

Canadian Institute of Mining, Institut canadien des mines, de la métallurgie et du pétrole



Mid-Year Report

January to June 2024



We acknowledge that the CIM National office is located on unceded Indigenous lands. We respect the continued connections with the past, present and future in our ongoing relationships with Indigenous peoples within our community.

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Front cover image: Angela Hamlyn, Chantal Murphy, John Davidson, Maurice Tagami, Julia Gartley

Who We Are

CIM at a Glance Community 12 30 11 **Branches** Societies Committees **Achievements** 19+ 500+ 57 126 10,000+ \$200,000+ **CIM Awards** Volunteers Countries Years **Event Attendees** Awards Represented & Scholarships 18,000+ 500+ 10.000+ 170 50.000+ 27.000 Individual Maaazine Recorded Corporate Social Media Newsletter Readership **Presentations** Members Members and **Followers** Subscribers Webinars & **Industry Partners Short Courses Curated Knowledge** Internationally Recognized Standards, Peer-reviewed Technical Papers **Guidelines & Best Practices** & Award-winning CIM Magazine

CIM is Canada's leading technical institute dedicated to helping our industry advance by providing our members pathways to continued advancement. Members enjoy access to year-round networking and learning opportunities through CIM local and national events, our technical publications libraries, journal and magazine, webinars, societies and job board.

We have the resources our members need to meet the challenges and expectations they face across our industry.

Introducing the mineral maple leaf

CIM has a fresh, new look that blends history and a vision for the future. After more than 126 years, CIM is as vital and relevant as ever. Our new look is vibrant and modern. It embodies our rich history and a clear vision for a future of increased collaboration, membership and engagement.



This mid-year report highlights the impact that CIM has had on its community from January to June 2024.

Community is at the heart of CIM. Together, our members make an important difference to our industry's future. New and returning CIM industry partners and corporate members

Industry Partners

B2Gold

Centerra Gold

Deloitte

DRA Americas

Dundee Precious Metals

Eldorado Equinox Gold Evolution Mining

Fluor

Franco-Nevada Hecla Mining IAMGOLD Imperial Kinross

MineSense Technologies Ltd.

New Gold Inc.
OceanaGold

Pan American Silver

PricewaterhouseCoopes LLP

Rio Tinto Taseko Mines

Teck Resources Limited Wheaton Precious Metals

Corporate Members

48e Nord International

Aecon

Agnico Eagle

AGP Mining Consultants Inc.

Analyze and Improve

AtkinsRealis

Atlantic Industries Limited

Ausenco
Axis Insurance
Bank of Montreal
Bauer Foundations

Baymag

Benshaw Canada BGC Engineeing Inc. Big Country Equipment Ltd.

Bradken

Brandt Tractor Ltd.

Bridon-Bekaert The Ropes Group

Byrnecut Canada

Canada Tank Solutions Inc. Cementation Canada Inc.

CEMI-Centre for Excellence in Mining Innovation

Centamin
Char-Pol Inc.

City of Temiskaming

Consult DSS DuPont Sustainable Solutions

COREM CR Mining

DCM Integrated Solutions Inc.

Derrick Corporation DMC Mining Services

Dowa Metals & Mining Co Ltd.

Doyen

DuBois Chemicals Canada

Dyno Nobel Inc. E3 Lithium ENS Industrial

Enviro-ex Contracting Ltd.

EPC Canada Excavation DG FFP Systems Inc

Fountain Tire Mine Service Ltd.

Fournier Industries Inc. Frontier Lithium Inc. G Mining Services Galiano Gold Inc.

Geobrugg North America, LLC

GLJ Ltd.

GMS Repair and Maintenance

Graymont H2Flow Hatch

Haver & Boecker Canada

Hevvy/Toyo Pumps North America

HighGold Mining
HydroTech Mining

Industrial Equipment Manufacturing Ltd.

J. Lanfranco Fastener Systems Inc.

JWM Consulting (Procon)

K2 Maintenance

Kalenborn Canada Inc.

Keller Foundations Ltd.

Keltic Geomatics Ltd. Klohn Crippen Berger Ltd.

KPI Digital

KTH Management Kubes Steel Inc.

Lakeside Process Controls Limpact International Ltd.

LJL Mecanique

Maestro Digital Mine

Mag Silver Mantoria Inc.

Master Builders Solutions Canada Inc

McCue Engineering Contractors

McElhanney Ltd

McLanahan Corporation

Mécanicad

Metalogenia, S.A. Metso Outotec

Mincon

Mine Cable Services Corporation

Mine Site Technologies (Canada) Ltd.

