

# PDAC2012

International Convention, Trade Show  
& Investors Exchange Mining Investment Show  
March 4-7, 2012, Toronto, Canada  
Metro Toronto Convention Centre - South Building



## Innovation Forum organized by CAMESE Presentations by Trade Show Exhibitors

**Page Index:**

- [Geophysics](#)
- [Exploration](#)
- [Geochemistry](#)
- [Mineralogy](#)
- [Mining](#)
- [Project Management](#)
- [Regulatory](#)
- [Remediation](#)

The Prospectors & Developers Association of Canada (PDAC) and the Canadian Association of Mining Equipment and Services for Export (CAMESE) have joined forces again to enhance exchanges between exhibitors and registrants at the world's largest Convention and Trade Show for the mineral exploration industry.

The purpose of the Innovation Forum organized by CAMESE is to allow registered Trade Show Exhibitors an additional opportunity to inform Convention registrants about their innovations. Examples include new products, services, exploration developments, discoveries, legislation changes, or recent technical or commercial successes. Presentations must be well prepared, impart sound technical or business content and be seen to be innovative and/or newsworthy.

The Forum will take place on Sunday, March 4, 2012 in Room 802.

For more information contact Amanda Scriver, [ascriver@pdac.ca](mailto:ascriver@pdac.ca) or 416 362 1969 ext 291

**Sunday March 4**

**Room 802**

Chairs: Pascal Muzard and R.Spencer Ramshaw

**Geophysics**

- 10:00 am **3D Inversion of full tensor gravity gradiometry: A case study for gold exploration in greenstone belts, West Africa**  
A Full Tensor Gravity Gradiometry survey has been successfully employed to map and resolve structural features controlling gold mineralization over greenstone belts of West Africa.  
**Bell Geospace, Inc.**, Booth 210, James Mataragio  
[www.bellgeo.com](http://www.bellgeo.com)
- 10:20 am **Advances in Long Range Ground Penetrating Radar for mineral exploration**  
Recent advances in ground penetrating radar (GPR) technology have greatly improved penetration depths and reduced surveying costs for the mining industry.  
**Groundradar, Inc.**, Booth 702, Jan Francke  
[www.groundradar.com](http://www.groundradar.com)
- 10:40 am **The application ZTEM to porphyry copper-gold exploration**  
The ZTEM responses for several porphyry deposits in light of other exploration data including drilling, mapped geology and other forms of airborne and ground geophysics.  
**Condor Consulting, Inc.**, Booth 453, Ken Witherly  
[www.condorconsult.com](http://www.condorconsult.com)
- 11:00 am **SkyTEM Surveys - New systems, new exploration opportunities**  
This presentation will focus on case studies from recent exploration projects showing how and why the SkyTEM method is truly different in significant ways.  
**SkyTEM Surveys ApS**, Booth 853, Bill Brown  
[www.skytem.com](http://www.skytem.com)
- 11:20 am **DIGHEM Revisited**  
Helicopter-borne, frequency-domain EM (HFEM) combined with magnetic gradiometry is arguably the best tool for gold exploration in environments suitable to airborne geophysics.

Sponsored by:



**Right to the point.**



101-345 Renfrew Dr  
Markham, ON L3R 9S9  
Canada  
Tel: 1 905 513 0046  
Fax: 1 905 513 1834  
[minesupply@camese.org](mailto:minesupply@camese.org)

**Fugro Airborne Surveys Corp.**, Booth 203, Lee Davies  
[www.fugroairborne.com](http://www.fugroairborne.com)

- 11:40 am **A magnetometer for the new millennium**  
 Scintrex introduces the ENVI Cs and ENVI p+ magnetometers, with a modern console with full graphic interface and navigational capabilities with proton and/or cesium sensors.  
**Scintrex**, Booth 1001, Richard Lachapelle  
[www.scintrexltd.com](http://www.scintrexltd.com)
- 12:00 pm **High detailed (1:5000 scale) airborne electromagnetic and magnetic surveys**  
 The application of the helicopter-borne Equator system for high-detailed surveys will be reviewed and technical features of the technology that allows resolution comparable to that of ground-based methods will be described.  
**Geotechnologies**, Booth 444, Evgeny Moilanen  
[www.gtcomp.ru](http://www.gtcomp.ru)
- 12:20 pm **Making the most of your exploration budget**  
 The EarthProbe high resolution DCIP system enables improved characterization of geologic features by integrating in-hole physical rock property information with off-hole resistivity and chargeability mapping  
**Caracle Creek International Consulting Inc.**, Booth 150, Julie Palich  
[www.caraclecreek.com](http://www.caraclecreek.com)
- 12:40 pm **Advanced wireless geophysical ground instruments**  
 Pico Envirotec has developed a new line of wireless ground instruments allowing the operator to acquire GPS synchronized data on survey areas without visual reference points.  
**Pico Envirotec**, Booth 1037, Anton Vetrov  
[www.picoenvirotec.com](http://www.picoenvirotec.com)

