

Day 1 - Tuesday 27th August

Room	Bute Hall
09:00	Opening Ceremony, Welcome Addresses
09:30	Plenary 1: Geoscience vision for future exploration and resource extraction. Cam McCuaig, Principal Geoscientist, BHP
10:00	Presentation of SGA-NEWMONT Gold Medal
10:15	Presentation of SGA Young Scientist Award
10:30	Break
10:45	Break
11:00	Plenary 2: Responsibility in Mining: How to make difficult decisions. Sarah Gordon, Satarla Ltd, UK
11:15	Plenary 2: Responsibility in Mining: How to make difficult decisions. Sarah Gordon, Satarla Ltd, UK
11:30	Presentation of SGA-KGHM Krol Medal
11:45	Presentation Mineralium Deposita Best Paper Award
12:00	Plenary 3: Hydrothermal Origins of Brucite, Banded Iron Formations, Transition Metal Sulfides and Life Mike Russell, Jet Propulsion Laboratory, CalTec.
12:15	Plenary 3: Hydrothermal Origins of Brucite, Banded Iron Formations, Transition Metal Sulfides and Life Mike Russell, Jet Propulsion Laboratory, CalTec.
12:30	Lunch and Posters 1

Lunch and Posters 1

Room	Bute Hall	East Quad LT	Kelvin Gallery	James Watt S. J15	Stevenson LT (JWS)													
Time	Theme	S	Presenter*	PI	Title	Theme	S	Presenter	PI	Title	Theme	S	Presenter	PI	Title			
14:00	Magmatic-hydrothermal systems from Porphyry to Epithermal		Kay	344	KEYNOTE: Andean Arc and Backarc Magmatic and Tectonic Processes and the Formation of Giant Cu, Au and Ag Porphyry Deposits	Adv. in understanding hydrothermal processes		Bauer	180	The structural setting of the Barsele Au deposit, Sweden			Bath	509	The critical role of architecture in constraining fluid flow and sustain chemical gradients in Late Archean Gold Systems, eastern Yilgarn			
14:15			Kay	344						Perret	11	The structural control on the gold mineralization at the Galat Sufar South deposit (Block 14, NE Sudan)			McCafferty	112	Critical Mineral Systems Under Cover: Insights from Magnetic, Gravity, and Magnetotelluric 3D Inversion Models, Southern Midcontinent, USA	
14:30			Kreiner	66			Links between tectonics, magmatism, and mineralization in the formation of Late Cretaceous porphyry systems in the Yukon-Tanana upland, Alaska, USA				Jones	6	The Invincible deposit: An example of pre-oregenic gold mineralization in the Eastern Goldfields, Western Australia			Nwaila	358	Automated facies classification and gold grade prediction using machine learning algorithms
14:45			S Novakimyan	430			Structural control and tectonic environment of the Cenozoic giant Kadjaran porphyry Cu-Mo and epithermal system, southern Armenia, Lesser Caucasus				Price	455	Reverse shear, horizontal shortening and lode-gold mineralisation along the Mougoodera Shear Zone, Western Australia			Zhang	378	Comparisons of Metallogenesis within the Pyrenees-Alps-Zagros-Himalaya collisional orogens
15:00			S Grosjean	228			Cenozoic porphyry and epithermal systems in the South Armenian Block, Lesser Caucasus, Armenia: new temporal, geochemical and petrogenetic constraints				Pinet	242	Stratigraphic and structural controls on Carlin-type mineralization in central Yukon (Canada)			Wiener	401	500 Myrs in the making: Control of Gondwana margin assembly on Carboniferous orogenic gold in Peru
15:15			Cooke	534	The East Sunda Arc, Indonesia – an emerging world-class porphyry Cu-Au province				S McIntire	497	Structural controls on ore formation at the Zaozigou gold-antimony deposit, West Qinling, China			Peng	10	Geodynamic and metallogenic reconstruction of the Neoproterozoic Qingyan greenstone belt: Evidence from petrogeochemistry and U-Pb geochronology		
15:30	Break																	
16:00	Magmatic-hydrothermal systems from Porphyry to Epithermal		tbv	n/a	Tribute to Jeremy Richards	Adv. in understanding hydrothermal processes												
16:15			Driesner	432	Revised model of porphyry-Cu formation: ore forms at the porphyry to epithermal transition, overprinting barren stockwork veining and potassic alteration													
16:30				Holwell	298		Fertilisation of porphyry magmas by Cu-Au sulfide melt mobilisation in the lower crust											
16:45				Hou	213		Recycling of metal-fertilized lower continental crust: Origin of non-arc Au-rich porphyry deposits at cratonic edges											
17:00				Large	253		Implications of the composite nature of the San Francisco Intrusive complex for the formation of the Rio Blanco-Los Bronces porphyry-Cu-deposits											
17:15				S Cajal	176		Platinum-group elements as a tracer of sulphide saturation in evolving magmas: application to the Rio Blanco Cu-porphyry deposit, central Chile											
17:30				S Carter	135		The nature of fluid evolution and migration in porphyry systems – evidence from the Yerington District, Nevada											
17:45				Chelle-Michou	418		INVITED: "Chlorimetry" of porphyry copper forming magmas, why does it matter?											
18:00	* Author listed is presenting author, not necessarily first author. S = Student Presenter																	