Mine Supply

Minerai de Fer Québec

Mining Plus Minova Molycop

National Bank Financial NETZSCH Canada Inc.

Nord-Lock

North Fringe Industrial Technologies Inc.

Nutrien

Orezone Gold Corp

PACE.global

PacificOra Industrial Systems Ltd

Peter Lucas

Petro-Canada Lubricants

Praetorian Construction Management Ltd.

Progesys Inc.

Progrus Construction

Progrus Constructors Inc.

PROVIX Inc.

Rally Drilling Services Inc.

Raven Supply RockEng Inc.

Rockhound Limited

Rosta Inc.

Roytec Global (Pty) Ltd Rulmeca Canada Limited Sandstorm Gold Royalties Scantech International PTY Ltd

Science North

Sedgman Canada

SGS

Sienna Networks Limited Sigfusson Northern Ltd. Sino Grinding (Americas) Inc.

Skeena

SMS Equipment SNF Canada Sofvie Inc. SRK Consulting

Standard Machine - Power Systems by Timken

Suncast Polytech Inc.
Technica Mining

Tega Industries Canada Tema Isenmann, Inc.

Thyssen Mining Construction of Canada Ltd.

Tusk Automation
Ultra Seat Corporation

Unicast Inc.

Valory Resurces Inc.

Veolia Water Technologies Canada Inc. Victaulic Company of Canada Ltd. Villeneuve Engineering Services

Weir Motion Metrics

White Cap Wood

THANK YOU!

Your support helps us provide high quality professional development resources.

Find out how you can benefit by becoming a CIM industry partner or corporate member.



Do More

CIM national, branch and society events bring you invaluable insights from the industry's leading experts. Our conferences, webinars and presentations have delivered over 400 hours of learning, networking and collaboration opportunities on the industry's most pressing issues.



CIM CONNECT 2024 - Brand Canada: Our Critical Advantage Vancouver, BC - May 12-15, 2024

With over 200 technical presentations on the latest research and insights from industry experts and an array of social and networking events, there was truly something for everyone at CIM CONNECT, CIM's annual convention and expo.

Convention Sponsor **Teck**



Attendance 7.000+

A record short courses

2,200+ tradeshow visitors

590+ exhibitors

Organizing Committee



Honorary Chair Jonathan Price, **Teck Resources Limited**



Convention Chair John Davidson. **FLSmidth**



CIM Past President Michael Cinnamond,



Technical Stream Chairs

Theresa Nyabeze, Vale • Andy Randall, SGDS Hive • Kamran Esmaeili, University of Toronto • Doug Milne, University of Saskatchewan • Glenn Lyle, MIRARCO • Nelson Bodnarchuk, Torex Gold • Lee Weitzel, BESTECH • Ali Madiseh, University of British Columbia • Agus Sasmito, McGill University • George Darling, RMS • Doina Priscu, Priscu & Associates Consulting Engineers Inc. • Mary-Carmen Vera, ALS Global • Daniel Brosig, BBA • Brad Strueby, Beryl Mining Services • Irma Gabric, Chrysos Corporation • David Anonychuk, SGS

"The thing I like the most about CIM CONNECT is it brings together this very diverse group of people. There are people that come from operations or people from the executive level, from mining, technology and supply that all come together in one place."

– Shelby Yee, RockMass Technologies

Proud Sponsors











56th Annual Canadian Mineral Processors Conference

Ottawa, ON - January 23-25, 2024

The Canadian Mineral Processors (CMP) is a technical society of CIM. All CIM members with an interest in any aspect of mineral processing are welcome to join. The CMP annual conference features presentations on various aspects of mineral processing, including comminution, flotation, gold and iron ore processing, mineralogy, mill optimization, and process control.

Organizing Committee

Secretary Rory Cameron, NRCAN
Treasurer Wesley Griffith, Retired
Student Coordinator Dave Hardy
A/V coordinator Bryan Tisch, NRCAN
Registrar Jean-Michel Bondy, NRCAN

CMP Executive

Chair Kim Nguyen, Winsome Resources **Past-Chair** Irma Gabric Burk, Chrysos Corporation

1st Vice-Chair Cassandra Spence, Teck Resources Limited

2nd Vice-Chair Adam Hesse, Terra Nova Technologies

Secretary Rory Cameron, NRCan/CanmetMINING Treasurer Wesley Griffith, NRCan/CanmetMINING













Empowering Future Industry Leaders

CIM is dedicated to helping students and recent graduates find their place within the industry through a variety of initiatives. Our mentorship program pairs participants with experienced professionals, providing invaluable guidance and insight. The student poster competition at CIM CONNECT offers a unique platform for students to showcase their ideas to leading companies in the industry. Networking opportunities and specialized student programming are available at local CIM branches and CIM student branches within post-secondary institutions.

