



location

The seminar will be held in the University of Alberta Engineering Solarium, on the picturesque grounds of the University of Alberta in Edmonton, Alberta, Canada. Hotel accommodation within easy walking or public transport can be found adjacent to the University and in the city centre nearby.

The weather at this time of year is usually pleasant and sunny. Average temperatures range from a high of 22° during the day to a low of 10°. Information on the University of Alberta and the School of Mining Engineering can be found at:

<http://www.engineering.ualberta.ca/mlnlng/>

Information on the SMART organization and previous seminars in this series can be found at:

<http://www.smartmines.com>

Information on the GMSG can be found at:

<http://www.globalminingstandards.org>

For more information about the venue and registration, please contact:

Heather Ednie, GMSG
hednie@cim.org

or

Tim Joseph, SMART
tim.joseph@ualberta.ca

seminar fees (special rates for SMART, GMSG, CIM, APEGA and ACR members)

General Registration Cdn\$630
Special rate registrants (above) Cdn\$525

Delegate fees include: GST, continental breakfast and lunch on October 6th & 7th, and a reception on the evening of October 6th at the University Faculty Club followed by CIM co-hosted dinner with speaker.

Online registration is available NOW at:

([website](#))

who should attend?

This learning seminar will be of interest to all personnel involved in mine, maintenance and operations planning, reliability, procurement, manufacturing, service provision and health and safety. Managers and supervisors will be particularly interested in the innovative strategies presented by international keynote speakers and case studies from similar mining operations targeted at alleviating key concern issues.



SMART Surface Mining Association
for Research and Technology

Alpha Coal West Inc
AngloGold Ashanti (Colorado)
Anglo American Metallurgical Coal
ArcelorMittal Mines Canada
Barrick Gold Corporation
BHP Billiton Diamonds Inc.
BHP BMA Coal Australia
Canadian Natural Resources Ltd.
Cliffs Natural Resources
DeBeers Canada Inc.
Freeport McMoran Copper & Gold
Goldcorp Canada Ltd.
Imperial Oil Ltd.
Iron Ore Co. of Canada
Kinross Gold Corporation
KMC Mining Corporation

Newmont Mining Corporation
North American Construction
NovaGold Resources Inc.
Peabody Energy Corporation
Prairie Mines & Royalty Ltd.
Queens University
Shell Canada Ltd.
Suncor Energy
Syncrude Canada Ltd.
Teck Resources Limited
Thiess Pty Ltd
Total E&P Canada Ltd.
TransAlta Corporation
University of Alberta
University of Arizona
University of British Colum



SMART Surface Mining Association
for Research and Technology

17th Mining Industry Learning Seminar

Standards and Benchmarking for Operational Excellence

“rising to the challenge”



Hosted in conjunction with the Global
Mining Standards and Guidelines Group

October 6 & 7, 2014

University of Alberta

Edmonton, Canada

**The 17th Mining Industry Learning Seminar
standards and benchmarking
“rising to the challenge”**

The University of Alberta, SMART and the Global Mining Standards and Guidelines Group (GMSG) are pleased to offer a learning seminar that once again gets right to the crux of core issues as operational and economic challenges, legislation and responsible risk management practice continue to move the benchmark we all strive to meet and exceed. In today's mining world, standards demand a balance between the quantitative and qualitative.

With the mining industry driving change for more effective use of operational resources, while meeting the challenge of ensuring the sustainability of community and the environment; we as mining industry professionals need to not only be aware of, but be ready with operational and monitoring strategies that place us at the forefront of responsible practice.

Alberta is a unique region with seasonal variations requiring mine operators to consider qualitative considerations in a dominant quantitative environment. Such decisions are often sparse in data and more often than not required in short order. What do other operations do in Canada and around the world to manage an effective standards compliant environment?

Are there lessons learnt in places like Australia or Europe that bring value to the Canada question? What can you take from this seminar and put into practice tomorrow to initiate an effective benchmarking and standard compliant environment? Join us October 6 and 7, 2014.

What do you do to make a difference in your asset and risk management activities? What do your people do on a daily basis, that perhaps they do without thinking, that perhaps you are not even aware of, to make your operation a leader?

We are inviting you to not only attend and listen to the superb line-up of internationally renowned speakers, but share your experiences, challenges and "made-in-mine" innovative strategies, no matter how small, that summed together make a more responsible solution.

Chair: Dr. Tim Joseph, P.Eng., FCIM

schedule

October 6, 2014

0800	Welcome Breakfast & Registration in Solarium
0845	Tim Joseph: Opening remarks from Chair:
0850	Welcome from University of Alberta
0900	Gord Winkel: Introduction from SMART Chair
0915	David Hutchens: Keynote address
1000	Coffee
1030	Andrew Scott: The case for change: Mining operational standards and benchmarking
1100	Tim Skinner: ISO and Mining: Update on work in progress, and its impact on future operational excellence
1130	Muneer Naseer: Role of operational standards from the regulator perspective
1200	Lunch & networking
1300	Peter Wan: Case study of collision avoidance at Teck
1:30	Mine Safety Round Table (Andrew Scott): 4-point Framework for Collision Avoidance/Proximity Detection requirements
1400	Coffee
1415	Chris Doran - Global collaboration towards effective collision avoidance systems applications in mining: learnings from Anglo American and the EMESRT strategy
1530	Discussion forum
1615	Tim Joseph: 1st day closing remarks
1630	Reception – University Faculty Club

October 7, 2014

0830	Breakfast & welcome to day 2 in Solarium
0900	Tim Joseph: Chair's remarks: Recap of day 1 and forward driving directions
0915	Iain Allen: Proving the concept: GMSG unified interface in-field testing at Shell
09:45	Zoli Lukacs: Collaboration-built operational time model guideline
1030	Coffee in ETLC Solarium
1050	Neeltje Slingerland: Regulations, standards and designing for closure planning: impact on operations Operators' experience forum: case studies from the field • Jason Wood, Shell Canada
1200	Lunch & Networking
1315	Operators' experience forum 2
1415	Coffee
1430	Tim Joseph & Andrew Scott - Open forum: Making the link between industry, technology and standards

1545	Tim Joseph: Chair's final remarks & close
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sponsorship opportunities

- One way to participate in an Industry Learning Seminar is to contribute to its success as a sponsor.
- Acknowledgment for all sponsors will be made in all seminar promotion and at the seminar events:

SMART Sponsors Cdn\$5000

- Up to 4 delegates' attendance PLUS
- Sponsorship of a breakfast, break or lunch

To register as a **Sponsor**, simply fill out the form below and return to Tim Joseph **before August 31, 2014**. This will maximize the exposure opportunity for your company. Or send an email to hednie@cim.org for confirmation and payment information.

2014 sponsorship

**17th Mining Industry Learning Seminar
standards & benchmarking
October 6th & 7th, 2014**

Company: _____
Number of expected delegates Invoice Y/N

Contact Name: _____

E-mail: _____

Phone: _____

2014 Registration

<https://www.extremeform.com/f/687527/1401/>

More Information

Presenter information, program updates, and online registration through the GMSG website - Events: <http://www.globalminingstandards.org/events/events/smart-learning-seminar-2014/>