

# 2<sup>nd</sup>

## ANNOUNCEMENT AND CALL FOR PAPERS



Photo credit: NASA

# WORLD GOLD 2011

HELD IN CONJUNCTION WITH COM2011,  
50<sup>TH</sup> CONFERENCE OF METALLURGISTS

(41<sup>ST</sup> ANNUAL HYDROMETALLURGY MEETING)

2-5 OCTOBER 2011, MONTREAL CANADA

**NOTE NEW DEADLINE - April 15<sup>th</sup>**

## BACKGROUND

The Canadian Institute of Mining, Metallurgy and Petroleum (CIM), the Australasian Institute of Mining and Metallurgy (AusIMM) and the Southern African Institute of Mining and Metallurgy (SAIMM) have agreed to jointly convene a World Gold Conference every two years on a rotational basis. After three successful events, the conference is back in Canada.

## MAIN THEMES

### Geology

- Worldwide gold exploration trends
- Gold deposit models - new discoveries and updates on existing deposits
- Innovations in technology, techniques, and advancements in gold exploration and deposit development (geology, geophysics, geochemistry, resources/reserves)

### Applied and Theoretical Rock Mechanics

- High temperature geomechanics
- In-situ stress measurement
- Prediction and modeling
- Lab and in-situ rock characterization and modelling
- Rock mechanics risk assessment
- Remote sensing and seismicity
- Stability and excavation support
- Rock-breaking systems and fragmentation

### Maintenance and Engineering in Mining

- Best Practices and an Energy Management session
- Hoisting

### Strategic Mine Planning

- Modeling and planning: state-of-the-art
- Uncertainty, recoverable reserves and sustainable utilization of mineral resources
- Mining optimization and case studies
- Stochastic mine planning
- Large scale integrated applications
- Strategic innovation in an uncertain and changing world

### Mine Operations

- Optimization of reserve extraction: application of integrated mining, process and environmental technical teams
- Operations best practice
- Short-term production planning, grade control, equipment productivity and monitoring
- Developments in implementing mining equipment automation
- Applications of new technologies to improve safety and workplace environmental conditions
- Stability and excavation support
- Rock breaking systems and fragmentation

### Management and Mineral Economics

- Reaction of suppliers to external factors such as currency movements, financial markets, demographic change
- Requirement for sustainable development and its influence on demand.

### Environment

- Environmental issues
- Social and political challenges
- Cleaner wastes and storage
- Alternative waste storage and management systems

- Community opportunities
- Effluent treatment
- Cyanide management
- Backfill with CN leaching tails

### Mineral Processing and Hydrometallurgy

- Applied mineralogy and surface analysis to assist processing
- Sampling techniques and accounting
- Communion and classification
- Recovery of gold by gravity
- Alternative lixivants
- Ion exchange resins
- New operations and new applications in the treatments of refractory gold ores
- Improvements of cyanidation (recovery, reagents, effluents, agitation)
- Automation, control strategies and modelling
- Activated carbon/zinc

Accepted papers will be subject to peer review. All accepted papers will be published and presented at the conference. Authors are required to register for the conference to present their papers.

The language of the conference will be English.



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2-5 OCTOBER 2011, MONTREAL CANADA



Photo credit: NASA

## SHORT COURSES

### Gold Processing Course

**When:** Saturday 1<sup>st</sup> and Sunday 2<sup>nd</sup> of October  
**Where:** Hilton Bonaventure Hotel, Montreal, QC  
**Cost:** Delegates, \$800, Students, \$400

CONTENT: The 1.5-day course will provide attendees with a refresher course on current unit operations in the gold processing flowsheet plus an update on emerging technologies and their likely integration into existing and proposed gold plants. Participants will have the opportunity to discuss their plant practices and problems. Speakers will also cover sustainability, environmental issues such as cyanide usage and waste management and energy conservation.