CIM Mentorship Program

- 120+ active participants
- Discussions on presentation skills, career paths and more
- Online using the MentorCity platform

CIM CONNECT speed mentorship event



100 participants. Engaging conversations with mentors from various companies, roles, and disciplines.

Student & Young Leader Pavillion



Congratulations, Mariya Shintassova on winning the Apple AirPod Pros in the new CIM CONNECT student passport contest.

Congratulations to our CIM CONNECT student poster competition winners!



From left - CIM Past President Michael
Cinnamond; Rock Engineering Society Chair
Kamran Esmaeili, University of Toronto; Rock
Engineering Society Award - Saleh
Ghadenejad, University of Toronto; 1st place Emily Tetzlaff, University of Ottawa; 2nd place
- Hamidreza Ermagan, McGill University (not
pictured); 3rd place and Carma Rock
Mechanics Award - Mojgan Faramarzi,
University of Toronto; Masaki Miyoshi, Teck
Resources Limited; Glenn Sakaki, Hatch



MineralsEd Career Fair – Offering students in grades 10 to 12 a unique opportunity to engage with top mining companies and discover the diverse range of careers within the industry.



Be More

CIM raises awareness about the pivotal role played by the mining, minerals and metallurgical industry in society through programs and opportunities that help its members become more skilled, connected and involved in finding solutions.

CIM is extremely proud of its tradition of celebrating excellence within the mining, minerals and metals industry. CIM awards honour the industry's finest for their outstanding contributions.

Their achievements and dedication are what make Canada's global minerals and metals industry stand out.

CIM Distinguished Lecturers

James Finch, Caius Priscu, Reno

Pressacco, Douglas Milne, Bill Roscoe

CIM District Distinguished Service Award

Robert Gibson, Stephen Hardcastle, Maggie MacKay

CIM Fellowship

Agus Sasmito, Alex Davidson, Berge Simonian, Robert Piccolo, Christian West, Manochehr Oliazadeh

CIM Rock Mechanics Veronique Falmagne

Mel W. Bartley Outstanding Branch Award

Northern Gateway Branch

Robert Elver Mineral Economics Award

Fred Pletcher



Robert Elver Mineral Economics Award (50th anniversary) Robert Bruce Elver

A.O Dufresne Exploration Achievement Award John Cameron Rowntree

Barlow Medal for Best Geological Paper

George Simandl, Suzanne Paradis, Laura Simandl

Julian Boldy Geological Society Service Award Jim Walker

Diversity & Inclusion Award Samantha Espley

CIM Indigenous Partnership Award Cowessess First Nation, Morris Interactive

CIM Distinguished Service Medal Garth Kirkham

Selwyn Blaylock Canadian Mining Excellence Award

Len Murray

Canadian Young Mining Leaders Award

Josephine Morgenroth, Jean-Simon Beaudry, Keira Sawatzky, Alexandra Foty

Mining Engineering Outstanding Achievement Award Jim Grav

Mining Safety Leadership Medal Roy Slack

Excellence in Sustainable Development Award Karen Chovan

Vale Medal

Tony Warner

TSM Awards

Community Engagement
Eldorado Gold – Lamaque – Planning for
Social Closure

Environmental Excellence Rio Tinto – IOC – Abandoned Site Rehabilitation

Agnico Eagle Mines Ltd. – LaRonde – Filtered Tailings Management

John T. Ryan Safety Trophies

Mine Safety Technology - Nutrien Lanigan Potash

National Coal - Teck Coal Limited, Elkview Operations

National Metal - Agnico Eagle Mines Ltd., Mine Goldex

National Metal - Firefly Metals Canada Ltd., Ming Mine (formerly Rambler)

National Metal - Sudbury INO, a Glencore Company, Fraser Mine

National Select - Calibre Mining Corporation, Valentine Gold Mine

National Select - Mikisew North American Limited Partnership, Aurora Mine Site, Alberta

National Select - Mosaic Potash, Belle Plaine

Regional Metal BC Yukon - New Gold New Afton Mine

Regional Metal Ontario - Sudbury INO, a Glencore Company, Nickel Rim South Mine

Regional Metal Prairie - Agnico Eagle Meliadine mine

Regional Metal Quebec Atlantic -Glencore, Raglan Mine

Regional Select East - Agnico Eagle Mines Ltd. Mine Canadian Malartic

Regional Select West - Imperial, Kearl Mine



Know More

CIM collaborates with industry experts to provide members with high quality webinars, presentations and learning resources that will help them elevate their expertise.

