	Australasian Exploration Geoscience Conference 2023 MONDAY 13 March 2023 - SATURDAY 18 March 2023 Brisbane Convention & Exhibition Centre										
	As at 15 March 2023										
	Monday, 13 March 2023										
07:30	P1	P2	Registratio	P4	P5	Offsite					
Room	PT Workshop 1	P2 Workshop 2	Workshop 3	P4 Workshop 4	P3 Society Committee Meetings as required	Workshop 5					
08:30	Mineral Exploration Management. What are the priorities?	B-Field Technologies	Scaling MT acquisition, processing, interpretation, and people	Applied machine learning for geoscientists	Society Committee Meetings as required	Unlocking the Value of Structural Geology in Mining, Exploration & 3D Modelling Day 1					
10:30			Morning	g Tea							
11:00	Mineral Exploration Management. What are the priorities?	B-Field Technologies	Scaling MT acquisition, processing, Applied machine learning for interpretation, and people geoscientists		Society Committee Meetings as required	Unlocking the Value of Structural Geology in Mining, Exploration & 3D Modelling Day 1					
12:30			Lunc	ch							
13:30	Mineral Exploration Management. What are the priorities?	B-Field Technologies	Scaling MT acquisition, processing, interpretation, and people	Applied machine learning for geoscientists	Society Committee Meetings as required	Unlocking the Value of Structural Geology in Mining, Exploration & 3D Modelling Day 1					
15:00			Afternoo	n Tea							
15:30	Mineral Exploration Management. What are the priorities?	B-Field Technologies	Scaling MT acquisition, processing, interpretation, and people	Applied machine learning for geoscientists	Society Committee Meetings as required	Unlocking the Value of Structural Geology in Mining, Exploration & 3D Modelling Day 1					
17:00			End of	Day							

Australasian Exploration Geoscience Conference 2023 MONDAY 13 March 2023 - SATURDAY 18 March 2023 Brisbane Convention & Exhibition Centre

As at 15 March 2023

	Tuesday, 14 March 2023									
07:30	Registration Open									
Room	M1	M2	M3	M4	P1	P2	P3	P4	P5	Offsite
	Workshop 1	Workshop 2	Workshop 3	Workshop 4	Workshop 5	RTS Course	Society Committee Meetings as required	Society Committee Meetings as required	Society Committee Meetings as required	Workshop 6
08:30	Exploration for Natural Hydrogen	Geological Interpretation of Aeromagnetic Data	Passive Seismic – a tool for early stage exploration	Open source Geophysical Processing using Python and Geoscience ANALYST	Back to the New Basics	RTS Course	Society Committee Meetings as required	Society Committee Meetings as required	Society Committee Meetings as required	Unlocking the Value of Structural Geology in Mining, Exploration & 3D Modelling Day 2
10:30						Morning Tea				
11:00	Exploration for Natural Hydrogen	Geological Interpretation of Aeromagnetic Data	Passive Seismic – a tool for early stage exploration	Open source Geophysical Processing using Python and Geoscience ANALYST	Back to the New Basics	RTS Course	Society Committee Meetings as required	Society Committee Meetings as required	Society Committee Meetings as required	Unlocking the Value of Structural Geology in Mining, Exploration & 3D Modelling Day 2
12:30						Lunch				
13:30		Geological Interpretation of Aeromagnetic Data	Passive Seismic – a tool for early stage exploration	Open source Geophysical Processing using Python and Geoscience ANALYST	Back to the New Basics	RTS Course	Society Committee Meetings as required	Society Committee Meetings as required	Society Committee Meetings as required	Unlocking the Value of Structural Geology in Mining, Exploration & 3D Modelling Day 2
15:00		- -				Afternoon Tea				
15:30		Geological Interpretation of Aeromagnetic Data	Passive Seismic – a tool for early stage exploration	Open source Geophysical Processing using Python and Geoscience ANALYST	Back to the New Basics	RTS Course	Society Committee Meetings as required	Society Committee Meetings as required	Society Committee Meetings as required	Unlocking the Value of Structural Geology in Mining, Exploration & 3D Modelling Day 2
Room		-				Exhibition Hall				
17:00- 18:30					w	elcome Reception				

					Exploration Geoscience Conference						
	Brisbane Convention & Exhibition Centre										
	As at 15 March 2023										
07:00	Wednesday, 15 March 2023 Registration and Exhibition Open										
Room					M3 + M4						
08:15				AE	Plenary EGC 2023 Official Opening Ceremony						
08:20		AEGC 2023 Official Opening Ceremony Welcome to Country and Welcome to Delegates									
08:30	Opening Address - Queensland's Role in Our Energy Future Minister for Resources The Hon Scott Stewart MP										
08:40		Exploration Initiatives in Queensland Tony Knight, Chief Government Geologist									
9:00					e 1: More than Ore: The future of geophysics in Michelle Thomas	-					
9:40				Plenary Keynote	e 2: Women in Geoscience - fixing the Leaky F Teresa Ubide Garralda	Pipeline					
):30					Morning Tea Plenary						
1:00				Plenary Keynote	3: Geophysics at Newmont - Past, Present an Greg Walker	d Future					
1:40				s	Society Awards and Announcements						
:30					Lunch Break						
oom	M1 Petroleum 1 - Seismic Velocity Model Building Chairperson: Andrew Long	M2 Petroleum 2 - Unconventional Hydrocarbon Exploration Chairperson: Boris Gurevich	M3 Minerals Keynotes	M4 Petroleum 3 - New Regional Concepts for Exploration: Offshore Case Studies Chairperson: Victorien Paumard	P1 ASEG Publications Meeting	P2 Near-Surface 1 - Engineering and Geotechnical Geophysics 1 Chairperson: Takeshi Sato	P3 GGSSA AGM	P4 + P5 Geoscience Education - Status of Tertiary Geoscience Education			
3:30	Chairperson, Andrew Long	45: Data analysis and interpretation of well logs in NDI Carrara 1, Northern Territory Liuqi Wang	Stream Keynote 1: The next generation of surface geochemistry; understanding what that means for covered exploration - a	194: Recent Exploration in the Timor-Leste frontier Randall Taylor		41: Shear-Wave Seismic Reflection Case Study For Use In The Provision Of Shallow Seismic Profiles For Geotechnical Investigations Taylor Willick		13:30: Overview of Tertiary Geoscience Education in Australia - AGTEP 2021 David Cohen			
3:50	181: Nonlinear LS-RTM based on seismic scale separation and full wavefield multi- parameter FWI Andrew Long	85: Impact of kerogen thermal maturity on rock-physics modelling of Toolebuc formation Partha Pratim Mandal	Newmont perspective. Simon Marshall	53: Controls on shelf-margin architecture and sediment partitioning in the Hammerhead shelf-margin (Bight Basin, southern Australia): Quantitative 3D seismic stratigraphy (QSS) John Shepherd	n ASEG Publications Meeting	121: 3D Bedrock Model Utilising Multi- channel Analysis of Surface Waves to Assist the Land Development Industry in Greater Melbourne, VIC. Tavis Lavell	GGSSA AGM	13:45: Challenges for university geoscience departments Luke Nothdurft, Craig O'Neill			
4:10	210: Seismic uncertainty analysis from the Pinhoe model building study Yuelian Gong	223: Unlocking the Canning Basin: Gas Resources for Western Australia Jarvis Moore	Stream Keynote 2: Keynote Recipe for Sedimentary-Basin Associated Copper Deposits.	38: Quantitative, multi-scale characterization of modern depositional analogues of dryland deltas in response to increasing tidal range (Gascoyne, Ashburton & De Grey river deltas, Western Australia). Simon Lang		42: MASW and Microgravity – a novel approach to investigating Karstic features in a large Tailings Storage Facility. Aaron Tomkins, Benjamin Thomas		14:10: Graduate quality & quantity: Minerals, Hydrogeology, Geophysics, Ener Ned Howard, Chris Dickinson, Kate Selway, Helen Debenham			
:30	17: Data integration to quantify structural risk and GRV uncertainties over the western flank of the Cooper Basin Diogo Soares Cunha	174: Future exploration opportunities targeting Permian reservoirs on the western side of the southern Bowen Basin. Mel Wilkinson	Bert de Waele	191: Landscape and basin evolution modelling elucidates sediment supply and accommodation relationships in the Cretaceous Crayfish Sub-group of the Otway Basin. Matt Boyd	,	160: Application of high-resolution airborne EM and magnetic data for geotechnical information over tailings facilities, examples from the Quadrilatero Ferrifero area, Brazil Darren Burrows		14:45: Results of the AIG NGG survey "What industry wants" Katherine Gioseffi			
:00					Afternoon Tea	•					
oom	M1	M2	M3	M4	P1	P2 Near Surface 2 - Engineering and	P3 Minerals 5 - Airborne Gravity /	P4 + P5			
	Minerals 1 - IOCG Gawler	Minerals 2 - Critical Metals	Petroleum Keynotes	Minerals 3 - Regional AEM Developments	Minerals 4 - Geochemistry Applications	Geotechnical Geophysics 2	Gradiometry	Geoscience Education - Future Directions			
	Chairperson: Kathy Erhig 28: Monazite Chemistry for IOCG and ISCG	Chairperson: Tim Munday 122: TIMA and LIBS automated techniques for the mineralogical characterisation of Li-	Chairperson: Andrew Long	Chairperson: Andrew Kng 77: NSW's largest geophysical acquisition	Chairperson: Dale Sims 193: Using automated mineralogy to define indicator mineral signatures around the	Chairperson: Takeshi Sato, Simon Williams 21: Laterite resource definition through	Chairperson: Michael Asten 83: Exploring for Minerals under Murray Basin Cover with Airborne Gravity	15:30: Australian Geoscience Council Student Survey - aims, methods, progre			
5:30	Exploration Travis Batch	Cu-Ni battery metals. Zofia Swierczek	Stream Keynote 3: A New Paradigm for Seismic Data Processing Using Machine Learning	campaign Astrid Carlton	Julimar nickel-copper-PGE project, Western Australia Alexander Walker	geophysics Chris Wijns	Gradiometry Luke Titus	report David Cohen			
5:50	133: Geophysical synthesis of Iron-Oxide Copper Gold mineralisation: The influence of protolith, rheology, structural control and redox. James Austin	216: Whole rock geochemistry and hyperspectral mineralogy of Western Australian LCT pegmatites Carsten Laukamp	Tariq Alkhalifah (Pre-Recorded)	84: Revisiting legacy AEM data to generate new exploration opportunities in areas of outcrop or thin cover Andrea Viezzoli	288: AusGeochem Data Platform: Easily Visualise and Synthesise Data for Exploration Bryant Ware	263: Loupe Surveys for Mineral Exploration and TSF Study Andrew Duncan	125: Falcon vs FTG - Estimating Precision and Accuracy of Airborne Gravity Gradiometers Chris Van Galder	15:45: Future Directions for tertiary geoscience education – a case study Jessica Trofimovs			
