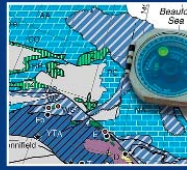




**SEG 2010
CONFERENCE**
October 2-5
Keystone, Colorado
www.seg2010.org



**THE CHALLENGE OF
FINDING NEW
MINERAL RESOURCES:
GLOBAL METALLOGENY
INNOVATIVE EXPLORATION
AND NEW DISCOVERIES**

TECHNICAL PROGRAM

*denotes presenter

SUNDAY AM, OCTOBER 3

GOLD SESSION

7:50 AM - Noon - Shavano/Red Cloud

- Session Chair: **Craig McEwan**, Minera Barrick Chile, Santiago, Chile
- 7:50 AM **Welcome:** *James Franklin**, Franklin Geosciences Ltd., Nepean, ON, Canada
- 8:00 AM **Global Gold Resources Estimated from Tectonic Diffusion:** *Stephen Kesler**, University of Michigan, Ann Arbor, MI and *Bruce H. Wilkinson*
- 8:30 AM **Recent Advances in the Archean Orogenic Gold Mineral System: An Assessment of the Past 10 Years New Research Results and Interpretations and their Implications for Exploration:** *Steffen Hagemann**, University of Western Australia, Nedlands, WA, Australia and *K. Cassidy*
- 9:00 AM **Gold Metallogeny of the Altaids: Update 2010:** *Reimar Seltsmann**, CERCAMS, Natural History Museum, London, Great Britain; *S. G. Soloviev*, IGSC, Calgary, AB, Canada; *R. A. Creaser*, University of Alberta, Edmonton, AB, Canada; *R. N. Armstrong*, CERCAMS, Natural History Museum, London, Great Britain; *D. L. Konopelko*, St. Petersburg University, St. Petersburg, Russia; *V. V. Shatov*, VSEGEI, St. Petersburg, Russia and *D. V. Alexeiev*, GIN, Moscow, Russia
- 9:30 AM **Gold, Seismic Tomography, and an Emerging Regional Targeting Paradigm:** *Graham Begg**, Minerals Targeting International PL, West Perth, WA, Australia and *B. Griffin* and *Suzanne O'Reilly*
- 10:00 AM **Break**
- 10:30 AM **Discovery History of the La Colosa Gold Porphyry Deposit, Cajamarca, Colombia:** *Robert Shaw**, Bogota, Colombia
- 11:00 AM **The New Pequop Gold District in NE Nevada: Discovery and Regional Architecture:** *Richard Bedell, Jr.**, AuExVentures Inc., Reno, NV
- 11:30 AM **Portable Infrared Spectroscopy as a Tool for Exploration and Metallogenesis of Gold Deposits: A Case Study at Damang Mine, Ghana:** *Alistair White**, University of Oxford, Oxford, Great Britain
- Noon **Lunch** (Columbine Ballroom)

SUNDAY PM, OCTOBER 3

SILVER SESSION

1:30 PM-5:30 PM - Shavano/Red Cloud

Session Chair: **Paul Bartos**, Esperanza Silver Corp., Lakewood, CO

- 1:30 PM **A Genetic Classification of Silver Deposits and Silver Metallogeny:** *Frederick Graybeal**, Exploration Management LLC, Chatham, NJ and *Peter Vikre*, Reno, NV
- 2:00 PM **Geology and Discovery of the Juanicipio Property, Fresnillo District, Mexico:** *Peter Megaw**, IMDEX Inc., Tucson, AZ
- 2:30 PM **Reconstruction of the Volcanic-Sedimentary Environment Hosting the La Pitarrilla, Silver-Zinc-Lead Deposit, Durango, Mexico:** *Claire Somers**, Laurentian University, Sudbury, ON, Canada and *Harold Gibson*, Laurentian University, Sudbury, ON, Canada
- 3:00 PM Break
- 3:30 PM **Discovery History of the Navidad Silver Deposits, Province of Chubut, Argentina: A Thousand Years in the Waiting!:** *Paul Lhotka**
- 4:00 PM **Geology and Mineralization of the Navidad Project, Argentina:** *Dean Williams**, Colonia, Uruguay
- 4:30 PM **Discovery History and Geology of the Corani Deposit, Peru:** *Andrew Swarthout**, Bear Creek Mining Co., Tucson, AZ
- 5:00 PM **The El Aguila Project, Oaxaca, Mexico: Low to Intermediate Sulfidation Au-Ag Mineralization:** *William Reid** and *David Reid*, Gold Resource Corp., Denver, CO
- 5:30 PM **Poster Presentations (Columbine Ballroom)**

MONDAY AM, OCTOBER 4

COPPER-MOLY SESSION

8:00 AM - Noon - Shavano/Red Cloud

Session Chair: **Jose Perello**, Antofagasta Minerals SA, Santiago, Chile

- 8:00 AM **Cu-Co Mineralization and Geotectonic Evolution of the Zambian Basin: Implications for Mineral Exploration Strategies within Sedimentary Basins:** *Stephen Roberts**, University of Southampton, Southampton, Great Britain

