



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/mining/>

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

<http://www.smartmines.com>

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

Dr. Tim Joseph
 Learning Seminar Chair
2013 Industry Learning Seminar
 3-042 NREF Bldg., University of Alberta,
 Edmonton, AB. T6G 2W2
(780) 492 3810
tim.joseph@ualberta.ca

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

General Registration Cdn\$525
 SMART, CIM & ACR members Cdn\$420

Delegate fees include: GST, continental breakfast and lunch on the 17th & 18th, and a dinner on the evening of June 17th at the University Faculty Club.

Please make cheques made payable to:

University of Alberta – Mining Learning Seminar

who should attend?

This learning seminar will be of interest to all personnel involved in mine planning, closure planning, reclamation, remediation activities and operations. 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.
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SMART Surface Mining Association for Research and Technology

15th Mining Industry Learning Seminar

water & mining

“operational issues for sustainable mining”



June 17 & 18, 2013

University of Alberta

Edmonton, Canada

The 15th Mining Industry Learning Seminar
water & mining
“operational issues for sustainable mining”

The University of Alberta and SMART 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 environmental practice continue to move the benchmark we all strive to meet and exceed. In today's mining world, water considerations 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 water balance? Are there lessons learnt in places like Brazil or East Africa that bring value to the Alberta question? What can you take from this seminar and put into practice tomorrow to initiate a more sustainable water balance? Join us June 17 - 18, 2013.

CSR has become the buzz phrase of the decade, quoted by business, government and lobbyists without a real true sense of the implications of the words. Reality is that social responsibility IS of prime importance, but the question should be for whom? Who is the C in CSR?; Corporate or Community? Who is the future water user?

What do you do to make a sustainable difference in your water 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 sustainable water quality and quantity 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 environment.

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

schedule

June 17

0800	Welcome Breakfast & Registration
0845	Opening remarks from Chair: Tim Joseph
0850	Welcome from University of Alberta
0900	Intro – Dr. Greg Goss - UofA Water Initiative
0920	International Invited keynote – Geraldo Universidade Federal de Minas Gerais, Brazil
1000	Coffee
1020	Dr. Greg Goss – A vision of water issues in Alberta – living with selenium?
1050	Dr. Keith Tierney – impacts of water quality on aquatic life – UofA
1125	Dr. Arturo Sanchez – Monitoring systems and effective use of collected information - UofA
1200	Lunch & networking – University Faculty Club
1300	Lunch talk - East Africa – community social responsibility – a new CSR – Chris Roberts
1340	Oil sands I –Suncor Energy – Mike Bowron
1410	Oil sands II – AMEC - Chuck Edwards
1440	Coffee
1500	Coal I – TransAlta Utilities / Sunhills Mining
1530	Coal II – Teck Coal – Ross Pritchard
1600	1st day closing remarks – Tim Joseph
1610	Short tours of University of Alberta facilities
1730	Networking Dinner – University Faculty Club

June 18

0815	Breakfast & welcome to day 2
0845	Chair's continuing remarks: Tim Joseph
0900	Recap of day 1 and forward driving directions
0900	International invited keynote: Prof Fernando Gabriel, Program Director Mining Engineering, UFOP, Brazil
0940	Kevin Biggar – BGC – closure and water
1010	Coffee
1030	Water concerns for a power generator – Clayton Tiedemann – EPCOR
1100	SMART member case study I
1130	SMART member case study II
1200	Lunch & networking
1315	Supplier I – product application case study
1345	Supplier II – product application case study
1440	Coffee
1450	Tim Joseph - Open forum workshop Making the link between industry – technology – application and research
1600	Chair's final remarks & close: Tim Joseph

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:

Package 1 - Gold Sponsor Cdn\$5000

- Up to 5 delegates' attendance PLUS
- executive dinner sponsorship or
- wine sponsorship or
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Package 2 – Silver Sponsor Cdn\$2500

- up to 3 delegates' attendance PLUS
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- proceedings generation

Package 3 - Bronze Sponsor Cdn\$1500

- 1 delegate attendance PLUS
- coffee breaks sponsorship

To register as a **Sponsor**, simply fill out the form below and return to Tim Joseph **before May 31, 2013**. This will maximize the exposure opportunity for your company.

2013 sponsorship & pre-registration

15th Mining Industry Learning Seminar
water & mining
June 17th & 18th, 2013

Company: _____

Number of expected delegates Y/N
 Invoice

Contact Name: _____

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Sponsorship Package (please check one if applicable):

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