i:10	170: The tectono-stratigraphy of the Emmie Bluff/Oak Dam IOCG deposits: Exploring step-change ideas to expedite discovery John Anderson	235: Mineralogical characterisation of Lithium-Caesium-Tantalum pegmatites and implications for process optimization Martin Wells	Stream Keynote 4: Shelf-to-basin sediment transfer mechanisms in contrasted tectonic	136: AusAEM is the world's largest airborne electromagnetic (AEM) survey undertaken A. Yusen Ley-Cooper	243: Isotope and geochemical fingerprinting of placer gold: insights into the provenance and age Svetlana Tessalina	79: Mapping historical tailings dams using electrical resistivity tomography: a case study from the Tommy Burns mine, North Queensland James Daniell	166: Evaluation of a survey style absolute quantum gravimeter Silvana Palacios	16:00: Models for post-tertiary and postgraduate specialist training: Nexus (<i>pre-recorded</i>), MTEC Masters' Program (pre-recorded), Camp for Applied Geophysics Excellence, The NCEA Challenge, EGRU Professional Development Program Richard Lilly, Rob Scott, Kate Selway, David Pratt, Kaylene Camuti			
:30	240: Improving predictive modelling of magnetite and gangue mineral content for IOCG and BIF deposits using hyperspectral data and controlled mixtures Heta Lampinen	274: Field Portable Analytical Options for Critical Minerals: Current Capabilities, Future Directions. Andrew Somers	and climatic settings: Insights from quantitative 3D seismic stratigraphy Victorien Paumard	253: Leveraging the value of historical AEM datasets with quantitative inversion Shane Mulè	92: Finding greenfield areas in the brownfield geochemical database, Queensland Joseph Tang	18: Monitoring the Mobility of Heavy Metals and Risk Assessment in Mine-affected Soils after Stabilization Jaeyoung Choi		16:25: Panel Discussion: "Where to from here?" Helen Debenham, Kate Selway, Luke Nothdurft, Sarah Gooley, Matthew Heskett			
oom 7:00-					P3 IAGSA Meeting						
20:00 200m					Exhibition Hall						
7:00					Happy Hour Poster Session						
8:00				Fortescu	e Metals Group Early Career Network Even	t					

	Australasian Exploration Geoscience Conference 2023 MONDAY 13 March 2023 - SATURDAY 18 March 2023 Brisbane Convention & Exhibition Centre As at 15 March 2023								
	Thursday, 16 March 2023								
07:30 Room	M1	M2	M3	Regi M4	stration and Exhibition Open P1	P2	P3	P4+P5	
	Minerals 6 - AEM Methods	Minerals 7 - Deep Crustal Studies		Near Surface Keynotes	Minerals 8 - Quantitative / ML Geology	Petroleum 4 - Exploration Insights into the Southern Margins of Australia	Petroleum 5 - Seismic Data Processing	Wall-Hinman Symposium 1	
09:00	Chairperson: Astrid Carlton 64: Application of natural field airborne electromagnetics in conductive geo- environments Alexander Prikhodko	Chairperson: Ned Stotz 107: A new approach to imaging deep crustal structures across passive continental margins: Revisiting the crustal architecture of Southeast Australia's passive margin Chibuzo Chukwu	High School Student Session 1	Chairperson: Alexander Costall Stream Keynote 5: Applications of Passive Seismic Imaging & Monitoring Across Scales.	Chairperson: Dale Sins 184: Characterisation of metavolcanic megaclast structures within the Moyston Fault hangingwall mélange (Moornambool Metamorphic Complex), western Victoria: Insights from potential field modelling and machine learning. Tom McNamara	Chairperson: Andrew Long 95: Towards a regional understanding of Sherbrook Supersequence Gross Depositional Environments, offshore Otway Basin Steve Abbott	Chairperson: Shaun Strong 103: Next Generation Land Processing Gives Confidence in Old Basin Graeme Eastwood	Chairperson: Kaylene Camuti 310: In memory of Vic Wall, an outstanding geologist Nicholas Oliver	
09:20	102: Fixed-wing vs helicopter AEM systems: A Bayesian resolution analysis Anandaroop Ray	265: Insights into the deep crust across the Delamerian and Lachlan Orogens derived from new magnetotelluric data Stephan Thiel		Saygin Erdinc	39: Cause-and-effect of plate motion and crustal thickening using time-series analysis and data analytics Alex Farrar	98: Petroleum system modelling of the deep- water Otway Basin Oliver Schenk	209: Unveiling the Seismic Image Beneath Volcanics In The Bass Basin Shiping Wu	Mineral Systems and career discussions with Vic Wall (a video recorded in 2017). Greg Hall	
09:40	35: How many layers? A Bayesian Occam's Razor Andrew King	261: The nature of the Carpentaria Conductivity Anomaly Janelle Simpson		Stream Keynote 6: Geophysics in the	262: Quantification of crystal size distribution in volcanic rocks with machine-learning image analysis: Mt Read Volcanics, Tasmania. Martin Jutzeler	131: Marked Depositional and Organic Facies Change across the Paleocene- Eocene in the Gippsland Basin, Australia Gregory Smith	99: Leveraging legacy data: An onshore reprocessing case study from the Bowen Basin Nigel Seymour	306: Mark Hinman's Pencil Case Geoff Phillips	
10:00		78: The Delamerian NDI: Linking South and eastern Australia. Tom Wise		Antarctic: reflections and futures. Adrian McCallum	227: Using machine learning to generate an alternative geological interpretation Steven Sullivan	215: Resolving basement crustal architecture and extensional tectonics using 3D inversion modelling of airborne gravity data in the Otway Basin region, Victoria. Mark Mclean	267: Velocity Scan Migrations: A Valuable Addition to the Seismic Interpreter's Toolkit Peter Hoiles	297: Experimental petrology applications to mineral processing Mark Pownceby	
10:30					Morning Tea				
Room	M1 Minerals 9 - AEM Modelling	M2 Near-Surface 3 - Regional	M3	M4 Petroleum Keynotes	P1 Minerals 10 - Large Datasets and	P2 Minerals 11 - WA Provinces - Regional	P3 Minerals 12 - New methods /	P4+P5 Wall-Hinman Symposium 2	
	Chairperson: Yusen Ley-cooper	Hydrogeophysics and Basin Systems Chairperson: Anandaroop Ray		Chairperson: Andrew Long	Machine Learning Applications Chairperson: Steve Kuhn	Studies Chairperson: Mark Lowe	Technologies Chairperson: Peter Caristo	Chairperson: Helen Debenham	
11:00	90: Enhancements to deterministic AEM inversion through better geometry constraints and a bunch-by-bunch algorithm Ross Brodie	165: Trusted environmental and geological information – stratigraphic frameworks for resource and hydrogeological assessments Carmine Wainman		Stream Keynote 7: Technology and Teamwork for Leveraging the Digital	94: Critical mineral prospectivity mapping on the Gawler craton using a new machine learning framework Ehsan Farahbakhsh	68: AEM Survey maps connection between the Carnarvon Basin and the Capricorn Orogen Ned Stolz	186: Application of 2D, 3D and in-situ techniques in quantitative characterisation and dating of sedimentary rocks Zhen Li	299: Volato-thermal processes in Archean Au systems: Implications for Earth Metallogeny John Walshe	
11:20	132: 3D EM Inversion of UTEM Data to Recover Highly-Conductive Targets Devin Cowan	71: An integrated geophysical method approach to evaluating managed aquifer recharge potential in the Pilbara Nathan Tabain	High School and Student Session 2	Revolution & Navigating Energy Transition Sandeep Chandola	178: Mantle to Mine: An integrated Machine Learning, Minerals Systems and Geomechanical Approach to Copper and Gold Exploration John Mclellan	154: Insights into the Anketell and West Barnicarndy Faults, Paterson Province, using reprocessed legacy seismic data Helen Anderson	260: Application of Time-of-Flight Secondary Ion Mass Spectrometry to the Geosciences William Rickard	Thermal Aureole Gold Model Update. Greg Hall	
11:40	147: 3D inversion of Airborne EM using airborne magnetics as a structural guide Carsten Scholl	22: Development of a new basin-wide 3D hydrogeological model of the Great Artesian Basin for groundwater assessment Andrew Mcpherson			Stream Keynote 8: A seismic source field trial in the Bass Strait: testing the impact of several different source configurations on	188: Al/ML to Unlock Potential of "Dormant Data" of Rock Chips Marina Pervukhina	196: Integration of regional scale geophysical data to generate a 3D geological model of the Paterson Province Antonio Huizi	217: Automating Feature Extraction from Model Ensembles Produced by Probabilistic Geophysical Inversion Gerhard Visser	311: Intrusive controversies and regional 3D targeting for TAG and IOCG mineralisation Richard Valenta
12:00	214: Airborne and Ground Induced Polarization integration: new insights for exploration Francesco Dauti	205: investigation Of Coastal Perth Basin North For Jurien Bay Town Water Supply With Airborne Electromagnetics Karen Gilgallon		geophysical quality, received sound and direct impact on scallops and lobsters Jon Cocker	232: Integration by design: A novel approach to the Multimodal "Big Data" Conundrum in Geoscience James Austin	270: Southern Canning Basin, Western Australia - Insights from public airborne electromagnetic data James Reid	142: Semi-automated identification of regolith/basement interfaces using hyperspectral and geochemical data: a MinEx CRC project Hamid Zekri	Discussion	
12:30- 13:30 Room			P3		Lunch		P5		
12:30-	30- ASEG Council Meeting ASEG Council Meeting								
13:20			ASEG Council Meeting				ASEG Research Founda		
	M1 Minerals 13 - Geophysical Case Studies 1 Chairperson: Mark Lackie	M2 Near-Surface 4 - Environmental Geophysics and Groundwater Applications Chairperson: Aaron Tomkins	ASEG Council Meeting M3	M4 Minerals 14 - Sediment Hosted Copper Studies Chairperson: Bert De Waele	P1 Petroleum 6 - Seismic AVO Analysis and Inversion 1 Chairperson: James Parsons	P2 Petroleum 7 - DAS and Passive Seismic 1 Chairperson: Roman Pevzner	ASEG Research Found P3 Minerals 15 - Developments in Downhole Geoscientific applications Chairperson: Jessica Stromberg	tion P4+P5 Wall-Hinman Symposium 3 Chairperson: Ned Howard	
13:20 Room	Minerals 13 - Geophysical Case Studies 1	Near-Surface 4 - Environmental Geophysics and Groundwater Applications	-	Minerals 14 - Sediment Hosted Copper Studies	Petroleum 6 - Seismic AVO Analysis and Inversion 1	Petroleum 7 - DAS and Passive Seismic 1 Chairperson: Roman Pevzner	P3 Minerals 15 - Developments in Downhole Geoscientific applications	P4+P5 Wall-Hinman Symposium 3	
13:20 Room 13:30	Minerals 13 - Geophysical Case Studies 1 Chairperson: Mark Lackie 54: Uranium exploration in the Athabasca Basin using low-noise airborne gravity gradient data	Near-Surface 4 - Environmental Geophysics and Groundwater Applications Chairperson: Aaron Tomkins 83: Electrical imaging of soutie transport dynamics to understand nutrient transport from flat agricultural landscapes	-	Minerals 14 - Sediment Hosted Copper Studies Chairperson: Bert De Waele 6: Sedimentary Copper Deposits : Which basin is hiding the next Big Copper Belt	Petroleum 6 - Seismic AVO Analysis and Inversion 1 Chairperson: James Parsons 19: Direct hydrocarbon indications from fluid contacts - stop calling them "flatspots"	Petroleum 7 - DAS and Passive Seismic 1 Chairperson: Roman Pevzner 295: Passive Microseismic in the Canning Basin – Direct Hydrocarbon sensing Helen Debenham	P3 Minerals 15 - Developments in Downhole Geoscientific applications Chairperson: Jessica Stromberg 11: UCS while drilling - actionable orebody intelligence for mining efficiency improvement.	P4+P5 Wall-Hinman Symposium 3 Chairperson: Ned Howard 303: The Radiogenic Nature of Intrusions Related to Proterozoic Thermal Aureole Gold and other 'oddilies' In Proterozoic tectonics.	
