNCH | | |
| 1:30 - 1:50 | Keynote: | Jim Gowans | Barrick Gold Corp. |
| DATA TO DECISION MAKING (CASE STUDIES) | | | |
| 1:50 - 2:20 | A Case Study on the Application of Real-Time Monitoring Technologies at the Chelopech Underground Mine in Bulgaria | Rick Howes | President and Chief Executive Officer, Dundee Precious Metals |
| 2:20 - 2:40 | Shovel Based Value Telemetry for Decision Support | Dr. Andrew Bamber | Founder & CEO, MineSense Technologies Ltd. |
| 2:40 - 3:10 | The Value of Big Data for the Mining Industry | Dirk Claessens | General Manager – Industrial Products, IBM Corporation |
| 3:10 - 3:30 | HEALTH BREAK AND INTERACTIVE SESSION | | |
| 3:30 - 5:00 | PANEL DISCUSSION: Where Are We, Where Do We Need to Go, How Do We Get There? | | |
| Panelists: | Rick Howes, Andrew Bamber, Dirk Claessens | Moderator: | Nathan Stubina - Managing Director, McEwen Mining |
| 5:00 | CLOSING REMARKS | Brent Sleep, Carl Weatherell | |
| 5:15 | RECEPTION | Lassonde Mining Building, 170 College St, Toronto, ON | |