

Maintenance Engineering / Mine Operators' Conference

MEMO 2011

Colloque sur l'ingénierie de maintenance
et l'exploitation minière

CONFERENCE AND TRADE SHOW | November 6 to 9, 2011 | Saskatoon, Saskatchewan

Welcome to Saskatoon!

On behalf of CIM's Saskatoon Branch, Metal Mining Society, and Maintenance and Engineering Society, I welcome you to this year's Maintenance Engineering/Mine Operators' Conference (MEMO) at the TCU Place in Saskatoon, Saskatchewan, from November 6 to 9.

This year's conference theme – Back to Basics – highlights the lessons learned from weathering the recurring boom and bust cycles, and how we can use this knowledge to build a sustainable future and a solid foundation for technological, economic and social innovation.

The technical presentations will include a mix of local, national and international best practices. A "must-see" will be the ever popular trade show where a large number of outdoor equipment will be on display.

Saskatchewan's mining history dates back to the homesteader's era of the mid-19th century. Today, the province contributes to almost two-thirds of the world's recoverable potash reserves, is the largest exporter of uranium, and is home to the head offices of the largest potash and uranium producers – PotashCorp and Cameco.

Saskatoon's central location makes it a gateway for the mining industry in central and northern Saskatchewan, where employees can travel by air to the northern mines and supply/service companies can easily transport goods through an excellent road system. The city's proximity to the University of Saskatchewan gives mining companies another advantage: the ability to collaborate in research efforts and contract the Structural Sciences Laboratory to gain a better understanding of how we can improve mining processes.

These are just a few of the reasons why Saskatoon was an obvious choice for a host city. Mark your calendar with MEMO 2011. We look forward to seeing you here!

Doug Kramble
Conference chair

Organizing Committee

Conference Chair
Doug Kramble

Technical Program
Lucien Nel

Trade Show
Fraser Markham
Martin Bell

Field Trip
Robert Carey

M4S
Pam Schwann
Jodi Ledding
Sean Junor
Kate Grapes
Lucie Vincent

Sponsorship
Les Yesnik

Administrator
Tara Stratton

Meeting Coordinator
Chantal Murphy

CIM Liaisons
Lise Bujold
Jean-Marc Demers

www.cim.org/memo2011

Technical Program

The latest technologies, updates on current operations and strategies to increase your company's bottom line will be featured in this year's technical program.

Go to www.cim.org/memo2011 to view the complete program.

	STREAM	AM1 9:00-10:30	AM2 11:00-12:30	PM1 14:00-15:00	PM2 15:30-17:00
MONDAY, NOVEMBER 7	Maintenance & Reliability	Plenary Session	Performance	Optimization	Asset Management
	Mining & Milling		Mine Expansion	Processing	Process Improvements
	Economics & Resources		Cost Effectiveness	Financing & Operating Costs	Cost/Risk Analysis
TUESDAY, NOVEMBER 8	Maintenance & Reliability	Fuel & Mobile Equipment	Data Management	Mining Case Studies	Shafts & Hoists
	Mining & Milling	Sumps Pumps & Conveyors	Case Studies	Past/Future	Planning & Development
	Safety & Environment	Safety I	Safety/ Environment	Safety II	Environment
WEDNESDAY, NOVEMBER 9	Maintenance & Reliability	Wear Corrosion & Vibration	New Developments	Electrical & Electronic Equipment	Closing Ceremony
	Mining & Milling	Rock Mechanics	Geotechnical	Ground Support	
	People & Productivity	Productivity	Motivation	Community Relations	

Social Program

Combining great food and drink, live entertainment and reminiscing with old friends makes for a stellar social program.

Opening Reception

The MEMO Opening Reception is the official conference kick-off and a great opportunity to mingle and greet fellow conference participants while enjoying a buffet and local entertainment.

Date: Sunday, November 6 | **Time:** 18:00 to 21:00 | **Location:** Trade Show | **Price:** Included in the conference fees

MEMO 2011 Gala

The MEMO Gala is a social and networking event not to be missed! Enjoy a special evening of cocktails, music, local foods and entertainment with Double Vision Magic.