13:20 Room 13:30 13:30	Minerals 13 - Geophysical Case Studies 1 Chairperson: Mark Lackie 54: Uranium exploration in the Athabasca Basin using low-noise airborne gravity gradient data Darren Burrows 72: Assessing future exploration potential of the Cobar District using integrated 3D geological modeling and geophysical inversion.	Near-Surface 4 - Environmental Geophysics and Groundwater Applications Chairperson: Aaron Tomkins 89: Electrical imaging of solute transport dynamics to understand nutrient transport from flat agricultural landscapes Lee Slater 255: Informing groundwater resource potential for mining a magnetite resource using regional scale exploration data – The Braemar Corridor in South Australia.	M3	Minerais 14 - Sediment Hosted Copper Studies Chairperson: Bert De Waele 6: Sedimentary Copper Deposits : Which basin is hiding the next Big Copper Belt Bruce Hooper 65: Sediment-hosted mineral potential mapping of Australia: Geoscience data integration for national-scale assessment	Petroleum 6 - Seismic AVO Analysis and Inversion 1 Chairperson: James Parsons Chairperson: James Parsons Seisen State Seasons Seasons	Petroleum 7 - DAS and Passive Seismic 1 Chairperson: Roman Pevzner 295: Passive Microseismic in the Canning Basin – Direct Hydrocarbon sensing Helen Debenham 247: Observation of vibroseis signature repeatability at the single location	P3 Minerals 15 - Developments in Downhole Geoscientific applications Chairperson: Jessica Stromberg 11: UCS while drilling - actionable orebody intelligene for mining efficiency improvement. Roger Griffiths 169: Drilling sensor systems for trajectory control toward a distant mineral target while drilling Aruni Rajanayake 206: Discriminating magmatic and	P4+P5 Wall-Hinman Symposium 3 Chairperson: Ned Howard 303: The Radiogenic Nature of Intrusions Related to Proterozoic Thermal Aureole Gold and other oddilies' In Proterozoic tectonics. Lesley Wyborn 307: Lithophile-Element Discriminants of Cu(-Au-Mo) Ore-Forming and Barren Arc Magmas	
13:20 Room 13:30 13:30 13:50	Minerals 13 - Geophysical Case Studies 1 Chairperson: Mark Lackie 54: Uranium exploration in the Athabasca Basin using low-noise airborne gravity gradient data Darren Burrows 72: Assessing future exploration potential of the Cobar District using integrated 3D geological modeling and geophysical inversion. Giovanni Pietro Tommaso Spampinato 175: Maximising value from aeromagnetics surveying in the pressing search for cleaner- energy and rare eath materials.	Near-Surface 4 - Environmental Geophysics and Groundwater Applications Chairperson: Aaron Tomkins 89: Electrical imaging of solute transport dynamics to understand nutrient transport from flat agricultural landscapes Lee Slater 259: Informing groundwater resource potential for mining a magnetite resource using regional scale exploration data – The Braemar Corridro in South Australia. Timothy Munday 126: Groundwater geochemistry as exploration tool through cover	M3	Minerals 14 - Sediment Hosted Copper Studies Chairperson: Bert De Waele 6: Sedimentary Copper Deposits : Which basin is hiding the next Big Copper Belt Bruce Hooper 65: Sediment-hosted mineral potential mapping of Australia: Geoscience data integration for national-scale assessment Arianne Ford 162: Mineral Systems Modeling – Opportunities and Solutions to De-Risk Green- and Brownfield Exploration	Petroleum 6 - Seismic AVO Analysis and Inversion 1 Chairperson: James Parsons 19: Direct hydrocarbon indications from fluid contacts - stop calling them "flatspots"] Jarrod Dunne 56: Maximizing value from available data via advanced Geostatistical Inversion in the Growler Field Alessandro Mannini 180: Seismic facies and rock properties prediction using Direct Probabilistic Inversion: case studies from Australian basins	Petroleum 7 - DAS and Passive Seismic 1 Chairperson: Roman Pevzner 295: Passive Microseismic in the Canning Basin – Direct Hydrocarbon sensing Helen Debenham 247: Observation of vibroseis signature repeatability at the single location Valeriya Shulakova 249: Analysis of teleseismic earthquakes on nodal seismic surveys.	P3 Minerals 15 - Developments in Downhole Geoscientific applications Chairperson: Jessica Stromberg 11: UCS while drilling - actionable orebody intelligence for mining efficiency improvement. Roger Griffiths 169: Drilling sensor systems for trajectory control toward a distant mineral target while drilling Aruni Rajanayake 206: Discriminating magmatic and hydrothermal processes in borehole data: implications for orogenic gold in Yilgam Craton, Western Australia	P4+P5 Wall-Hinman Symposium 3 Chairperson: Ned Howard 303: The Radiogenic Nature of Intrusions Related to Proterozoic Thermal Aureole Gold andrer 'oddines' in Proterozoic tectonics. Lesley Wyborn 307: Lithophile-Element Discriminants of Cu(-Au-Mo) Ore-Forming and Barren Arc Magmas Robert Loucks 298: Porphyry copper systems: From sulfide-saturated mantle source to an effective ore fluid	
13:20 Room 13:30 13:30 13:50 14:10 14:30 15:00	Minerals 13 - Geophysical Case Studies 1 Chairperson: Mark Lackie 54: Uranium exploration in the Athabasca Basin using low-noise airborne gravity gradient data Darren Burrows 72: Assessing future exploration potential of the Cobar District using integrated 3D geological modeling and geophysical inversion. Giovanni Pietro Tommaso Spampinato 175: Maximising value from aeromagnetics surveying in the pressing search for cleaner- energy and rare earth materials. Yvonne Wallace 248: Petrophysical properties of the Cobar Province: key deposits to better understand magnetisation Andreas Bjork	Near-Surface 4- Environmental Geophysics and Groundwater Applications Chariperson: Aaron Tornkins 89: Electrical imaging of solute transport dynamics to understand nutrient transport from flat agricultural landscapes from flat agricultural landscapes 255: Informing groundwater resource using regional scale exploration data – The Braema Corridor in South Australia. Timothy Munday 126: Groundwater geochemistry as exploration tool through cover Joseph Tang 199: Quantifying Subterranean Fauna Habitats And Geological Features Interconnections Maria Clara Lopes Paula	M3 High School Student Session 3	Minerals 14 - Sediment Hosted Copper Studies Chairperson: Bert De Waele 6: Sedimentary Copper Deposits : Which basin is hiding the next Big Copper Belt Bruce Hooper 65: Sediment-hosted mineral potential mapping of Australia: Geoscience data integration for national-scale assessment Arianne Ford 162: Mineral Systems Modeling – Opportunities and Solutions to De-Risk Green- and Brownfield Exploration Daniel Palmowski 273: Geochemical signatures of key mineral systems and deposit types in north Queensland, Australia Vladimir Lisitisin	Petroleum 6 - Seismic AVO Analysis and Inversion 1 Chairperson: James Parsons 19: Direct hydrocarbon indications from fluid contacts - stop calling them "flatspots"] Jarrod Dunne 56: Maximizing value from available data via advanced Geostatistical Inversion in the Growher Field Alessandro Mannini 180: Seismic facies and rock properties prediction using Direct Probabilistic Inversion: case studies from Australian basins Andre Eduardo Calazans Matos De Souza 189: The Practical Application of Wave Equation Based AVO Inversion John Coffin Afternoon Tea	Petroleum 7 - DAS and Passive Seismic 1 Chairperson: Roman Pevzner 295: Passive Microseismic in the Canning Basin – Direct Hydrocarbon sensing Helen Debenham 247: Observation of vibroseis signature repeatability at the single location Valeriya Shulakova 249: Analysis of teleseismic earthquakes on nodal seismic surveys. Steve Hearn 283: Advances in Geophysics While Drilling for Reverse Circulation Drilling Darren Palmer	P3 <u>Minerals 15 - Developments in</u> <u>Downhole Geoscientific applications</u> <u>Chairperson: Jessica Stromberg</u> 11: UCS while drilling - actionable orrebody intelligence for mining efficiency improvement. <u>Roger Griffiths</u> 169: Dnilling sensor systems for trajectory control toward a distant mineral target while drilling <u>Aruni Rajanayake</u> 206: Discriminating magmatic and hydrothermal processes in borehole data: hydrotyeem Aprocesses in borehole data: hydrotyeem Appec Khademi Zahedi <u>Mosayeb Khademi Zahedi</u> 250: Seismic While Diamond Drilling <u>Anton Kepic</u>	P4+P5 Wall-Hinman Symposium 3 Chairperson: Ned Howard 303: The Radiogenic Nature of Intrusions Related to Proterozoic Thermal Aureole Gold and other 'oddiles' In Protenzoic tectonics. Lesley Wyborn 307: Lithophile-Element Discriminants of Cu(-Au-Mo) Ore-Forming and Barren Arc Magmas Robert Loucks 298: Porphyry copper systems: From sulfide-saturated mantle source to an effective ore fluid Christoph A. Heinrich Discussion	
