

## **Bios – New Technologies in Exploration Mini Symposium**

### **Participants**

April 3, 2018

### **Speakers**

#### **Dr. Ross Sherlock**

Director of MERC

Chair of Exploration Targeting, Laurentian University

Dr. Ross Sherlock joined Harquail School of Earth Sciences at Laurentian University in August 2017 as a Chair in Exploration Targeting and the Director of MERC. Ross is a professional geologist with over 28 years of experience in the mining industry and academic research. His career has spanned junior and senior mining companies, consulting and government surveys working nationally and internationally. Most recently Ross was Vice President, Geoscience at Kinross Gold Corp. and Exploration Manager, North America at Gold Fields.

Ross completed a Post-Doctoral Fellowship at the Mineral Deposits Research Unit at UBC, PhD at the University of Waterloo, MSc at Lakehead University, and BSc (Honours) at McMaster University, Canada. He is a member of the Professional Engineers and Geoscientists of BC and Association of Professional Geoscientists of Ontario (APGO).

Ross' research interests revolve around precious and base metal mineral systems. Mainly examining the structural and stratigraphic controls on mineralization and how these fit into the evolution of the host terrane. My research is pragmatic and oriented to exploration problems and typically funded through exploration companies.

#### **Dr. Bill Davis**

Section Head, Geochronology, Natural Resources Canada

Dr. Bill Davis is a research scientist and Head of the Geochronology and Isotope Geochemistry section at the Geological Survey of Canada, Natural Resources Canada, Ottawa. Dr Davis is a specialist in U-Pb geochronology with extensive experience in key technologies, including SHRIMP ion microprobe, thermal ionisation mass spectrometry and multi-collector ICP-MS. His research applies geochronological and isotopic techniques to calibrate and model crustal tectonic processes and associated ore deposits, particularly in the Precambrian. Current projects involve the use of microscopic (<20 µm) accessory phosphate minerals, such as apatite, monazite and xenotime, to directly date hydrothermal alteration assemblages associated with paleofluid flow events in uranium and orogenic gold systems.

**Dr. Kirk Ross,**

XRF Geochemist, Boart Longyear

Dr. Kirk Ross is responsible for the management, training and execution of Boart Longyear's TruScan XRF trailer system. This includes introducing the TruScan system to the mining and exploration communities globally. He is currently refining the geochemical capabilities of the TruScan system and devising methods to best apply data from this new technology to new and existing mining and exploration projects. Kirk has over 20 years in mineralogy and mineral analytical techniques. The majority of his experience is in the calibration, maintenance, and operation of LA-ICP-MS, SEM-EDS, EPMA-EDS/WDS, XRD, Raman, IR and XRF-EDS equipment. He has worked for both Laurentian and Lakehead Universities as a research associate in mineralogy in addition to managing and operating the privately owned Ross Petrology consulting agency. Kirk has an honours Bachelor of Science and Master of Science degrees in geology and mineralogy from Lakehead University, and a PhD in trace-element mineral-chemistry from Laurentian University. He completed a post-doctoral degree in a novel, optically-based gold detection method.

**Gordana Slepcev**

Chief Operating Officer, Anaconda Mining

Gordana is the Chief Operating Officer of Anaconda Mining and is responsible for managing all operational aspects of the company and plays an integral role in tactical matters such as permitting and mine development of the Point Rousse and the Goldboro Project. Prior to her promotion, she was the Vice President of Technical Services and was directly responsible for overseeing the mining and geology departments at the Point Rousse Project in Newfoundland. In addition to a focus on delivering long- and short-term planning and geological support of the mining operation, she is also heavily involved in strategic planning and project expansion evaluations.

With a Master's Degree in Science and a Bachelor's Degree in Mining Engineering from the Yugoslavia (Belgrade) Faculty of Mining and Geological Engineering, combined with more than twenty years of experience in mining base metals, coal and gold, Ms. Slepcev brings invaluable industry expertise to Anaconda projects. In addition to Anaconda Mining, she has held senior roles at Labrador Iron Mines Holdings, Agrium Inc. and Western Coal Corp. Gordana is a registered professional engineer in the provinces of Ontario, Newfoundland and Labrador and Nova Scotia.

**Dr. Adrian Martinez**

Senior Resource Geologist, CSA Global

Adrian is both a geologist and a geostatistician. He produces open source software for geostatistics and mineral resources in Python, Fortran, Cython, C and SQL. He has worked as a consultant since 2002 covering many commodities including gold, copper, nickel, chromium, and raw material for cement industry.

Adrian has considerable experience using multiple indicator kriging for resource estimation of gold deposits with high nugget and domaining issues; with non-linear geostatistics and with conditional simulations for resource estimation and model validation.

Adrian has previously worked as an Assistant Professor in Cuba and Ethiopia, teaching geology and geostatistics.

**Rob Gordon,**

Geophysicist & Manager Marketing, Quantec Geoscience