- 8:30 AM **Porphyry Deposits of Southwestern North America: Space-Time Relationships at the Regional Scale and Comparison with Young Arcs and Magmatic Centers:** *Eric Seedorff**, University of Arizona, Tucson, AZ; *Mark Barton*, University of Arizona, Tucson, AZ and *Lukas Zurcher*, University of Arizona, Tucson, AZ
- 9:00 AM **The Role of Geochemistry in Andean Copper Discoveries - Is the Past the Key to the Present?:** *David Kelley**, MMG USA Ltd., Lakewood, CO
- 9:30 AM **Discovery History of a Giant, High-Grade Hypogene Porphyry Copper-Molybdenum Deposit at Los Sulfatos, Los Bronces-Rio Blanco District, Central Chile:** *Vicente Irrarrazaval**, Anglo American Chile, Santiago, Chile
- 10:00 AM Break
- 10:30 AM **The Kamao Discovery, DRC:** *David Broughton**, Ivanhoe Nickel and Platinum, Ottawa, ON, Canada
- 11:00 AM **Wealth Creation Through Exploration in Mature Terrains: Recent Discoveries in the Centinela District, Northern Chile Porphyry Copper Belt:** *Richardo Muhr**
- 11:30 AM **Characterization and Reconstruction of the North Butte Dike Swarm and Tea Cup Porphyry System, Pinal County, Arizona:** *Phillip Nickerson**, University of Arizona, Tucson, AZ
- Noon **Lunch** (Columbine Ballroom)

MONDAY PM, OCTOBER 4

ZINC SESSION

1:30 - 5:30 PM - Shavano/Red Cloud

Session Chair: **Bruce Gemmell**, University of Tasmania, Hobart, TAS, Australia

- 1:30 PM **Modern and Ancient VMS:** *Mark Hannington**, University of Ottawa, Ottawa, ON, Canada
- 2:00 PM **Northern Australian Sedex:** *Peter McGoldrick**, University of Tasmania, Hobart, TAS, Australia
- 2:30 PM **Tethyan Zinc-Lead Metallogeny in Europe, North Africa and Asia:** *Neal Reynolds**, CSA Australia Pty Ltd., Burswood, WA, Australia and *Duncan Large*, Braunschweig, Germany
- 3:00 PM Break
- 3:30 PM **Application of Geochemistry in Exploration for Zinc Deposits:** *Stew Hamilton**

- 4:00 PM Lalor VHMS Deposit Discovery: *Kelly Gilmore**
- 4:30 PM Recent Discoveries in Toqui Zn Skarn District: *Steven D. Bussey**, Western Mining Services LLC, Centennial, CO
- 5:00 PM Geology of the LWM Massive Sulfide Deposit: A Guide to Base Metal Exploration in the Western Fortymile District of Alaska: *Chris Siron**, Colorado School of Mines, Golden, CO
- 5:30 PM Poster Presentations (Columbine Ballroom)

TUESDAY AM, OCTOBER 5

NICKEL-PGE SESSION

8:00 AM - Noon - Shavano/Red Cloud

- Session Chair: **Jim Mungall**, University of Toronto, Toronto, ON, Canada
- 8:00 AM New Perspectives on Exploration for Magmatic Cu-Ni-PGE Sulfide Deposits: *Edward Ripley**, Indiana University, Bloomington, IN
- 8:30 AM Thompson Ni Belt: *Michael Lesher*, Laurentian University, Sudbury, ON, Canada; and *Dan Layton-Matthews**, Queen's University, Kingston, ON, Canada
- 9:00 AM Geophysical Methods for NI Exploration: Present and Future: *Steve Balch**; *Jim Mungall*, University of Toronto, Toronto, ON, Canada and *Jeremy Niemi*, Kinross Gold, Toronto, ON, Canada
- 9:30 AM Eagle's Nest: the Discovery and Geology of a Magmatic Ni-Sulfide Deposit Under Overburden in the James Bay Lowlands of Ontario, Canada: *Jim Mungall**, University of Toronto, Toronto, ON, Canada; *John Harvey*; *Steven Balch*; *James Atkinson* and *Michael Hamilton*
- 10:00 AM Break
- 10:30 AM Exploration, Discovery and Geology of the Nachingwea Area Ntaka Hill Nickel Sulfide Deposits: A Potential New Proterozoic Nickel District in the Mozambique Belt of Tanzania: *Patricia Tirschmann**, *S. C. MacDougall*, and *G. R. Katchen*, Continental Nickel Ltd., Oakville, ON, Canada
- 11:00 AM Progress in Understanding the Evolution of Nickel Laterites: *Paul Golightly**
- 11:30 AM Characterization of Hydrothermal Alteration Assemblages Associated with 'Low-Sulfide' Footwall Cu-Ni-PGE Mineralization (North and East Ranges, Sudbury Structure, Canada): *Györgyi Tuba**, Eötvös Loránd University, Budapest, Hungary
- Noon Lunch (Columbine Ballroom)

TUESDAY PM, OCTOBER 5

URANIUM SESSION

1:30 -5:30 PM - Shavano/Red Cloud

Session Chair: David Burrows, Vale Exploration Canada, Sudbury, ON, Canada

- 1:30 PM Recent Advances in Uranium Metallogenic Models and Exploration Techniques in Last 10 Years: *David Burrows**, Vale Exploration Canada, Sudbury, ON, Canada
- 2:00 PM Recent Exploration Successes by Cameco in the Athabasca Basin: *Charles Roy**
- 2:30 PM Genesis of the Wyoming Uranium Province: *William Boberg**, Ur-Energy Inc., Littleton, CO
- 3:00 PM Break
- 3:30 PM The Discovery of the Phoenix Zone: A New High-Grade, Athabasca Basin Unconformity Uranium Deposit, Saskatchewan, Canada: *William Kerr** and *Roger Wallis*, Roger Wallis and Assoc., Etobicoke, ON, Canada
- 4:00 PM Geology and Mineralization of the Recently Discovered Rossing South Uranium Deposit in Namibia: *Martin Spivey**, *Andrew Penkethman*, *Neal Culpan*
- 4:30 PM Uranium Mineralizations in Niger: *Florent Le Goux**
- 5:00 PM Geological Evolution and Exploration Geochemistry of the Boomerang Lake Unconformity-Type Uranium Prospect, Northwest Territories, Canada: *Steve Beyer**, Queen's University, Kingston, ON, Canada