13:20 Room 13:30 13:30 13:50 14:10 14:30 15:00 Room	Minerals 13 - Geophysical Case Studies 1 Chairperson: Mark Lackie 54: Uranium exploration in the Athabasca Basin using low-noise airborne gravity gradient data Darren Burrows 72: Assessing future exploration potential of the Cobar District using integrated 3D geological modeling and geophysical inversion. Giovanni Pietro Tommaso Spampinato 175: Maximising value from aeromagnetics surveying in the pressing search for cleaner- energy and rare earth materials. Yvonne Wallace 248: Petrophysical properties of the Cobar Province: key deposits to better understand magnetisation Andreas Bjork M1	Near-Surface 4 - Environmental Geophysics and Groundwater Applications Charperson: Aaron Tornkins 89: Electrical imaging of solute transport dynamics to understand nutrient transport from flat agricultural landscapes Lee Slater 255: Informing groundwater resource potential for mining a magnetite resource using regional scale exploration data – The Breamer Corridor in South Australia. Timothy Munday 126: Groundwater geochemistry as exploration tool through cover Joseph Tang 199: Quantifying Subterranean Fauna Habitats And Geological Features Interconnections Maria Clara Lopes Paula	M3	Minerals 14 - Sediment Hosted Copper Studies Chairperson: Bert De Waele 6: Sedimentary Copper Deposits : Which basin is hiding the next Big Copper Belt Bruce Hooper 65: Sediment-hosted mineral potential mapping of Australia: Geoscience data integration for national-scale assessment Arianne Ford 162: Mineral Systems Modeling – Opportunities and Solutions to De-Risk Green- and Brownfield Exploration Daniel Palmowski 273: Geochemical signatures of key mineral systems and deposit types in north Queensland, Australia Vladimir Lisitistin	Petroleum 6 - Seismic AVO Analysis and Inversion 1 Chairperson: James Parsons 19: Direct hydrocarbon indications from fluid contacts - stop calling them "flatspots"] Jarrod Dunne 56: Maximizing value from available data via advanced Geostatistical Inversion in the Growher Field Alessandro Mannini 180: Seismic facies and rock properties prediction using Direct Probabilistic Inversion: case studies from Australian basins Andre Eduardo Calazans Matos De Souza 189: The Practical Application of Wave Equation Based AVO Inversion John Coffin Atternoon Tea	Petroleum 7 - DAS and Passive Seismic 1 Chairperson: Roman Pevzner 295: Passive Microseismic in the Canning Basin – Direct Hydrocarbon sensing Helen Debenham 247: Observation of vibroseis signature repeatability at the single location Valeriya Shulakova 249: Analysis of teleseismic earthquakes on nodal seismic surveys. Steve Hearn 283: Advances in Geophysics While Drilling for Reverse Circulation Drilling Darren Palmer	P3 Minerals 15 - Developments in Downhole Geoscientific applications Chaipperson: Jessica Stromberg 11: UCS while drilling - actionable orebody intelligence for mining efficiency improvement. Roger Griffiths 169: Drilling sensor systems for trajectory control toward a distant mineral target while drilling Aruni Rajanayake 206: Discriminating magmatic and hydrothermal processes in borehole data: implications for orogenic gold in Yigam Craton, Western Australia Mosayeb Khademi Zahedi 250: Seismic While Diamond Drilling Arton Kepic	P4+P5 Wall-Hinman Symposium 3 Chairperson: Ned Howard 303: The Radiogenic Nature of Intrusions Related to Proterozoic Thermal Aureole Gold and other 'oddiles' In Protenzoic tectonics. Lesley Wyborn 307: Lithophile-Element Discriminants of Cu(-Au-Mo) Ore-Forming and Barren Arc Magmas Robert Loucks 298: Porphyry copper systems: From sulfide-saturated mantle source to an effective ore fluid Christoph A. Heinrich Discussion P4+P5	
13:20 Room 13:30 13:30 13:50 14:10 14:30 15:00	Minerals 13 - Geophysical Case Studies 1 Chaiperson: Mark Lackie 54: Uranium exploration in the Athabasca Basin using low-noise aiborne gravity gradient data Darren Burrows 72: Assessing future exploration potential of the Cobar District using integrated 3D geological modelling and geophysical Inversion. Giovanni Pietro Tommaso Spampinato 175: Maximising value from aeromagnetics surveying in the pressing search for cleaner- energy and rare earth materials. Yvonne Wallace 248: Petrophysical properties of the Cobar Province: key deposits to better understand magnetisation Andreas Bjork M1 Minerals 16 - Drithole Information Extraction Technologies	Near-Surface 4- Environmental Geophysics and Groundwater Applications Chairperson: Aaron Tornkins 89: Electrical imaging of solute transport dynamics to understand nutrient transport from flat agricultural landscapes 259: Informing groundwater resource potential for mining a magnetite resource using regional scale exploration data – The Braemar Corrifor in South Australia. Timothy Munday 126: Groundwater geochemistry as exploration tool through cover Joseph Tang 199: Quantifying Subterranean Fauna Habitats And Geological Features Interconnections Maria Clara Lopes Paula M2 Manareas 17- Geophysical Case Studies 2	M3 High School Student Session 3	Minerals 14 - Sediment Hosted Copper Studies Chairperson: Bert De Waele G: Sedimentary Copper Deposits : Which basin is hiding the next Big Copper Belt Bruce Hooper 65: Sediment-hosted mineral potential mapping of Australia: Geoscience data integration for national-scale assessment Arianne Ford 162: Mineral Systems Modeling – Opportunities and Solutions to De-Risk Green- and Brownfield Exploration Daniel Palmowski 273: Geochemical signatures of key mineral systems and deposit types in north Otaensland, Australia Vladimir Lisittsin M4 Minerals 18 - Magnetic methods	Petroleum 6 - Seismic AVO Analysis and Inversion 1 Chairperson: James Parsons 19: Direct hydrocarbon indications from fluid contacts - stop caling them "flatspots"] Jarrod Dunne 56: Maximizing value from available data via advanced Geostatistical Inversion in the Growler Field Alessandro Mannini 180: Selsmic facies and rock properties prediction using Direct Probabilistic Inversion: case studies from Australian basins Andre Eduardo Calazans Matos De Souza 189: The Practical Application of Wave Equation Based AVO Inversion John Coffin Afternoon Tea P1 Petroleum 8 - DAS and Passive Seismic 2	Petroleum 7 - DAS and Passive Seismic 1 Chairperson: Roman Pevzner 295: Passive Microseismic in the Canning Basin – Direct Hydrocarbon sensing Helen Debenham 247: Observation of vibroseis signature repeatability at the single location Valeriya Shulakova 249: Analysis of teleseismic earthquakes on nodal seismic surveys. Steve Hearn 283: Advances in Geophysics While Drilling for Reverse Circulation Drilling Darren Palmer P2 Petroleum 9 - Geochemistry	P3 Minerals 15 - Developments in Downhole Geoscientific applications Chaiperson: Jessica Stromberg 11: UCS while drilling - actionable orebody intelligence for mining efficiency improvement. Roger Griffiths 169: Drilling sensor systems for trajectory control toward a distant mineral target while drilling Aruni Rajanayake 206: Discriminating magmatic and hydrothermal processes in borehole data: implications for orogenic gold in Yilgam Craton, Western Australia Mosayeb Khademi Zahedi 250: Seismic While Diamond Drilling Arton Kepic P3 Near-Surface 5 - Geothermal Exploration and MT Inversion Modelling	P4+P5 Wall-Hinman Symposium 3 Chaiperson: Ned Howard 303: The Radiogenic Nature of Intrusions Related to Proterozoic Thermal Aureole Gold and other 'oddiles' In Protenzoic tectonics. Lesley Wyborn 307: Lithophile-Element Discriminants of Cu(-Au-Mo) Ore-Forming and Barren Arc Magmas Robert Loucks 298: Porphyry copper systems: From sulfide-saturated mantle source to an effective ore fluid Christoph A. Heinrich Discussion P44-P5 Wall-Hinman Symposium 4	
13:20 Room 13:30 13:30 13:50 14:10 14:30 15:00 Room	Minerals 13 - Geophysical Case Studies 1 Chairperson: Mark Lackie 54: Uranium exploration in the Athabasca Basin using low-noise airborne gravity gradient data Darren Burrows 72: Assessing future exploration potential of the Cobar District using integrated 3D geological modeling and geophysical inversion. Giovanni Pietro Tommaso Spampinato 175: Maximising value from aeromagnetics surveyling in the pressing search for cleaner- energy and rare earth materials. Yvonne Wallace 248: Petrophysical properties of the Cobar Province: key deposits to better understand magnetisation Andreas Bjork Minerals 16 - Drillhole Information	Near-Surface 4 - Environmental Geophysics and Groundwater Applications Charperson: Aaron Tornkins 89: Electrical imaging of solute transport dynamics to understand nutrient transport from flat agricultural landscapes Lee Slater 255: Informing groundwater resource potential for mining a magnetite resource using regional scale exploration data – The Breamer Corridor in South Australia. Timothy Munday 126: Groundwater geochemistry as exploration tool through cover Joseph Tang 199: Quantifying Subterranean Fauna Habitats And Geological Features Interconnections Maria Clara Lopes Paula	M3 High School Student Session 3	Minerals 14 - Sediment Hosted Copper Studies Chairperson: Bert De Waele 6: Sedimentary Copper Deposits : Which basin is hiding the next Big Copper Belt Bruce Hooper 65: Sediment-hosted mineral potential integration for national-scale assessment Arianne Ford 162: Mineral Systems Modeling – Opportunities and Solutions to De-Risk Green- and Brownfield Exploration Daniel Palmowski 273: Geochemical signatures of key mineral systems and deposit types in north Queensland, Australia Vladimir Lisitsin M4 M4 Mainerals 18 - Magnetic methods Chairperson: Kim Francombe	Petroleum 6 - Seismic AVO Analysis and Inversion 1 Chairperson: James Parsons 19: Direct hydrocarbon indications from fluid contacts - stop calling them "flatspots"] Jarrod Dunne 56: Maximizing value from available data via advanced Geostatistical Inversion in the Growher Field Alessandro Mannini 180: Seismic facies and rock properties prediction using Direct Probabilistic Inversion: case studies from Australian basins Andre Eduardo Calazans Matos De Souza 189: The Practical Application of Wave Equation Based AVO Inversion John Coffin Atternoon Tea	Petroleum 7 - DAS and Passive Seismic 1 Chairperson: Roman Pevzner 295: Passive Microseismic in the Canning Basin – Direct Hydrocation sensing Helen Debenham 247: Observation of vibroseis signature repeatability at the single location Valeriya Shulakova 249: Analysis of teleseismic earthquakes on nodal seismic surveys. Steve Hearn 283: Advances in Geophysics While Drilling for Reverse Circulation Drilling Darren Palmer P2 Petroleum 9 - Geochemistry Chairperson: Zhen Li	P3 Minerals 15 - Developments in Dowhole Geoscientific applications Chaiperson: Jessica Stromberg 11: UCS while drilling - actionable orebody intelligence for mining efficiency improvement. Roger Griffiths 169: Drilling sensor systems for trajectory control toward a distant mineral target while drilling Aruni Rajanayake 206: Discriminating magmatic and hydrothermal processes in borehole data: implications for orogenic gold in Yigam Craton, Western Australia Mosayeb Khademi Zahedi 250: Seismic While Diamond Drilling Anton Kepic P3 Near-Surface 5 - Geothermal Exploration	P4+P5 Wall-Hinman Symposium 3 Chairperson: Ned Howard 303: The Radiogenic Nature of Intrusions Related to Proterozoic Thermal Aureole Gold and other 'oddine' in Proterozoic tectonics. Lesley Wyborn 307: Lithophile-Element Discriminants of Cu(-Au-Mo) Ore-Forming and Barren Arc Magmas Robert Loucks 298: Porphyry copper systems: From sulfide-saturated mantle source to an effective ore fluid Christoph A. Heinrich Discussion P4+P5	