#### Saturday 1<sup>st</sup> October

- 8.30 – 9.30 am. Mineralogy of gold: Joe Zhou, consultant, Canada
- 9.30 – 10.30 am. Comminution: Rob McIvor, Metcom Technologies LLC, USA
- 10.30 – 11.00 am. Break
- 11.00 – 12.00 pm. Flotation, Rob Dunne, Newmont Gold, USA
- 12.00 – 1.00 pm Lunch
- 1.00 – 2.00 pm. Gravity separation and recovery: Sandy Gray, Gekko Systems, Australia
- 2.00 – 2.45 pm. Cyanidation I: Guy Deschênes, CANMET-MMSL, Canada
- 2.45 – 3.30 pm. Cyanidation II: Guy Deschênes, CANMET-MMSL, Canada
- 3.30 – 4.00 pm. Break
- 4.00 – 5.00 pm. CIP/RIP, elution and gold recovery: Bill Staunton, Parker Centre, Australia

#### Sunday 2<sup>nd</sup> October

- 8.30 – 9.30 am. Non-cyanide lixiviants: Mark Aylmore, Bateman Engineering, Australia
- 9.30 – 10.30 am. Pressure leaching, bio-oxidation and roasting: Sevet Acar, Newmont Gold, USA
- 10.30 – 10.45 am. Break
- 10.45 – 11.30 am. Effluents treatment: Leon Lorenzen, Snowden, Australia
- 11.30 am – 12.20 pm. International Cyanide Management Code: Jim Alto, Barrick Gold USA

### Strategic Risk Management in Ore Reserves and Mine Planning Optimization

**When:** Sunday 2<sup>nd</sup> October  
**Where:** Hilton Bonaventure Hotel, Montreal, QC  
**Cost:** Delegates, \$400, Students, \$200

CONTENT: In this 1-day course, discover how new technologies for risk-based mine planning optimization help capture the “upside potential” in mine designs and production schedules, minimize “downside risks” as well as increase cash flows through the effect of the mining sequence and “risk blending”. Real-world applications from major gold mines demonstrate the practical aspects of methods.

## WORKSHOP

### Workshop on the International Cyanide Management Code

**When:** Sunday, 2<sup>nd</sup> October. 1.00 – 5 pm.  
**Where:** Hilton Bonaventure Hotel, Montreal, QC  
**Cost:** Delegates, \$40, Students, \$10

The Cyanide Code is an important global initiative to improve the gold industry’s collective environmental and safety performance in its management of cyanide and in doing so, enhance its credibility with the public and key stakeholder groups. Paul Bateman, President of the International Cyanide Management Institute, the organization that administers the Code program and his colleague, Norm Greenwald, the Institute’s Vice President, will brief the workshop.

## TECHNICAL TOURS

#### Thursday, October 6<sup>th</sup>

- Westwood Project, IAMGOLD (for mining engineers)
- Metallurgy Complexe regrouping Lapa, Goldex and Laronde, Agnico Eagle
- Underground mine Laronde 2, Agnico Eagle
- Ossisko: Open pit and plant

## KEY DATES

### April 15<sup>th</sup>, 2011

Deadline for submission of abstracts. Submit your abstract at:  
[www.metsoc.org/com2011/submit-abstract.asp](http://www.metsoc.org/com2011/submit-abstract.asp)

### April 10<sup>th</sup> and after, 2011

Authors receive acceptance/regret notifications

### May 13<sup>th</sup>, 2011

Deadline for submission of final papers. Submit your final paper at:  
[www.metsoc.org/com2011](http://www.metsoc.org/com2011)

### October 2-5<sup>th</sup>, 2011

Conference

### Organizing Committee

|                                   |                   |
|-----------------------------------|-------------------|
| Guy Deschênes,<br><i>Chairman</i> | Mel Harju         |
| Sevet Acar                        | Richard Jundis    |
| Jami Archibald                    | Garth Kirkham     |
| Jocelyn Bouchard                  | Monica Ospina     |
| Terence Chatwin                   | Mohamed Ourriban  |
| Yeonuk Choi                       | Ronona Saunders   |
| Roussos Dimitrakopoulos           | Bill Staunton     |
| Julie Dixon                       | Paul van der Plas |
| Tony George                       | Jean Vavrek       |
|                                   | Joe Zhou          |

