

CORDILLERAN SECTION



GEOLOGICAL ASSOCIATION OF CANADA



Copper Mountain

Presents

# CORDILLERAN METALLOGENY: PORPHYRY SETTINGS

**Tuesday, April 27, 2010**  
**8:30 AM to 6:00 PM**  
**Vancouver Convention**  
**Centre**  
**Downtown Vancouver**



Mark April 27th in your calendar. The GAC-Cordilleran Section invites you to its *second annual Cordilleran Metallogeny Workshop*. This year's theme is *Porphyry Settings*. With a focus on British Columbia and Yukon, we will look beyond the pit limits and examine the tectonic settings and broader geological controls of Cordilleran porphyry deposits.

*Early fee (before April 6) professional \$ 130.00 plus 5% GST\* = \$ 136.50*

*Late fee (after April 6) professional \$ 160.00 plus 5% GST\* = \$ 168.00*

*Student fee (with ID) \$ 35.00 plus 5% GST\* = \$ 36.75*

Our slate of invited local and international speakers will examine the history of how understanding of Cordilleran tectonics has evolved during the past 50 years, what the state-of-the-art thinking is today, and how porphyry mineralization fits into current tectonic models. We will look particularly at the gold-rich alkaline porphyries and examine keys to their emplacement in Cordilleran settings. The workshop will culminate with a presentation linking geoscientific research with exploration targeting. A panel discussion including the day's speakers will close the meeting.

**See overleaf for list of speakers**

Following last year's successful Edges workshop model, the Porphyry Settings Workshop will include lunch, coffee break refreshments, and a post-workshop social hour.

Registration is now open at:

<http://www.gac-cs.ca/workshops/Porphyry/index.shtml>

For other inquiries, contact organizing committee co-chairs:  
Gerry Carlson ([gcarlson@telus.net](mailto:gcarlson@telus.net)) or Jim Ryan ([jryan@nrca.gc.ca](mailto:jryan@nrca.gc.ca))



## Speakers

Jim Monger (Geological Survey of Canada)

*From geosyncline to orogenic collage: progress and problems in understanding Cordilleran evolution*

Mitch Mihalyuk (BC Ministry of Energy, Mines and Petroleum Resources)

*Recipe for Cu-Au-Ag  $\pm$ Mo porphyry deposits: Ingredients from the northern Cordilleran terranes*

Maurice Colpron and Venessa Bennett (Yukon Geological Survey)

*Mesozoic crustal structure and metallogenic setting of the northern Intermontane terranes, Yukon*

**Keynote 1** Jeremy Richards (Dept. Earth and Atmospheric Sciences, U of A)

*Postsubduction porphyry Cu-Au and epithermal Au deposits*

Myron Osatenko (Serengeti Resources, Inc.)

*Overview of Porphyry Deposits in B.C. and Yukon: An Exploration Perspective*

**Keynote 2** Mark Cloos (University of Texas at Austin)

*Grasberg porphyry Cu-Au deposit, Papua, Indonesia: Structural setting and hydrothermal system*

Katrin Breitsprecher (Earth & Ocean Sciences, UBC)

*Tracer-isotope fingerprinting and magma sourcing for mineralized and unmineralized intrusive porphyries associated with the Nicola Arc, S. Quesnellia*

**Keynote 3** Eric Jensen (Eurasian Minerals Inc; Bronco Creek Exploration, Inc.)

*Gold and copper in magmatic-hydrothermal systems related to alkaline magmatism*

Thomas Bissig (Mineral Deposit Research Unit, UBC / Geoscience BC)

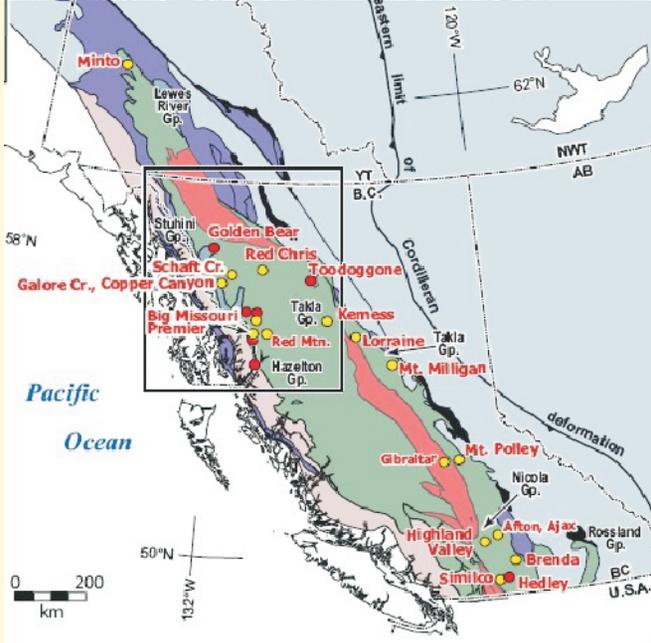
*Characteristics and geologic setting of alkaline porphyry Cu-Au deposits in B.C.*

Craig Hart (Mineral Deposit Research Unit, UBC)

*From Geoscience to Porphyry Targeting*

Panel *Discussion of porphyry exploration strategies for the Cordillera*

Post workshop Social hour



Copper Mountain pit