Date: Monday, November 7 | **Reception:** 18:30 to 19:30 | **Dinner:** 19:30 to 22:00 | **Location:** Ballrooms, Sheraton Cavalier Saskatoon | **Price:** \$125

Luncheon and Cocktail Receptions

Grow your network of contacts at the lunch and cocktail receptions in the Trade Show.

Date: Monday to Wednesday | **Time:** 12:30 to 14:00 and 16:30 to 18:00 | **Price:** Included in the conference fees

Scotch Tasting Night

Organized by:



Network with industry leaders while enjoying fine scotch and a beautiful jewelry display. J. Wheelock, a Canadian Ambassador for Macallan and Highland Park Distilleries, will provide his expertise in a sampling of six vintage scotches. The tastings will be accompanied by a selection of wines, premium beers and tasty canapés.

This evening is a fundraiser for the Canadian Mining and Metallurgy Foundation (CMMF), which will contribute 50 per cent of the proceeds to the CIM Saskatoon Branch for its charitable projects. Participants will receive a partial receipt for income tax purposes. Space is limited, so reserve early if you do not want to miss out on this exciting event!

Date: Tuesday, November 8 | **Time:** 18:00 to 20:30 | **Price:** \$125



Field Trips

These one-day field trips will be held on Thursday, November 10. Places are limited – register early!



Cameco – Uranium Site Tour (McArthur River & Rabbit Lake)

McArthur River is the world's largest high-grade uranium mine. It is Cameco's flagship operation, located in the Athabasca Basin in northern Saskatchewan. The ore grade at McArthur River averages over 20 per cent U_3O_8 , more than 100 times higher than the world average. The McArthur River deposit is located more than 500 metres below the surface at the juncture of the water-saturated Athabasca sandstone and basement rock. Because of this unique geology, Cameco uses a combination of non-entry mining techniques and ground freezing. Although both techniques are common in mining, neither had been used for uranium production before the McArthur River Mine.

The Rabbit Lake operation, which opened in 1975, is the longest operating uranium production facility in North America and the second largest uranium mill in the world. Found in the Athabasca Basin in northern Saskatchewan, Rabbit Lake currently has a maximum licensed capacity to mill 11 million pounds of uranium. Once the Cigar Lake mining project is back in production, Rabbit Lake mill is expected to process about half of the uranium mined, increasing the capacity to 16 million pounds.

Time: 6:30 to 19:00 | **Price:** \$600

PotashCorp – Potash Site Tour (Cory Division)

The Cory Mine site is located six kilometres west of Saskatoon in central Saskatchewan. The tour will include a visit of the surface facilities (including the mill) and underground mine. The mill portion of the tour will include viewing the crushing and grinding circuits, desliming, flotation, drying, sizing, storage and loadout.

Participants will descend 3,200 feet below the surface. Once on the potash level, Jeeps will take them through drifts approximately 15 kilometres to the mining face where a bore miner is mining a fresh face. The tour will follow the return conveyors back to the loading station and skip loading facilities.

Time: 7:00 to 14:30 | **Price:** \$50

Mosaic – Potash Site Tour (Colonsay Division)

The Colonsay Mine and mill are located approximately 65 kilometres southeast of Saskatoon. They were built in the late 1960s and have been in operation since 1969. The facility produces muriate of potash (MOP) in two grades: granular and standard. Nearly 1.8 million tonnes of potash is mined at Colonsay each year with current plans to expand this output by 1.1 million tonnes. The site visit will include both an underground tour of the mine as well as a tour of the mill, exploring the various processes involved in potash production.

Time: 7:00 to 16:30 | **Price:** \$100

Fabrication Shop Tour

Saskatoon fabrication and machine shops started assisting the mining industry since the first potash shafts were sunk in the 1960s, and since that time, the quality of work done at the Saskatoon fabrication shops has become world class. Many of the large-name worldwide equipment manufacturers and suppliers have teamed with local shops to fabricate, assemble and install their equipment. While touring the Saskatoon shops, visitors will see fabrication and assembly of components and equipment to be used in all areas of mining including: bore miner frame, track and gear reducer components, large oil sands gears and gear reducers, conveyor frames, chutes and drive arrangements, pump frames, piping and pump drive arrangements, tanks, pressure vessels, flotation machines, screens, bucket elevators and much more.

