

Time	Authors	Organizations	Title
8:30 – 9:00 <i>Breakfast</i>			
9:00 – 9:10 <i>Opening Remarks</i>			
Session 1: New Developments, Chairs: TBA			
9:10 – 9:30	Lee Zayonce	De Beers - Exploration Canada	Autonomous Ground Gravity Trial Survey
9:30 – 9:50	Michael S Zhdanov and Michael Jorgensen	University of Utah and Technolmaging	Joint inversion of the gravity gradiometry and magnetic data in the Ring of Fire, Ontario, using the probabilistic Gramian
9:50 – 10:10	Ben Polzer	Novaminex	Electromagnetic Modelling of Thin Conductors of Complex Shape
10:10 – 10:30	Yasaman Nemati, J. Christian Dupuis, Bernard Giroux, Richard Smith	Université Laval, Department of Geology and Geological Engineering, Institut national de la recherche scientifique, E.T.E., Laurentian University, Harquail School of Earth Sciences	Petrophysical signatures and mineral endowment: The Piché group, Rouyn-Noranda, Quebec
10:30 – 10:55 <i>Coffee break</i>			
Session 2: Open-Source Tools, Chairs: TBA			
11:00 – 11:20	Santiago R. Soler, Lindsey J. Heagy	Department of Earth, Ocean and Atmospheric Sciences, University of British Columbia	Fatiando a Terra: Open-source tools for geophysics
11:20 – 11:40	Joseph Capriotti, Lindsey J. Heagy, Devin Cowan, John Kuttai, Seogi Kang, Dominique Fournier, Thibaut Astic, Rowan Cockett, Doug W. Oldenburg	University of British Columbia, Geophysical Inversion Facility, Stanford University, Stanford Environmental Geophysics Group, Mira Geoscience Ltd., KoBold Metals, Curvenote	Ten years of SimPEG - Recent developments and the next steps forward
11:40 – 12:00	Scott R. Napier, Dominique Fournier, Filipa Luz, Kris Davis	Mira Geoscience, Almina - Minas do Alentejo, S..A.	3D Time Domain Inversion of Ground Electromagnetic Data with Open-Source SimPEG; A Case Study for SimPEG Applications to VMS Exploration in the Iberian Pyrite Belt
12:00 – 12:20	Sean Walker, Kit Campbell	Campbell & Walker Geophysics Ltd.	FTMG from a consultant's perspective
12:20 – 13:25 <i>Lunch</i>			
Session 3: AI/ML and Critical Minerals Exploration, Chairs: TBA			
13:30 – 13:50	Karl Kwan, Jean Legault	Geotech LTD	Gold targeting using structural complexity, self-organizing map and supervised deep neural network: An airborne magnetic case study from the Red Lake camp, Superior Province, Ontario, Canada
13:50 – 14:10	James A. Craven, Xiaojun Liu, Victoria Tschirhart	Geological Survey of Canada	A Conservative Approach to Inversion with AI
14:10 – 14:30	Blake Cross, Hannah Peterson	Condor Consulting	A comparison of airborne geophysical data over two magmatic nickel deposits
14:30 – 14:50	Tim Munday, Mike McMillan, Rod Paterson, Camilla Soerensen	Deep Earth Imaging FSP, Computational Geosciences Inc, Intrepid Geophysics, Aarhus Geosoftware	AEM modelling and system options in the search for critical mineral systems in a regolith dominated environment – the Musgrave Province, Central Australia.
14:50 - 15:15 <i>Coffee break</i>			
Session 4: Case Histories, Chairs: TBA			
15:20 – 15:40	José Antonio Rodríguez, Mehran Gharibi	Quantec Geoscience Limited	Geophysical signatures in high enthalpy geothermal explorations using 3D MT survey
15:40 – 16:00	Alexander Prikhodko	Expert Geophysics Limited	Recovering exploration models patterns with airborne total field passive electromagnetics
16:00 – 16:20	William J. Scott	GeoScott Exploration Consultants	Airborne GPR Survey for Bathymetry, Muskrat Falls, Labrador
16:20 – 16:40	Alireza Malehmir, Magdalena Markovic, Myrto Papadopoulou, Paul Marsden	Uppsala University, Nordic Iron Ore	Establishment of a hardrock seismic test site in central Sweden
16:40 – 16:50 <i>Closing Remarks</i>			
16:50 – 18:00 <i>Reception</i>			