13:20 Room 13:30 13:30 13:50 14:10 14:30 15:00 Room 15:30	Minerals 13 - Geophysical Case Studies 1 Chairperson: Mark Lackie S4: Uranium exploration in the Athabasca Basin using low-noise airborne gravity gradient data Darren Burrows T2: Assessing future exploration potential of the Cobar District using integrated 3D geological modeling and geophysical inversion. Giovanni Pietro Tommaso Spampinato T75: Maximising value from aeromagnetics surveying in the pressing search for cleaner- energy and rare earth materials. Yvonne Wallace 248: Petrophysical properties of the Cobar Province: key deposits to better understand magnetisation Andreas Bjork MI Minerals 16 - Drillhole Information Extraction Technologies Chairperson: Anton Kepic 190: Integrated approach for downhole geophysical data interpretation: advanced characterisation using Borehole Magnetic Resonance, Acoustic Televiewer Images and Core data	Near-Surface 4- Environmental Geophysics and Groundwater Applications Chairperson: Aaron Tornkins 89: Electrical imaging of solute transport dynamics to understand nutrient transport from flat agricultural landscapes 259: Informing groundwater resource potential for mining a magnetite resource using regional scale exploration data – The Braema Corndro in South Australia. Timothy Munday 126: Groundwater geochemistry as exploration tool through cover Joseph Tang 199: Quantifying Subterranean Fauna Habitats And Geological Features Interconnections Maria Clara Lopes Paula Minerais 17 - Geophysical Case Studies 2 Chaitperson: Jared Townsend 69: Best practices for ultra-high resolution magnetic and radiometric statewide merging Sam Matthews 144: Distal, proximal and sweet-spot. Environ in source information content of	M3 High School Student Session 3	Minerals 14 - Sediment Hosted Copper Studies Chairperson: Bert De Waele 6: Sedimentary Copper Deposits : Which basin is hiding the next Big Copper Belt Bruce Hooper 65: Sediment-hosted mineral potential integration for national-scale assessment Arianne Ford 162: Mineral Systems Modeling – Opportunities and Solutions to De-Risk Green- and Brownfield Exploration Daniel Palmowski 273: Geochemical signatures of key mineral systems and deposit types in north Queensland, Australia Vladimir Lisitsin M4 Minerals 18 - Magnetic methods Chairperson: Kim Francombe 182: Geophysical discovery of the Cerro de Mainon South VHMS	Petroleum 6 - Seismic AVO Analysis and Inversion 1 Chairperson: James Parsons 19: Direct hydrocarbon indications from fluid contacts - stop caling them "flatspots"] Jarrod Dunne 56: Maximizing value from available data via advanced Geostatistical Inversion in the Growler Field Alessandro Mannini 180: Seismic facies and rock properties prediction using Direct Probabilistic Inversion: case studies from Australian basins Andre Eduardo Calazans Matos De Souza 189: The Practical Application of Wave Equation Based AVO Inversion John Coffin Aternoon Tea P1 Petroleum 8 - DAS and Passive Selismic avaneed by fibre-optic distributed acoustic sensors	Petroleum 7 - DAS and Passive Seismic 1 Chairperson: Roman Pevzner 295: Passive Microseismic in the Canning Basin – Direct Hydrocarbon sensing Helen Debenham 247: Observation of vibroseis signature repeatability at the single location Valeriya Shulakova 249: Analysis of teleseismic earthquakes on nodal seismic surveys. Steve Hearn 283: Advances in Geophysics While Drilling for Reverse Circulation Drilling Darren Palmer P2 Petroleum 9 - Geochemistry Chairperson: Zhen Li 116: Organic Depositional Facies Control on Hydrocarbon Occurrence in the Middle Trassic of the Roebuck Basin, WA.	P3 Minerals 15 - Developments in Dowhole Geoscientific applications Chairperson: Jessica Strombarg 11: UCS while drilling - actionable orebody intelligence for mining efficiency improvement. Roger Griffiths 169: Drilling sensor systems for trajectory control toward a distant mineral target while drilling Aruni Rajanayake 2006: Discriminating magmatic and hydrothermal processes in borehole data: implications for orogenic gold in Yilgam Craton, Western Australia Mosayeb Khademi Zahedi 250: Seismic While Diamond Drilling Anton Kepic P3 Near-Surface 5 - Goothermal Exploration and MT Inversion Modelling Chairperson: Michael Asten 276: Geothermal study using modeling of magnetotelluric data - A case study: Sabalan region, Iran	P4+P5 Wall-Hinman Symposium 3 Chairperson: Ned Howard 303: The Radiogenic Nature of Intrusions Related to Proterozoic Thermal Aureole Gold and other toddlies in Proterozoic tectonics. Lesley Wyborn 307: Lithophile-Element Discriminants of Cu(-Au-Mo) Ore-Forming and Barren Arc Magmas Robert Loucks 298: Porphyry copper systems: From sulfide-saturated mantle source to an effective ore fluid Christoph A. Heinrich P4+P5 Wall-Hinman Symposium 4 Chairperson: Kate Selway 308: Unconformily-Type Uranium Deposits: Mineral Systems Models Ther and Now	
13:20 Room 13:30 13:30 13:50 14:10 14:30 15:30 15:30 15:50	Minerals 13 - Geophysical Case Studies 1 Chairperson: Mark Lackie 54: Uranium exploration in the Athabasca Basin using low-noise airborne gravity gradient data Darren Burrows 72: Assessing future exploration potential of the Cobar District using integrated 3D geological modeling and geophysical inversion. Giovanni Pietro Tommaso Spampinato 175: Maximising value from aeromagnetics surveying in the pressing search for cleaner- energy and rare earth materials. Yvonne Wallace 248: Petrophysical properties of the Cobar Province: key deposits to better understand magnetisation Andreas Bjork MI Minerals 16 - Drillhole Information Extraction Technologies Chairperson: Anton Kepic 190: Integrated approach for downhole geophysical data interpretation: advanced characteristation using Borehole Magnetic Resonance, Acoustic Televiewer Images and Core data Lena Thrane 213: Extracting consistent geotechnical data	Near-Surface 4- Environmental Geophysics and Groundwater Applications Chairpersoin: Aaron Tornkins 89: Electrical imaging of solute transport dynamics to understand nutrient transport from flat agricultural landscapes Lee Slater 259: Informing groundwater resource potential for mining a magnetite resource using regional scale exploration data – The Braemar Corridor in South Australia. Timothy Munday 126: Groundwater geochemistry as exploration tool through cover Joseph Tang 199: Quantifying Subterranean Fauna Habitats And Geological Features Interconnections Maria Clara Lopes Paula Minerals 17 - Geophysical Case Studies 2 Chairperson: Jared Townsend 69: Best practices for ultra-high resolution magnetic and radiometric statewide merging Sam Matthews 144: Distal, proximal and sweet-spot: limitations in source information content of magnetic field data Clive Foss 168: Evolution of depth estimation	M3 High School Student Session 3 M3 Panel session - Diversity and equity in	Minerals 14 - Sediment Hosted Copper Studies Chairperson: Bert De Waele 6: Sedimentary Copper Deposits : Which basin is hiding the next Big Copper Belt Bruce Hooper 65: Sediment-hosted mineral potential mapping of Australia: Geoscience data integration for national-scale assessment Arianne Ford 162: Mineral Systems Modeling – Opportunities and Solutions to De-Risk Green- and Brownfield Exploration Daniel Palmowski 273: Geochemical signatures of key mineral systems and deposit types in north Queensland, Australia Vladimir Lisitsin M4 M4 M4 M1 M4 M1 M4 Mainerals 18 - Magnetic methods Chairperson: Kim Francombe 182: Geophysical discovery of the Cerro de Maimon South VHMS Kate Hine 87: An Empirical Geophysical Model for Porphysyr Copper Deposits in the Laramide Copper Province.	