CIM Knowledge Exchange webinars are live, online presentations offered each month on topics that are important to the industry.

Two new webinars

188 participants • 326 total training hours



Automation and Accommodating
Persons with Disabilities – Leslie
Woolcott, Mining Industry Human
Resources Council (MiHR); Ingrid
Muschta, Ontario Disability Employment
Network



Federal Support for SME Innovation in Mining – Jonathan Martin, National Research Council of Canada; Peter Howell, National Research Council of Canada

New CIM Short Course

Mining 101 – An Introduction to Mining – George McIsaac, Geology & Mining Evaluation Consulting • 8 total training hours.



Popular CIM Academy webinars

Designed to accommodate your professional learning needs, CIM Academy webinars, podcasts, short courses and presentations are available on-demand, 24/7.

- Fostering Cooperation and Efficiency
 Through Implicit Geology Modelling A Collaborative Approach
 - Garrett Kramer, Paul Abongwa

- An Introduction to Mixing in the Minerals Processing Industry
 - Imran Shah
- Identification and Evaluation of <u>Preconcentration Applications for</u> <u>Sensor-Based Sorting and Dense</u> <u>Medium Separation</u>
 - Zachary Lang
- SIF Prevention II
 - Michael Hajaistron, Don Martin, Kelly Queiroz, Michael Duffy



We've added 20 new professional development courses since January.

Contribute to our learning community by sharing your expertise with others.



How to contribute

"While I find everything valuable, the short courses offered are the most beneficial. Face-to-face interaction is crucial for learning and discussion."

- Asli Sari, Queen's University

Editorial with impact

CIM Magazine



2024 National Magazine Awards B2B Silver for Best Feature

Two industries at a Crossroads: The formalization of artisanal and small-scale mining may be necessary to help meet global demand for critical minerals

2023 National Magazine Awards B2B Silver for Best Profile of a Company

Midlife make-over: Compass Minerals prepares the Goderich underground salt mine for the next century of mining



2023 Trade, Association and Business Publications International Gold award for climate journalism for our "Net Zero" series.



CIM Journal

Read the 2024 winning paper of the Barlow Medal for Best Geological Paper, "Future of photovoltaic materials with emphasis on resource availability, economic geology, criticality, and market size/growth" by George Simandl, University of Victoria; Suzanne Paradis, Geological Survey of Canada; and Laura Simandl, RDH Building Science Inc





Impact: Societies & Committees

CIM's 11 societies and 12 committees bring together professionals from diverse disciplines and career stages. Their collaborative efforts shape leading practices in the minerals, metals, and energy industries by developing standards, guidelines, workshops, webinars, and conference presentations.

CIM's Management & Economics Society (MES) celebrates 50 years

Robert Bruce Elver, a mineral economist, spearheaded the creation of the Mineral Economics Committee and its mandate to examine the impacts of global events on Canada's mineral resources.

Approved by CIM Council on July 12, 1974, the committee eventually evolved into today's Management & Economics Society (MES), which has expanded its scope to encompass all aspects of mining management.

Through the last 50 years, MES members have supported education and professional development in mineral economics. They have hosted symposia and presented events, like the Management and Finance Day at CIM conventions. The society has also played a crucial role in establishing industry standards, including the CIM Definition Standards on Mineral Resources and Mineral Reserves. To commemorate its 50th anniversary, MES named Robert Elver as an honorary recipient of the CIM Robert Elver Award in Mineral Economics, recognizing his foresight in establishing a platform for critical discussions on mineral economics issues that remain relevant today.





The CIM Diversity and Inclusion Advisory Committee creates webinars, guidelines, best practices, business cases for diversity in the mining industry, and other resources to encourage diversity and inclusion within CIM and the mining industry at large.

Watch the latest webinars



- TSM Equitable, Diverse and Inclusive Workplace Webinar Series Sessions 1-5
- Pride Webinar: Shared Experiences and Allyship
- How can we attract Indigenous Youth to Engineering?
- Newcomer Integration into the Mining Sector



The CIM Health & Safety Society has spent the last several months preparing its first annual conference. From October 6 to 8, industry professionals, experts and stakeholders will meet in Toronto to share insights and explore innovative solutions on enhancing health and safety standards in mining operations across Canada.