Time: 7:00 to 14:30 | **Price:** \$75



M4S

- MINING
- MINERALS
- METALS
- MATERIALS

MINING FOR SOCIETY

M4S – The educational public show on Mining, Minerals, Metals and Materials

The M4S show is the perfect venue to educate the general public on the importance of mining and its impact on our daily lives. M4S allows visitors to “take a walk” through the mining cycle by visiting themed pavilions, from exploration to products and fabrication. It is a free interactive event where teachers, students and the general public experience the various stages of the mining cycle and learn about the wide range of exciting careers available in this industry. By highlighting the opportunities and dispelling the myths, we are helping to secure a robust future for the industry, for generations to come. Together, we can demonstrate the positive impact of our sector.

MEMO 2011 exhibitors, delegates and visitors are invited to take part in M4S. Interested in participating as an exhibitor? CIM welcomes your contribution.

The general public is invited to visit M4S on Sunday, November 6, while teachers and students are scheduled to visit the following two days.



Normand Huberdeau / NH Photographies Ltée.

Trade Show

The trade show will showcase the latest technologies, equipment and services for mine operators. It provides participants with the opportunity to renew established contacts and make new ones while exploring the booths.

Opening hours:

Sunday, November 6 18:00 to 21:00
 Monday, November 7 9:00 to 16:00
 and Tuesday, November 8

Exhibitors	Booths
3M Canada Company	14
48e Nord International	46 to 51
ABB/Simsmart	15
ABC Canada Technology Group	F19
AGI Envirotank	F01
AkzoNobel Chemicals Ltd.	44
AR Thomson Group	F08
Associated Mining Construction Inc. (AMC)	39
Atlas Copco Construction and Mining Canada	30
BASF Construction Chemicals	29
CANMET Mining and Mineral Sciences Laboratories	1
Cattron – Theimeg Canada Ltd.	37
Cementation Canada Inc.	F12
Clifton Associates Ltd.	41
CMC Rentals	F07
COGEP	67
Commercial Sand Blasting and Painting	F06
Conspec Controls Ltd.	11
Converteam Canada Inc.	F11
Cubex Limited	18
DSI Mining Canada	17
Dyno Nobel Canada	9
ENGCOMP	25
FLSmidth Ltd.	27
Fortis	61
Golder Associates Ltd.	43
Goodman Industrial/ Enduralite LED	33
Graham Group Ltd.	28
Hatch	F09
HLS HARD-LINE Solutions Inc	38
IMM Industrial Machine & Mfg. Inc.	40
Industrial Fabrication Inc.	64
ITT Water & Wastewater	20
Jenmar Canada	65
Kramer Ltd.	12
Littelfuse Startco	19
Maclean Engineering & Marketing Co. Limited	4
March Consulting Associates Inc.	F05
Mine Design Technologies International Inc.	16
Mining Technologies International Inc.	22
Minova Americas	8
MWG Apparel Corp	F15
Normet Canada Ltd	10
North Fringe Industrial Technologies Inc.	31
Northern Strands	42
Orica Canada, Inc.	7
Pneuma-Tool	45A
Points Athabasca Contracting	62
Power & Mine Supply Co. Ltd.	35
R.D.H. Mining Equipment	63
ROSTA Inc.	24
Sandvik Mining and Construction	6
SIEMAG TECBERG Inc.	F13
Superior Propane	13
Team Power Solutions	32
The Procon Group of Companies	F17
Wabi Iron & Steel Corp	36
Walden Equipment	26
Wardrop, A Tetra Tech Company	F03
WESCO Distribution Canada LP	34
WorleyParsons Canada	45

Sponsors

Diamond				
Gold				
Silver				
Bronze				
Friends				

REGISTER BEFORE OCTOBER 5 AND SAVE!
www.cim.org/memo2011
 Take advantage of our early-bird rates.

Accommodations

Special conference rates are available (please reference “MEMO 2011 from CIM”). Room blocks will be released on October 4, 2011, so book early!

Hilton Garden Inn
 1.877.782.9444
www.hiltongardeninn.hilton.com

Delta Bessborough
 1.800.268.1133
www.deltahotels.com/en/hotels/saskatchewan/delta-bessborough/