



# 14TH ANNUAL CONFERENCE

## RESOURCES, RELATIONSHIPS, RISKS, AND REWARDS: MINING'S 4 R'S

WASHINGTON DC  
GEORGETOWN UNIVERSITY CONFERENCE CENTER

April 13–15, 2005

In collaboration with: Washington DC Section of the Society for Mining, Metallurgy and Exploration (SME) & the Management and Economics Society of the Canadian Institute of Mining, Metallurgy, and Petroleum (CIM)

### RESOURCES, RELATIONSHIPS, RISKS, AND REWARDS: MINING'S 4 R'S

The 4 R's of resources, relationships, risks, and rewards together serve to frame mining's operating environment. This conference will explore these elements not only as they have been and are, but also as they may be in the years to come. Setting a new precedent, this meeting is being mounted collaboratively with the Washington DC Section of the Society for Mining, Metallurgy and Exploration (SME) and the Management and Economics Society of the Canadian Institute of Mining, Metallurgy, and Petroleum (CIM).

### MINERAL ECONOMICS AND MANAGEMENT SOCIETY

MEMS is a society for mineral, energy, and natural resource professionals who apply economics, finance and policy analysis to the issues facing the minerals and materials industries. These issues include supply and demand of mineral commodities, international trade in mineral and energy raw materials, environmental issues, natural resource, mineral and energy conservation, and related government policies. Visit us at [www.minecon.com](http://www.minecon.com)

### CURRENT PROGRAM

Program Chair ----- R. Anthony Hodge  
*President, Anthony Hodge Consultants Inc.*  
Meeting Arrangements ----- Melody Francisco  
*Manager Short Courses & Conferences, Colorado School of Mines*

### VISIT [WWW.MINECON.COM](http://WWW.MINECON.COM) FOR:

- Pre-conference Workshop
- Conference Program Description
- Program Updates
- Easy Registration

### GENERAL INFORMATION

#### Location

The MEMS Annual Conference will be held at the Georgetown University Conference Center Hotel, located on Georgetown's Campus.

#### Accommodations

A block of rooms have been reserved until Wednesday, March 23, 2005 at the Georgetown University Conference Center Hotel. All accommodations are to be made by individual participants. Please indicate you are attending the Mineral Economics and Management Society (MEMS) Conference. Room rates are \$159 US, plus applicable taxes.

#### Georgetown University Conference Center Hotel

3800 Reservoir Road, NW

Washington DC 20057

202-687-3200 or 1-800-831-4004

[http://marriott.com/property/propertypage/wasgu?WT\\_Ref=mi\\_left](http://marriott.com/property/propertypage/wasgu?WT_Ref=mi_left)

#### Travel

Transportation is the responsibility of the participant. The Georgetown University Conference Hotel Center is approximately 5 miles (15 minutes) from Ronald Reagan Washington International Airport (DCA). Taxi service and rental car agencies can be found at the Airport. Visit [www.airwise.com/airports/us/DCA/](http://www.airwise.com/airports/us/DCA/) for more details on airport services. The Center is approximately 25 miles from Washington Dulles International Airport (IAD). [www.metwashairports.com/Dulles](http://www.metwashairports.com/Dulles)

#### Weather

The weather in Washington DC during the month of April is rather unpredictable. Temperatures vary during the day – the layered approach is safest and a warm waterproof coat for spring is a must. For up-to-the-minute local weather, visit [www.wunderground.com/US/DC/Washington.html](http://www.wunderground.com/US/DC/Washington.html)

### CONTACT US

#### Technical Contact

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Arrangement Chair  
Melody Francisco,  
*Colorado School of Mines*  
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[mfrancis@mines.edu](mailto:mfrancis@mines.edu)

#### Registration and General Information

Office of Special Programs & Continuing  
Education  
1600 Arapahoe, CSM Annex, Golden CO 80401  
T: 303-273-3321; F: 303-273-3314;  
[space@mines.edu](mailto:space@mines.edu)

## WEDNESDAY, APRIL 13, 2005

### PRE-CONFERENCE WORKSHOP -----8 am–5 pm

- **Co-facilitators:** Dave Evans and Chris Coulthard. *CSC Project Management Services, Calgary, Alberta. (Dave Evans 403-233-2994; CSCDaveE@cs.com)*