Organizing Committee

Honorary Chair Mark Cutifani, Vale Base Metals

Conference Co-chairs Samantha Espley, Stantec; Glenn Lyle, MIRARCO

Technical Program Committee Benn Armstrong; John Doyle, SolutionStream;

Marc Gasparotto; Glenn Lyle, MIRARCO; Samin Saadat; Jon Treen, Automate

Mining

Sponsorship Committee Samin Saadat; Bryan Wilson, WSP Student Program Committee Zara Anderson, Silixa; Daryl McIntyre; Roy Slack, Cementation; Jon Treen, Automate Mining; Gordon Winkel, University of Alberta Social Program Committee Samin Saadat; Kevin Watson







The Mineral Resource and Mineral Reserves (MRMR) Committee develops and defines the standards, best practices and guidelines that support standardization of reporting, specifically under NI 43-101.

Over the past six months, MRMR has made significant progress on the following projects:

- CIM Uranium Leading Practice Guidelines
- CIM Coal Exploration Guidelines
- CIM Lithium Brines Leading Practice Guidelines
- CIM Diamond Exploration Guidelines

Other guidelines underway:

 CIM Cost Estimation Guidelines for Mineral Projects

Upcoming French translations:

- CIM Environmental, Social and Governance Guidelines
- CIM Industrial Minerals Leading Practice Guidelines

CIM, in collaboration with CRIRSCO, is excited to be hosting the 2024 CRIRSCO Annual General Meeting, followed by the Mineral Resource and Mineral Reserve Conference at the Hyatt Regency, Vancouver.

- October 13-16, 2024
 CRIRSCO AGM
- October 15, 2024
 Open sessions for non-CRIRSCO members
- October 16-18, 2024
 MRMR Conference

MRMR Committee

Lisa Fenlon, Vale; Sally Gillies, Ausenco; Marie-Christine Gosselin, SLR Consulting; Colleen MacDougall, SRK Consulting; Lucy Potter, Rio Tinto; Jeremy Vincent, Wheaton Precious Metals



The Environmental and Social Responsibility Society (ESRS) provides leadership and professional development opportunities related to social and environmental responsibility and performance within the Canadian mining industry.

ESRS is accepting webinar abstract submissions for the Fall 2024 presentation line-up. Reach out for more information:

- Tailings and Waste Management Karen Chovan
- Water Management <u>Michael Dabiri</u>
- Environmental Management Gabriel Castillo
- ESG Guidelines and Social Jenifer Hill



CIM everywhere

CIM liaises with others, including academia, industry organizations and non-profits on key initiatives. Together, we support dialogue on innovations, sustainable practices and community partnerships.

CIM visited Rio Tinto's operations in Saguenay and Sorel-Tracy, Québec to demonstrate how they can maximize the corporate member benefits available to them.





AME Roundup Jan 22-25, Vancouver



Canadian Mining Games Mar 7-9, Sudbury



PDAC Mar 3-6, Toronto



SME Feb 25-28, Phoenix

Social Media Snapshot





Content in 2024

Followers

New followers

Largest percentage of new

followers are primarily 18-35

demographic for CIM (19%)

year old women, a new

14k

460

497

7,522

Taps back

384 from 113

Taps forward

5,326 from 2,196

profile reach and

The addition of Instagram

stories during events has

generated views, boosted

generated more followers.

1.6M **Post impressions**

249k impressions while onsite at **CIM CONNECT**



Increased impressions correspond to people and companies tagged



CIM Awards

59k **Views**

1.3k Likes

200 Comments

35 **New Followers** 43 Reposts

11,025 Views in the entirety of the CIMTL23 campaign

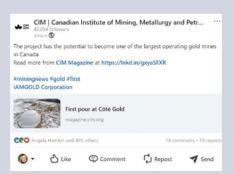


84k Links clicked

CIM Magazine articles are some of our highest performing posts.

 #miningnews has been driving users to our stories, bumping us ahead of SME and PDAC in 2024 for industry content

Multiple articles with 10k+ views



First Pour at Côté Gold had 45k views and 500 reactions

44% increase across social platforms in 2024

Social Platform	Engagement Rate Increase in 2024
LinkedIn	85%
Facebook	24%
Instagram	52%
X (Twitter)	14%

Follow us on social