Petroleum 6 - Seismic AVO Analysis and Inversion 1 Chairperson: James Persons 19: Direct hydrocarbon indications from fluid contacts - stop caling them "flatspots"] Jarrod Dunne 56: Maximizing value from available data via advanced Geostatistical Inversion in the Growher Field Alessandro Mannini 180: Seismic facies and rock properties prediction using Direct Probabilistic Inversion: case studies from Australian basins Andre Eduardo Calazans Matos De Souza 189: The Practical Application of Wave Equation Based AVO Inversion John Coffin Afternoon Tea P1 Petroleum 8 - DAS and Passive Seismic 2 Chairperson: Roman Pevzner 195: Numerical modelling of the effect of the sensors Boris Gurevich 197: Australia-wide downhole DAS array for observational seismology	Petroleum 7 - DAS and Passive Seismic 1 Chairperson: Roman Pevzner 295: Passive Microseismic in the Canning Basin — Direct Hydrocarbon sensing Helen Debenham 247: Observation of vibroseis signature repeatability at the single location Valeriya Shulakova 249: Analysis of teleseismic earthquakes on nodal seismic surveys. Steve Hearn 283: Advances in Geophysics While Drilling for Reverse Circulation Drilling Darren Palmer 283: Advances in Geophysics While Drilling for Reverse Circulation Drilling Darren Palmer 284: Petroleum 9 - Geochemistry Chairperson: Zhen Li 116: Organic Depositional Facies Control on Hydrocarbon Occurrence in the Middle Triassic of the Roebuck Basin, WA. Greg Smith 286: Petrography and geochemistry of sandstones of the Permian Vyheid Formation, Highveld Caalleid of South Africa: implications for provenance, palaeo- weathering and palaeo-redox conditions	P3 Minerals 15 - Developments in Dowhole Geoscientific applications Chaiperson: Jessica Stromberg 11: UCS while drilling - actionable orebody intelligence for mining efficiency improvement. Roger Griffiths 169: Drilling sensor systems for trajectory control toward a distant mineral target while drilling Aruni Rajanayake 206: Discriminating magmatic and hydrothermal processes in borehole data: implications for orogenic gold in Yigam Craton, Western Australia Mosayeb Khademi Zahedi 250: Seismic While Diamond Drilling Anton Kepic P3 Near-Surface 5 - Geothermal Exploration and MT Inversion Modelling Chaiperson: Michael Asten 276: Geothermal study using modeling of magnetoteluric data - A case study: Sabalan region, Iran Fatemen Firocol 291: Depth to basement mapping in Mount Isa using 2D MT constrained inversions Hoel Seille	P4+P5 Wall-Hinman Symposium 3 Chairperson: Ned Howard 303: The Radiogenic Nature of Intrusions Related to Proterozoic Thermal Aureole Gold and other 'oddilies' in Proterozoic tectonics. Lesley Wyborn 307: Lithophile-Element Discriminants of Cu(-Au-Mo) Ore-Forming and Barren Arc Magmas Robert Loucks 298: Porphyry copper systems: From sulfide-saturated mantle source to an effective ore fluid Christoph A. Heinrich Discussion P4+P5 Wall-Hinman Symposium 4 Chairperson: Kate Solway 308: Unconformity-Type Uranium Deposits: Mineral Systems Models Then and Now Andy Wilde 309: Proterozoic unconformity-related REE in Browns Range, WA; fuld dynamics around an exhuming Archean dome	
13:20 Room 13:30 13:30 13:50 14:10 14:30 15:30 15:30 15:30 16:10 16:30	Minerals 13 - Geophysical Case Studies 1 Chairperson: Mark Lackie 54: Uranium exploration in the Athabasca Basin using low-noise aithorne gravity gradient data Darren Burrows 72: Assessing future exploration potential of the Cobar District using integrated 3D geological modelling and geophysical inversion. Giovanni Pietro Tommaso Spampinato 175: Maximising value from aeromagnetics surveying in the pressing search for cleaner- energy and rare earth materials. Yvonne Wallace 248: Petrophysical properties of the Cobar Province: key deposits to better understand magnetisation Andreas Bjork 101 Minerals 16 - Drillhole Information Extraction Technologies Chairperson: Anton Kepic 190: Integrated approach for downhole geophysical data interpretation: advanced characterisation using Borchelo Magnetic Resonance, Acoustic Televiewer Images and Core data Lena Thrane 226: Using computer vision and drill core photography to automate geological logging workflows and improve crebody knowledge	Near-Surface 4- Environmental Geophysics and Groundwater Applications Chairperson: Anon Tomkins 83: Electrical imaging of soluble transport from flat agricultural landscapes Les Slater 253: Informing groundwater resource using regional scale exploration data – The Braemar Corridor in South Australia. Timothy Munday 126: Groundwater geochemistry as exploration tool through cover Josseph Tang 199: Quanitying Subterranean Fauna Habitas And Geological Features Interconnections Maria Clara Lopes Paula Mareats 17 - Geophysical Case Studies 2 Chaitperson: Jared Townsend 69: Best practices for ultra-high resolution magnetic and radiometric statewide merging Sam Matthews 144: Distal, proximal and sweet-spot: limitations in source information content of magnetic field data Clive Foss 188: Evolution of depth estimation techniques by using potential field data	M3 High School Student Session 3 M3 Panel session - Diversity and equity in	Minerals 14 - Sediment Hosted Copper Studies Chairperson: Bert De Waele 6: Sedimentary Copper Deposits : Which basin is hiding the next Big Copper Belt Bruce Hooper 65: Sediment-hosted mineral potential mapping of Australia: Geoscience data integration for national-scale assessment Arianne Ford 162: Mineral Systems Modeling – Opportunities and Solutions to De-Risk Green- and Brownfield Exploration Daniel Palmowski 273: Geochemical signatures of key mineral systems and deposit types in north Queensland, Australia Vladimir Lisittsin M4 Minerals 18 - Magnetic methods Chairperson: Kim Francombe 182: Geophysical discovery of the Cerro de Maimon South VHMS Kate Hine 87: An Empirical Geophysical Model for Porphryt Copper Deposits in the Laramide Copper Province. Brendan Howe	Petroleum 6 - Seismic AVO Analysis and Inversion 1 Chairperson: James Parsons 19: Direct hydrocarbon indications from fluid contacts - stop caling them "flatspots"] Jarrod Dunne 56: Maximizing value from available data via advanced Geostatistical Inversion in the Growher Field Alessandro Mannini 180: Seismic facies and rock properties prediction using Direct Probabilistic Inversion: case studies from Australian basins Andre Eduardo Calazans Matos De Souza 189: The Practical Application of Wave Equation Based AVO Inversion John Coffin Afternoon Tea P1 Petroleum 8 - DAS and Passive Seiamic 2 Chairperson: Roman Peyzner 195: Numerical modelling of the effect of the borehole environment on seismic amplitudes measured by fibre-optic distributed acoustic sensors Boris Gurevich 197: Australia-wide downhole DAS array for observational seismology Roman Peyzner 200: Feasibility of Seismic While Drilling without the use of a pilot signal based on synthetic modelling Emad Hemyari 151: Application of generic segmented semblance in surface microseismic localization Javad Khoshnavaz	Petroleum 7 - DAS and Passive Seismic 1 Chairperson: Roman Pevzner 295: Passive Microseismic in the Canning Basin — Direct Hydrocarbon sensing Helen Debenham 247: Observation of vbroseis signature repeatability at the single location Valeriya Shulakova 249: Analysis of teleseismic earthquakes on nodal seismic surveys. Steve Hearn 283: Advances in Geophysics While Drilling for Reverse Circulation Drilling Darren Palmer 283: Advances in Geophysics While Drilling for Reverse Circulation Drilling Darren Palmer 284: Petroleum 9 - Geochemistry Chairperson: Zhen Li 116: Organic Depositional Facies Control on Hydrocarbon Occurrence in the Middle Triassic of the Roebuck Basin, WA. Greg Smith 286: Petrography and geochemistry of sandstones of the Permian Vyhieid Formation, Highved Coatiliel of South Africa: implications for provenance, palaeo- weathering and palaeo-redox conditions Lindani Ncube 86: A new origin for the hydrocarbon- bearing zones in the Goldwyer Formation, Markorale To-FSIMS geochemical characterization of organing Basin, WA, from Nanoscale To-FSIMS geochemical characterization of organing Basin, WA, from Nanoscale To-FSIMS geochemical	P3 Minerals 15 - Developments in Downhole Geoscientific applications Chaipperson: Jessica Stromberg 11: UCS while drilling - actionable orebody intelligence for mining efficiency improvement. Roger Griffiths 169: Drilling sensor systems for trajectory control toward a distant mineral target while drilling Aruni Rajanzyake 206: Discriminating magmatic and hydrothermal processes in borehole data: implications for orogenic gold in Yigam Craton, Western Australia Mosayeb Khademi Zahedi 250: Seismic While Diamond Drilling Anton Kepic P3 Near-Surface 5 - Geothermal Exploration and MT Inversion Modelling of magnetotelluric data - A case study: Sabalan region, Iran Fatemeh Firoozi 291: Depth to basement mapping in Mount Isa using 2D MT constrained inversions Hoel Seille	P4+P5 Wall-Hinman Symposium 3 Chairperson: Ned Howard 303: The Radiogenic Nature of Intrusions Related to Proterozoic Thermal Aureole Gold and other 'oddilies' in Proterozoic tectonics. Lesley Wyborn 307: Lithophile-Element Discriminants of Cu(-Au-Mo) Ore-Forming and Barren Arc Magmas Robert Loucks 298: Porphyry copper systems: From sulfide-saturated mantle source to an effective ore fluid Christoph A. Heinrich Discussion 298: Porphyry copper systems: From sulfide-saturated mantle source to an effective ore fluid Christoph A. Heinrich Discussion 298: Porphyry copper systems: From sulfide-saturated mantle source to an effective ore fluid Christoph A. Heinrich Discussion 208: Unconformity-related Seeway 308: Unconformity-related REE seeway 308: Unconformity-related REE in Browns Range, WA; fluid dynamics around an exhuming Archean dome Nicholas Oliver 304: Zircons as metal sources for unconformity-related mineral deposits	