**Exploration**

- 1:00 pm **Leveraging immersive 3D visualization in the mining industry**  
 The broader opportunities 3D visualizations offers mining industry professionals.  
**Golder Associates**, Booth 342, John Fairs  
[www.golder.com](http://www.golder.com)
- 1:20 pm **Deep Exploration Technologies Cooperative Research Centre**  
 New technologies being developed by DET CRC such as a coiled tubing drilling rig for greenfields exploration and carbon fibre drill rods will be discussed.  
**Deep Exploration Technologies CRC (DET CRC)**, Booth 311, Richard Hillis  
[www.detcrc.com.au](http://www.detcrc.com.au)
- 1:40 pm **Highlights of tools and technology developed for exploration challenges**  
 The Maia detector, ASTER map, new models for Fe, U and Au exploration, and regional groundwater/vegetation sampling are new exploration tools from CSIRO's Discovery Theme.  
**CSIRO Minerals Down Under Flagship**, Booth 1521, Ryan Nobel  
[www.csiro.au/org/MineralsDownUnderFlagship.html](http://www.csiro.au/org/MineralsDownUnderFlagship.html)
- 2:00 pm **GeoInfoMEX**  
 GeoInfoMex: A search information system of the Mexican Geological Survey links geoscientific information and existing mining properties in Mexico.  
**Mexican Geological Survey**, Booth 1215, Hector A. Alba  
[www.sgm.gob.mx](http://www.sgm.gob.mx)
- 2:20 pm **The use of geodynamic plate models for the prediction of mineral occurrences**  
 Neflex presents a global geodynamic plate model for paleogeographic reconstruction of minerals data. This PaleoGIS-based tool supports prediction and strategic planning in minerals exploration workflows.  
**Neflex Petroleum Consultants Ltd.**, Booth 1615, James L. Etienne  
[www.neftex.com](http://www.neftex.com)
- 2:40 pm **Move2012: Midland Valley's geological modelling software for exploration and resource development**  
 Move2012 builds 3D geological models, addressing geometrical and geological uncertainty and risk by quantifying structural framework geometry, and processes backwards and forwards in real time.  
**Midland Valley**, Booth 1607, Armelle Kloppenburg  
[www.mve.com](http://www.mve.com)

**Geochemistry**

- 3:00 pm **Major advances in FPXRF for mineral exploration and mining: No longer just a pre-screening tool**  
 A brief insight into a new application of modern Field Portable X-ray Fluorescence (FPXRF) utilising litho-geochemistry as an indiscriminate geological mapping and logging tool.  
**Olympus Innov-X**, Booth 650, Aaron Baensch  
[www.olympus-ims.com/en/innovx-xrf-xrd/geochemistry/](http://www.olympus-ims.com/en/innovx-xrf-xrd/geochemistry/)

- 3:20 pm **Thermo Scientific portable XRF analyzers and sample preparation tools for the mining industry**  
 Assay results from unprepared samples (direct shot with ThermoScientific PXRF) are compared to those from prepared samples (pulverized by portable mill and grinder).  
**Thermo Scientific Niton Handheld XRF Analyzers**, Booth 504, Ali Somarin  
[www.thermoscientific.com/niton](http://www.thermoscientific.com/niton)

**Mineralogy**

- 3:40 pm **Use of automated mineralogy for identification of multi-commodity indicator minerals**  
 Using Qemscan has simplified indicator mineral identification by automating the process. Even the finest material can now be examined for its full mineral content.  
**SGS Minerals Services**, Booth 102, Hugh A de Souza  
[www.sgs.com/met](http://www.sgs.com/met)
- 4:00 pm **TerraSpec® mineral analyzers provide rapid mineralogical analysis**  
 ASD Inc.'s TerraSpec mineral analyzers rapidly characterize and quantify mineral assemblages, providing both a useful exploration vector and assisting in resource evaluation and reserve definition.  
**ASD Inc.**, Booth 1525, Brian Curtiss  
[www.asdi.com](http://www.asdi.com)

**Mining**

- 4:20 pm **Intensive underground mining: A Chilean engineering contribution to underground mining**  
 As environmental and social concerns make surface mining less attractive and surface deposits are mined out, underground mining becomes more important. However, innovation is required.  
**Chile, Ministry of Mining**, Booth 1349, Victor Encina and Ricardo Nicolau  
[www.aic.cl](http://www.aic.cl)

**Project Management**

- 4:40 pm **Benefits of integrating environmental planning considerations in mine scoping studies**  
 The inclusion of environmental considerations at the scoping study stage allows the design team to take an impact avoidance approach rather than an impact mitigation approach.  
**Tetra Tech Wardrop**, Booth 904, Doug Ramsey  
[www.tetrattech.com](http://www.tetrattech.com)

**Regulatory**

- 5:00 pm **Streamlining regulatory review: Fisheries and Oceans Canada (DFO) introduces Operational Statements**  
 DFO has released a series of Operational Statements which will streamline the regulatory review of most exploration projects under the federal Fisheries Act.  
**Fisheries and Oceans Canada**, Booth 551, Glen Garach  
[www.dfo-mpo.gc.ca](http://www.dfo-mpo.gc.ca)

**Remediation**

- 5:20 pm **Innovative, long-term dry cover treatment systems**  
 A new methodology for advanced combined dry cover/infiltration treatment systems to close out potentially acid-generating tailings and waste rock areas at closed mines.  
**Stantec Consulting Ltd.**, Booth 609, James Higgins  
[www.stantec.ca](http://www.stantec.ca)



Prospectors & Developers Association of Canada