

Time	Authors	Organizations	Title
8:00 – 9:00 <i>Breakfast</i>			
9:00 – 9:10 <i>Opening Remarks</i> - Farzaneh Farahani, President of KEGS			
Session 1: New Developments Chairs: Alireza Malehmir, Uppsala University, Farzaneh Farahani, KEGS President			
9:10 – 9:30	¹ Lee Zayonce*, ¹ Richard Chow, ² Richard Lachapelle	¹ De Beers Group Exploration, ² Scintrex Limited	Autonomous Ground Gravity Trial Survey
9:30 – 9:50	Michael S Zhdanov*, Michael Jorgensen	University of Utah and TechnoImaging	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	Nova Mining Exploration Solutions (Novaminex)	Electromagnetic Modelling of Thin Conductors of Complex Shape
10:10 – 10:30	¹ Yasaman Nemati*, ¹ J. Christian Dupuis, ² Bernard Giroux, ³ Richard Smith, ¹ Rita Rodrigues, ¹ Bertrand Rottier	¹ Université Laval, Department of Geology and Geological Engineering, ² Institut national de la recherche scientifique, E.T.E. ³ 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: Skyler Mallozzi, Paterson Grant and Watson Ltd., Kanita Khaled, KEGS Past-President			
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	¹ Joseph Capriotti*, ¹ Lindsey J. Heagy, ¹ Devin Cowan, ¹ Johnathan Kuttai, ² Seogi Kang, ³ Dominique Fournier, ⁴ Thibaut Astic, ⁵ Rowan Cockett, ¹ Douglas W. Oldenburg, and the SimPEG Team.	¹ University of British Columbia, Geophysical Inversion Facility, ² Stanford University, Stanford Environmental Geophysics Group, ³ Mira Geoscience Ltd. ⁴ KoBold Metals, ⁵ Curvenote Inc.	Ten years of SimPEG - Recent developments and the next steps forward
11:40 – 12:00	¹ Scott R. Napier*, ¹ Dominique Fournier, ² Filipa Luz, ¹ Kris Davis	¹ Mira Geoscience, ² 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	¹ Sean Walker*, ² Kit Campbell	¹ Campbell & Walker Geophysics Ltd, ² Campbell & Walker Consultants Ltd	FTMG from a consultant's perspective
12:20 – 13:25 <i>Lunch</i>			
Session 3: AI/ML and Critical Minerals Exploration Chairs: Alzbeta Ondercova, Expert Geophysics Limited, Darren Burrows, KEGS Secretary-Treasurer			
13:30 – 13:50	Karl Kwan, Jean M. Legault* Geotech Ltd	Geotech Ltd	Targeting concealed orogenic gold mineralization using aeromagnetic data: A case study from the Red Lake camp, Superior Province, Ontario, Canada
13:50 – 14:10	Stephen Hallinan*, Wolfgang Soyer, Carsten Scholl, Randall Mackie, Tom Kimura, Friedemann Samrock	CGG Multiphysics	Recent developments in integrated electromagnetics 3D inversion
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	¹ Tim Munday*, ² Mike McMillan, ³ Rod Paterson, ⁴ Camilla Soerensen, ⁵ Noelene Dorn	¹ Deep Earth Imaging FSP, CSIRO, ² Computational Geosciences Inc., ³ Intrepid Geophysics, ⁴ Aarhus Geosoftware, ⁵ ElectroMagnetic Imaging Technology Pty Ltd	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: Jenna McKenzie, Ronacher McKenzie Geoscience, Peter Tschirhart, KEGS Vice-President			
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	¹ Alireza Malehmir*, ¹ Magdalena Markovic, ¹ Myrto Papadopoulou, ² Paul Marsden	¹ Uppsala University ² Nordic Iron Ore	Establishment of a hardrock seismic test site in central Sweden
16:40 – 16:50 <i>Closing Remarks</i> – Peter Tschirhart, Vice President of KEGS			
16:50 – 18:00 <i>Reception</i>			

*Presenter

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