13:20 Room 13:30 13:30 13:50 14:10 14:30 15:30 15:30 15:50 16:10	Minerals 13 - Geophysical Case Studies 1 Chairperson: Mark Lackie 54: Uranium exploration in the Athabasca Basin using low-noise aiborne gravity gradient data Darren Burrows 72: Assessing future exploration potential of the Cobar District using integrated 3D geological modelling and geophysical inversion. Giovanni Pietro Tommaso Spampinato 175: Maximising value from aeromagnetics surveying in the pressing search for cleaner- energy and rare earth materials. Yvonne Wallace 248: Petrophysical properties of the Cobar Province: key deposits to better understand magnetisation Andreas Bjork Minerals 16 - Drillhole Information Extraction Technologies Chaiperson: Anton Kepic Chaiperson: Anton Kepic Resonance, Acoustic Televiewer Images and Core data Lena Thrane 213: Extracting consistent geotechnical data Itrom drill core imagery using computer vision Sam Johnson 226: Using computer vision and drill core photography to automate geological logging workflows and improve orebody knowledge Nathanael Pittaway 264: Identification of Structural Features using Measure-While-Drill Data	Near-Surface 4- Environmental Geophysics and Groundwater Applications Charperson: Aaron Tonikins 83: Electrical imaging of Solute transport from flat agricultural landscapes Lee Stater 253: Informing groundwater resource using regional scale exploration data – The Braemar Corridor in South Australia. Timothy Munday 126: Groundwater geochemistry as exploration to d'through cover Joseph Tang 199: Quantifying Subterranean Fauna Habitas And Geological Features Interconnections Maria Clara Lopes Paula Minerals 17- Geophysical Case Studies 2 Chairperson: Jared Townsend 69: Best practices for ultra-high resolution magnetic and information content of magnetic and andiometric statewide merging Sam Matthews 144: Distal, proximal and sweet-spot: limitations in source information content of magnetic data Clive Foss 168: Evolution of depth estimation techniques by using potential field data Clive Foss 278: Airborne Magnetic Surveys - Everything you wanted to know but were afraid to ask Robert Hearst	M3 High School Student Session 3 M3 Panel session - Diversity and equity in	Minerals 14 - Sediment Hosted Copper Studies Chairperson: Bert De Waele 6: Sedimentary Copper Deposits : Which basin is hiding the next Big Copper Belt Bruce Hooper 65: Sediment-hosted mineral potential mapping of Australia: Geoscience data integration for national-scale assessment Arianne Ford 162: Mineral Systems Modeling – Opportunities and Solutions to De-Risk Green- and Brownfield Exploration Daniel Palmowski 273: Geochemical signatures of key mineral systems and deposit types in north Queensland, Australia Vladimir Lisitsin M4 Minerals 18 - Magnetic methods Chairperson: Kim Francombe 182: Geophysical discovery of the Cerro de Maimon South VHMS Kate Hine 87: An Empirical Geophysical Model for Porphyty Copper Deposits in the Laramide Copper Province. Brendan Howe 124: Regional mineral potential evaluation and fast track targeting using existing EM, magnetics and gravty – case study from the Eastern Goldfields, Western Australia Andrea Viezzoli 121: Improving Nickel exploration with a purposefully designed arborne electromagnetic system, with an example from Julimar, Western Australia Darren Burrows	Petroleum 6 - Seismic AVO Analysis and Inversion 1 Chairperson: James Parsons 19: Direct hydrocarbon indications from fluid contacts - stop caling them "flatspots"] Jarrod Dunne 56: Maximizing value from available data via advanced Geostatistical Inversion in the Growher Field Alessandro Mannini 180: Seismic facies and rock properties prediction using Direct Probabilistic Inversion: case studies from Australian basins Andre Eduardo Calazans Matos De Souza 189: The Practical Application of Wave Equation Based AVO Inversion John Coffin Afternoon Tea P1 Petroleum 8 - DAS and Passive Seismic 2 195: Numerical modelling of the effect of the borehole environment on seismic amplitudes measured by fibre-optic distributed acoustic sensors Boris Gurevich 197: Australia-wide downhole DAS array for observational seismology Roman Pevzner 200: Feasibility of Seismic While Drilling without the use of a pilot signal based on synthetic modelling Emad Hemyari 151: Application of generic segmented semblance in surface microseismic localization	Petroleum 7 - DAS and Passive Seismic 1 Chairperson: Roman Pevzner 295: Passive Microseismic in the Canning Basin – Direct Hydrocarbon sensing Helen Debenham 247: Observation of vibroseis signature repeatability at the single location Valeriya Shulakova 249: Analysis of teleseismic earthquakes on notal seismic surveys. Steve Hearn 283: Advances in Geophysics While Dnilling for Reverse Circulation Drilling Darren Palmer P2 Petroleum 9 - Geochemistry Chairperson: Zhen Li 116: Organic Depositional Facies Control on Hydrocarbon Occurrence in the Middle Triassic of the Reebuck Basin, WA. Greg Smith 286: Petrography and geochemistry of sandstones of the Permian Vyheid Formation, Highveld Coaffield of South Africs: Implications for provenance, palaeo- weathering and palaeo-redox conditions Lindani Ncube 86: A new origin for the hydrocarbon- bearing zones in the Goldwyer Formation on the Broome Platform, Canning Basin, WA, from Nanoscale ToF-SINB geochemical characterization of organic petrology. Lukman Johnson 2: Isotopic fingerprinting hydrogen sulphide (H2S) gas origins in unconventional reservoirs: the miligation of environmental contamination in gas production.	P3 Minerals 15 - Developments in Downhole Geoscientific applications Chaipperson: Jessica Stromberg 11: UCS while drilling - actionable orebody intelligence for mining efficiency improvement. Roger Griffiths 169: Drilling sensor systems for trajectory control toward a distant mineral target while drilling Aruni Rajanayake 206: Discriminating magnatic and hydrothermal processes in borehole data: implications for orogenic gold in Yigam Craton, Western Australia Mosayeb Khademi Zahedi 250: Seismic While Diamond Drilling Anton Kepic P3 Rear-Surface 5 - Geothermal Exploration and MT Inversion Modelling Chairperson Modelling Chairperson Modelling Chairperson Modelling Chairperson Bordeling of magneticelluric data - A case study: Sabalan region, Iran Fatemeh Firoozi 291: Depth to basement mapping in Mount Isa using 2D MT constrained inversions Hool Seille 292: Evaluation of a depth to basement Bayesian model using cross-validation strategies Hool Seille 49: High Resolution Airborne Gravity Gradiometry, Electromagnetic and Magnetic data A stasessment	P44P5 Wall-Hinman Symposium 3 Chairperson: Ned Howard 303: The Radiogenic Nature of Intrusions Related to Proterozoic Thermal Aureole Gold and other oddiles' In Proterozoic tectonics. Lesley Wyborn 307: Lithophile-Element Discriminants of Cu(-Au-Mo) Ore-Forming and Barren Arc Magmas Robert Loucks 298: Porphyry copper systems: From sulfide-saturated mantle source to an effective ore fluid Discussion 298: Porphyry copper systems: From sulfide-saturated mantle source to an effective ore fluid Discussion P44-P5 Wall-Hinman Symposium 4 Chairperson: Kate Selway 308: Unconformity-related mantle source to an effective ore fluid Orbitropy Chairperson: Kate Selway 308: Unconformity-related mantle source to an effective ore fluid Orbitropy Chairperson: Kate Selway 308: Unconformity-related mantle source to an effective ore fluid Orbitropy Chairperson: Kate Selway 309: Proterozoic unconformity-related REE in Browns Range, WA: fluid dynamics around an exhuming Archean dome Nicholas Oliver 304: Zircons as metal sources for unconformity-related mineral deposits Carl Spandler 304: Zircons as metal sources for unconformity-related mineral depos	

21:30

				MONDAY	ian Exploration Geoscience Confer Y 13 March 2023 - SATURDAY 18 Ma isbane Convention & Exhibition Cer	arch 2023				
	As at 15 March 2023									
07:30	Friday, 17 March 2023 Registration and Exhibition Open									
Room	M1	M2	М3	M4	P1	P2	P3	P4	P5	
	Minerals 19 - Regional Exploration Geophysics	Petroleum 10 - Seismic AVO Analysis and Inversion 2	Near-Surface Keynotes	Minerals 20 - Geophysical Studies - Deposit Scale	Petroleum 11 - CCS Monitoring	Minerals 21 - New Developments / Methods	Minerals 22 - Regional Prospectivity Studies	Petroleum 12 - Land Seismic	Survey Design & Acquisition	
09:00	Chairperson: Stephan Thiel 139: An Example of Country Scale Airborne Geophysics - Angola John Bell	Chairperson: Jarrod Dunne 296: Optimizing Seismic Inversion Results Through Fully Seismic Driven Background Model Generation Karl Hosgood	Chairperson: Alexander Costall Stream Keynote 9: The Future of Near-	Chairperson: Kate Hine 271: Integrated 3D modelling and associated machine learning targeting: the Jaguar Greenstone Belt example. James Reid	Chairperson: Andrew Long 280: The role of CSEM in Carbon Capture and Storage Monitoring Naima Yilo	Chairperson: Kim Francombe 106: Passive Mineral Exploration at the Speed of Light: How a Space Company is Using ANT to Map the Earth's Subsurface Gerrit Olivier	Chairperson: Arianne Ford 179: Geochronology for mineral exploration Hugo Olierook	Chairperson: Ale 113: Designing Seismic Surveys fr Alysor	or Reduced Environmental Impact	
09:20	279: The economics of looking deep with geophysics - Why look deep when I'm only interested in the first XXXm? Robert Hearst (Pre-recording)	230: Automatically identifying lithofacies from wireline logs: A case study in Cuu Long Basin, Vietnam Duy Thong Kieu	Surface Geophysics is Tiny Jan Francke	80: Geophysical Responses of Devoncourt Prospect - A Granite Hosted LOCG in North- West Queensland, Australia James Alderman, Nikhil Prakash	128: Overview of the Barrow Island Land Seismic Acquisition and 4D Processing of the First Gorgon CO2 Time-Lapse Monitor Survey. Paul Phythian	185: An Airborne Heterodyne Sulphide Exploration Test James Macnae	187: Heavy mineral exploration on a continental scale: The GA-Curtin Heavy Mineral Map of Australia project Brent Mcinnes	231: Going off the grid – defining the new sta Claudio		
09:40	20: WA_ARRAY: a State-wide passive seismic imaging campaign in Western Australia	100: The advantages of an automated well- to-seismic tie calibration process Andrea Paxton	Stream Keynote 10: Near Surface	256: Integrated interpretation applied to the Nardoo prospect, QLD. Glenn Pears	177: Integrated workflow for characterization of CO2 subsurface storage sites	246: LithoSpace - a Geochemical Data Platform for Extra-terrestrial Mineral Exploration	27: 1.60-1.57 Ga suprasubduction zone model for metal endowment in eastern Australia	225: Assessing and reducing the environme Tim I		