#### *“Building a Risk Register for a Mining Project”*

Risk registers have become the norm on the smallest and largest of development and construction projects to measure, manage and mitigate uncertainty. When completed, the risk register is a “snapshot in time” about what a project has to do right NOW to not only manage and mitigate risks, but also, to identify and capture opportunities. The risk register is meant to be a dynamic tool in support of the strategic and project execution plans. Frequent revisits are advised to update and amend when “things change”. This workshop is for mining people who wish to participate in a facilitated, collaborative process to design a useful and efficient way to identify, assess, rank and qualify risks on mining projects. An iterative process, with few conditions to constrain input will bring the participants collective knowledge into a comprehensive “bottom up” risk register that can serve as the basis for a formalized risk management plan.

### OPENING RECEPTION -----5:30 pm

### CALL TO ORDER ----- 6:30 pm

- **Conference Chair:** **Tony Hodge**
- **President’s Welcome:** **Dan Paszkowski**, *MEMS President*
- **Conference Overview:** **Tony Hodge**, *Conference Chair*
- **Speaker:** **U.S. Government Representative** (to be confirmed): “Washington Perspectives on Mining 2005”

## THURSDAY, APRIL 14, 2005

### CONTINENTAL BREAKFAST ----- 7:30 am

### CALL TO ORDER: DAY’S OVERVIEW ----- 8:15 am

### SESSION 1 -----8:30–9:50 AM

#### *“International Trends in Mining”*

This session will explore key international trends that currently dominate the mining activities world-wide.

- **Chair:** **David Humphreys**, *Chief Economist, Mgt. Board, Norilsk Nickel.*
- **John Tilton**, Professor, *Colorado School of Mines.* “Trends in the Terms of Trade for Primary Products and the Implications for Mineral Exporting Countries”
- **Craig Andrews**, *Mining Specialist, World Bank.* “Regional Perspective – Renaissance of mining in Africa, origins and implications”
- **TBD.** *CRU Strategies.* “The potential impact of changing accounting standards on mining industry behaviour”

### REFRESHMENT BREAK -----9:50–10:00 am

### SESSION 2 -----10:05–11:50 AM

#### *“China’s Impact on Mining”*

China’s important role in international mining and minerals will be this session’s subject.

- **Chair:** **Alan Heap**, *Global Commodities Analyst, Smith Burney, Sydney, Aus.*
- **W. David Menzie**, *Chief, International Minerals Section and John D. Jorgenson, Minerals Infor. Team, U.S. Geological Survey*
- **Alan Heap**, *Global Commodities Analyst, Smith Burney, Sydney, Australia* ----- “China - the engine of a commodity super cycle”
- **Nick Curtis**, *CEO, Sino Gold, Lynas Corp; Chair, Australia China Business Council (NSW branch).* “Reform of the Mining Industry in China”
- **David Davidson**, *Senior Analyst, Paradigm Capital, Toronto*

### SESSION 3 -----12:00–12:40 PM

#### *“Student Paper Competition and Award”*

Summary of the Student Paper Competition and the various submissions. The winner will be recognized and will give his/her paper, followed by a short question period.

- **Co-Chairs:** **Rod Eggert**, *Colorado School of Mines,*  
**Jianping Zhang**, *Government of the Northwest Territories*

### PRESIDENT’S LUNCH ----- 12:45–2:15 pm

- **President’s Remarks** – **Dan Paszkowski**
- Presentation of the W. A. Vogely – MEMS Award
- **W.A. Vogely** – MEMS Address by Award Recipient

### SESSION 4 ----- 2:15–3:35 PM

#### *“Relationships: Conflict Reduction between Corporations, Indigenous Communities and Activists”*

Three perspectives on reducing social conflict between mining activities and others will be presented: retail marketing, indigenous peoples, and environmental NGO.

- **Chair:** **Saleem Ali**, *Assistant Professor, University of Vermont*

#### *Invited Speakers:*

- **Michael Kowalski**, *CEO, Tiffany’s*
- **Payal Sampat**, *Earthworks, Washington D.C.*
- **S. James Anaya**, *Prof. Indigenous Studies and Professor of Law, Univ. of Arizona*

### REFRESHMENT BREAK ----- 3:40–3:55 pm

### SESSION 5 -----4:00–5:30 PM

#### *Natural Resource Trade and Policy Issues*

#### *(Developed with the Washington DC Section of SME)*

This session will take advantage of the conference’s location in Washington DC to address a number of key trade and policy issues.