10:00	Ruth Murdie 105: Geometry of the North Australian Craton margins and correlations with upper crustal structures	236: Why accelerating the rush towards seismic for prospecting?	Geophysics in the Mining Life Cycle Ashley Grant	25: Identifying and Quantifying Uncertainty Inherent in Mineral Resource Estimates	Andrew Long 16: Computation of vertical fluid mobility: Implications for CO2 storage and hydrogen exploration	Wayne Noble 109: A development of an unbiased spiral array for MASW data acquisition	Caroline Tiddy 137: De-risking Salar and Paleosalar Lithium-Brine rich targets in the Lithium Triangle using Satellite Imagery.	228: The importance of geophone emp Tim I		
	Fatemeh Amirpoorsaeed	Mosayeb Khademi Zahedi		Andrew Waltho	Bhavik Harish Lodhia	Koya Suto	Olivia Rhind			
10:30					Morning Tea					
Room	M1	M2	M3	M4 Minerals 25 - Geophysical Case Studies	P1 Petroleum 13 - Reservoir Depletion	P2	P3 Petroleum 14 - New Regional Concepts	P4 Near-Surface 7 - Soil Geochem and	P5	
	Minerals 23 - Deposit Scale	Minerals 24 - EM Methods and Modelling		3	Monitoring	Near-Surface 6 - Cover Mapping	for Exploration: Onshore Case Studies	Novel Applications	ASEG Technical Standards Meeting	
	Chairperson: Craig Annison	Chairperson: Andrew Duncan		Chairperson: Janelle Simpson	Chairperson: Paul Phythian	Chairperson: Chris Wijns	Chairperson: Tehani Palu	Chairperson: Simon Williams		
11:00	333: Revealing Geological Details in Hard Rock Seismic Volumes using Medical Imaging Technology Andrew Pethick	66: Low-frequency, B-field, TDEM exploration in North America for high- conductivity, base and precious metal ore deposits Dennis Woods	Early Career & Student Session 1: Industry Q&A Panel Panelists: Dr Kate Brand Dr Jan Francke Jaime Livesey Dr Helen Degeling	272: EM success in the Carajás – Geophysical results of the Jaguar Nickel deposit, Brazil Grant Couston	30: Hourly 4-D Subsurface Time-Lapse Monitoring using Seismic Ambient Noise Peng Guo	135: New data, new insights into the Tasmanian cover Mark Duffett	37: Increasing the prospectivity of northern Australia; impacts from the recent Exploring for the Future seismic acquisition and regional geology studies in the South Nicholson region, Northern Territory. Lidena Carr	81: Adapting our Traditional Geochemistry Workflows to Cope with a Data Tsunami Michael Whitbread		
11:20	140: Imaging complex geology using 3D seismic: Unique depth imaging workflows applied to the Carosue Dam gold deposit, Western Australia. Sasha Ziramov	76: New developments with the HeliSAM and UAVSAM systems, for use in mineral exploration Daniel Eremenco		120: mineral Exploration Under Cover And The Value Of Petrophysics – A Case Study From East Albany-fraser Orogen, Western Australia. Katherine Mckenna	108: Monitoring of the Producing Reservoir Pressure and Saturation Changes Using Extended Elastic Impedance From Time- Lapse Seismic Data: Enfield Field, NW Australia. Sergey Shevchenko		152: Onshore Basin Inventories: Building foundational understanding of energy resources for Australia's Future Adam Bailey	255: How to infer soil density from radiometric data Anton Kepic	ASEG Technical Standards Meeting	
11:40	212: 2D forward seismic modelling at the Thunderbox gold mine, Western Australia, using laboratory petrophysical data Andre Eduardo Calazans Matos De Souza	110: Complete Earth 3D Modelling of Land Controlled-Source EM Stephen Hallinan		4: Geophysical response and exploration methods for Callie-style targets in Tanami, NT, Australia_final Tim Dohey	233: Monitoring subsurface changes using amplitudes of active and passive seismic signals recorded by downhole distributed acoustic sensors: CO2CRC Otway Stage 3 field study Pavel Shashkin	275: Passive seismic methods for obtaining shear-wave velocity profiles and depth to basement in an urban-industrial area, Marmara region, Turkey Michael Asten	156: Is a reinterpretation of the basin architecture for the Perth Basin required? A case study of how reprocessed gravity and magnetic data is providing critical new insights Helen Anderson			
12:00	203: Hardrock 3D Seismic Imaging of the Mawson Prospect Jie Jian Leong	158: Broadband Tempest Upgrades Eric Steele			269: Optimising 4D Signal Where Environmental Conditions Hinder Survey Repeatability Hui Zhang	305: Terrestrial Water and Groundwater Storage Variability Estimation using GRACE and GRACE-FO Time Variable and GLDAS- LSM Products for Enhancing Sustainable Integrated Surface Water-Groundwater Management in Thailand Aksara Putthividhya	183: Anatomy of a land release Sue Slater		ASEG AGM	
12:30					Lunch					
	11/	10	110			50	20	D.	55	
Room	M1 Minerals 26 - High resolution surveys	M2 Petroleum 15 - Seismic AVO Analysis	M3	M4 Minerals 27 - Seismic - Gawler	P1 Petroleum 16 - Digital Frameworks for	P2 Petroleum 17 - CO2 and Hydrogen	P3 Minerals 28 - Geophysical modeling and	P4 Minerals 29 - Airborne Applications	P5	
	Chairperson: Sophie Hancock	and Inversion 3 Chairperson: John Coffin		Chairperon: Denis Sweeney	Better Practices Chairperson: Shastri Nimmagadda	Storage Chairperson: Andrew Long	case studies Chairperson: Clive Foss	Chairperson: Melanie Fitzell	ASEG AGM	
13:30	115: Optimization of 3D RES/IP/MT surveys to efficiently follow-up previously identified "Recon-Type" RES/IP anomalies Steve Boucher	33: New insights into Australian NW Shelf Upper Triassic Mungaroo Formation depositional systems based on the deep exploration well Ironbark-1 and a regionally merged 3D seismic data set. Dan Bishop	Early Career & Student Session 2: The GeoPitch	143: Seismic guided minerals exploration Greg Turner	8: Digital Petroleum: Perspectives of Industry Big Data Integration and Automation - Managing Non-renewable and Renewable Energy Sources Shastri Nimmagadda	282: Hydrogen Gas Storage Prospects in	13: Deep Learning Based Geological Interpretation Using Geophysics Michael Rodda	118: interpreting Aeromagnetic Data In Areas Of Limited Outcrop, An Update From 1997 Desmond Fitzgerald		
13:50	167: Drone enhanced capabilities applied to gradient magnetics Adam Kroll	12: Rapid Play Evaluation Through Al Interpretation Jacob Smith	Dr Bahvik Harish Lodhia Oliver Mowbray Laureano Gonzalez Rodrigue Kosuke Tsutsui Carra Williams	224: Seismic velocity (Vp) vs alteration mineralogy in the Olympic Dam IOCG deposit Kathy Ehrig	104: Repurposing Geotechnical Data for Energy Transition Jess Kozman	207: Feasibility of conformance monitoring for CO2 geosequestration using refracted waves Roman Pevzner	47: Geology-geophysics integrated inversion in Mount Isa South, Queensland Mahtab Rashidifard	208: Mapping A Paleochannel On The Edge Of The Darling Fault In Western Australia Using Airborne EM And Passive Seismic Karen Gilgallon	ASEG AGM	
14:10	218: Alunite Characterization with Ultra High Resolution SWIR Andrew Somers	234: Rock Physics driven Machine Learning for quick & improved Reservoir Characterization Jyoti Jyoti	Ao Chang Nuray Oncul Mahtab Rashidifard Matt Scipione Tianjiao Yu	127: 3D Seismic Feasibility Study of Olympic Dam Jared Townsend	111: Building a National High-Resolution Geophysics Reference Collection for 2030 Computation Nigel Rees	88: Assessing geochemical reactivity during CO2 geological storage: An example from the Surat Basin Julie Pearce	134: Comparison of resistivity and chargeability inversions integrating rock physical properties and geological models Carlos Peña	43: Conductivity-depth imaging in the Ord Basin, Western Australia Alex Zhan		
14:30	36: Heterodyne Method of Sulphide detection. Latest field results. Steve Collins	238: Automate lithology prediction process from well log data using Machine Learning and Deep Learning: A case study from Ha Lam coalfield, Vietnam Duy Thong Kieu		237: The First Sparse 3D Hardrock Seismic Survey at Olympic Dam Jared Townsend	9: Information System Articulated Techno- economic Decision Tree Template – Managing Digital Drilling Campaigns and Prospect Analytics Shastri Nimmagadda	284: Cost effective high-resolution marine streamer seismic acquisition and imaging solutions for new energy applications Andrew Long	93: A geophysically relevant proton conduction model for the upper mantle Sarath Patabendigedara	302: A first-pass inspection of regional airborne electromagnetic data in Western Australia Klaus Gessner		
15:00					Afternoon Tea					
Room					M3 + M4					
					Closing Plenary Session					
15:30				Summar	ry, Awards, AEGC24 update and final prese	entations				
Room					Mezzanine Foyer					
17:00- 18:00					Closing Reception					
10:00										

	Australasian Exploration Geoscience Conference 2023 MONDAY 13 March 2023 - SATURDAY 18 March 2023 Brisbane Convention & Exhibition Centre										
	As at 8 March 2023										
07.00			Saturday, 18 March 2023								
07:30 Room	P1	P2	Registration Open P3	P4	P5						
	Workshop 1	Workshop 2	Society Committee Meetings as required	Society Committee Meetings as required	ASEG Strategy Meeting						
08:30	AusGeochem: An Exploration Tool to Archive, Synthesise, Find and Extract Geochemistry Data	Advances in Seismic Acquisition: Innovations, Resolution, and Sustainability Applications for Mining	Society Committee Meetings as required	Society Committee Meetings as required	ASEG Strategy Meeting						
10:30			Morning Tea								
11:00	AusGeochem: An Exploration Tool to Archive, Synthesise, Find and Extract Geochemistry Data	Advances in Seismic Acquisition: Innovations, Resolution, and Sustainability Applications for Mining	Society Committee Meetings as required	Society Committee Meetings as required	ASEG Strategy Meeting						
12:30			Lunch	•							
13:30	AusGeochem: An Exploration Tool to Archive, Synthesise, Find and Extract Geochemistry Data		Society Committee Meetings as required	Society Committee Meetings as required	ASEG Strategy Meeting						
15:00			Afternoon Tea								
15:30	AusGeochem: An Exploration Tool to Archive, Synthesise, Find and Extract Geochemistry Data		Society Committee Meetings as required	Society Committee Meetings as required	ASEG Strategy Meeting						
17:00			End of Day								