- **Co-Chairs:** **Christopher B. Mapes** and **Karl Tsuji**, *U.S. International Trade Commission, in collaboration with the Washington DC Section of SME*
- **Stephen Koplan**, *Chair, U.S. Internat. Trade Commission.* “Steel Protection”
- **Richard Levine**, *Country Specialist, U.S. Geological Survey.* “CIS production pre- and post- break-up”
- **Kathleen Benedetto**, *U.S. House of Representatives Subcommittee on Energy and Mineral Resources.* “The Legislative Agenda and its Ramifications”
- **Joseph Mayer**, *President, Copper & Brass Fabricators Council.* “Consuming industry material sourcing issues”

### CONFERENCE BANQUET ----- 7:00 pm

- **Keynote Speaker:** (TBA) with follow-up discussion: “International Perspectives”

## FRIDAY, APRIL 15, 2005

### CONTINENTAL BREAKFAST ----- 7:30 am

### CALL TO ORDER: DAY’S OVERVIEW ----- 8:15 am

### SESSION 6 ----- 8:30–9:50 AM

#### *“Mining and Risk”*

Practical integration of risk ideas into mining-related decision-making will be addressed from three perspectives in this session.

- **Chair:** **Dave Evans**, *Senior Partner, CSC Project Mgt. Services in collaboration with CIM’s Management Economics Society.*
- **Larry Smith**, *Manager Project Evaluations, INCO.* “Quantitative Operating Risk Management Approaches and Applications in Mining”
- **Chris Coulthard**, *Senior Partner, CSC Project Mgt. Services.* “Quantitative risk analysis for mining life cycle management”
- **Ken Sloan**, *Global Mining Practice Leader, Marsh USA Inc.* “Quantifying Premiums for Mining Insurance”

### REFRESHMENT BREAK ----- 9:50–10:15 am

### SESSION 7 ----- 10:15–11:45 AM

#### *“Mining and Society – 20 Years Hence”*

The final session will build on a formal scenarios analysis completed in 2002 as part of the Mining, Minerals and Sustainable Development – North America exercise. After a brief summary of the exercise, three of the original participants will discuss trends that have become apparent in the intervening period as well as their significance. An open discussion will follow.

- **Chair:** **R. Anthony Hodge**, *President, Anthony Hodge Consultants Inc., Leader of Mining/Mineral Team, International Institute for Sustainable Development*
- **Ann Carpenter**, *Consulting Geologist, Reno, Nevada*
- **Mike McPhie**, *President and CEO, Mining Association of British Columbia*
- **Allan Moss**, *Principal Consultant Manager, RioTinto plc (invited)*

### NETWORKING LUNCH ----- Noon–1:30 pm

### AFTERNOON ----- Unstructured

REGISTRATION FORM

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REGISTRATION

REGISTRATION NOTES

- Conference fee: (US\$)
• MEMS Members \$395\*
• Nonmembers \$495\*
• Student MEMS Members \$45
• Students Nonmember \$75
• Pre-conference workshop \$225

To register, complete our registration form and submit it with your payment. Please use separate forms for each participant. Registration and full payment must be received by March 18th, 2005 to avoid the \$50 late fee.

- Meals: (US\$)
• President's Lunch, Thursday, April 14, 2005 \$30
• Dinner Banquet, Thursday, April 14, 2005 \$50
• Networking Lunch, Friday, April 15, 2005 \$30

Please note: you are not fully registered until your registration payment is received. The quickest way to fully register is with a credit card on our secure website at www.minecon.com.

Name \_\_\_\_\_
Title \_\_\_\_\_
Affiliation \_\_\_\_\_
Phone \_\_\_\_\_ Fax \_\_\_\_\_
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City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_
Country \_\_\_\_\_

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- VISA MC AMEX

Card # \_\_\_\_\_ Exp. \_\_\_\_\_

Total (US\$) \_\_\_\_\_

Make checks payable to: CSM Office of Continuing Education

Mail Payment and Registration to:

MEMS Registration, 1600 Arapahoe, Golden, CO 80401
T: (303) 273-3321 • F: (303) 273-3314 • space@mines.edu



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