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Day 2 - Wednesday 28th August

Room	East Quad LT	Presenter	PI	Title	Kelvin Gallery	Presenter	PI	Title	James Watt S. J15	Presenter	PI	Title	Stevenson LT (JWS)	Presenter	PI	Title	G466	Presenter	PI	Title							
08:30	New discoveries – new views: Advances in the Science of Mineral Exploration	S Adair-Razek	510	Permeability network, alteration and mineralization of the Spifire basement-hosted uranium prospect, Western Athabasca, Canada.	Magmatic-hydrothermal systems: from Porphyry to Epithermal	S Breenfeld	149	KEYNOTE: Fertility Assessment in Porphyry Copper Exploration – An Industry Perspective	S Miles	119	Multi-scale advanced argillic footprints on emergent volcanoes: Milos island, Greece	S Daloure	478	Trace element signature of pyrite from Bagassi gold deposit, western Burkina Faso	The changing face of metal extraction- geology, biology and geomaterials	S Mothems	54	The use of geomaterials in the processing of a complex copper-gold ore deposit									
08:45		Ledru	388	The Mineral System concept applied to unconformity-related uranium deposits of the Athabasca Basin (Canada)		S Ihlenfeld	149		S Coltat	473	What does resemble the root zones of serpentinite-hosted black-smokers: insights from an Alpine analogue	S Spence-Jones	426	Synthesis of gold compositional data from petrography and detrital gold particles to characterize complex lode gold mineralisation.		S Fox	386	Evaluating processing attributes using hyperspectral mineralogy									
09:00		S McCuaig	554	KEYNOTE: Mineral Systems to Exploration Systems to Research Roadmaps		S Brugge	199		Zircon-Hosted Apatite Inclusions at La Granja Cu-Mo Porphyry: Implications for the Use of Apatite as a Probe of Magma Petrogenesis	Grant	490	Constraints on sub-seafloor hydrothermal mineralising processes and metal fluxes using deep sulphide-rich scales from the Rejkjanes geothermal system, Iceland	S Masson	275		Quantification of gold grains morphology in alluvial sediments, Moulin River, Appalachian Province, Quebec, Canada	S Horsburgh	302	Luminescence sorting to reduce energy use during ore processing								
09:15		S McCuaig	554			S Carrasco-Godoy	177		Using PGE geochemistry to assess magma fertility in the Polo Sur and Penacho Blanco Cu-porphry deposits, Centinela District, Northern Chile	Melekestseva	50	Diagenesis of Clastic Sulfide Sediments from the Semenov-3 Hydrothermal Field, Mid-Atlantic Ridge	S Moles	314		Detrital gold, heavy minerals and sediment geochemistry elucidate auriferous mineralization in southeast Ireland	S Palmer	296	Mapping and sampling for real-time development of mine plans in high-grade, narrow-vein, underground Mining								
09:30		González-Jiménez	35	Evaluating the role of the mantle as a source of metals for magmatic-hydrothermal ores in arc systems		S Matthews	523		Titanite petrology and chemistry from the Strontian Igneous Complex	S Barrote	179	4D history of the Nimbus VMS ore deposit in the Yilgarn Craton, Western Australia: a multi-disciplinary approach.	Marsh	540		Placer gold provenance, a site study comparing placer and lode gold chemistry and inclusions Black Mountain, Alaska	S Fedorov	36	Platinum Behaviour in Sulfide and Oxide Melts during The Metallurgical Processing of Copper-Nickel Ores								
09:45		Hughes	498	The metal budget above subduction zones: Evidence from pyroxenite xenoliths		Gabo-Ratio	515		Magma fertility related to porphyry copper mineralization potential in Sanglio, Baguio Mineral District, Philippines	S Richter	236	Identifying deep hydrothermal fluids that leach metals from the oceanic crust and generate seafloor VMS deposits	S Petrella	516		Naturally occurring Au nanoparticles associated with high-grade mineralization at the world-class Callie deposit, Northern Territory, Australia	S Möckel	464	Beneficiation of parite-rich rare earth ore from the Nam Xe South deposit, Vietnam								
10:00		Break																									
10:30		New discoveries – new views: Advances in the Science of Mineral Exploration	Huston	499		Crustal-scale controls on zinc-lead-silver deposits of the North Australian Zinc Belt: evidence from lead isotope geochemistry and surface wave tomography	Magmatic-hydrothermal systems: from Porphyry to Epithermal		S Sillitoe	130	Role of breccias in porphyry copper formation	Advances in understanding hydrothermal processes	Petersen	205		KEYNOTE: Same, same, but different: recent advances in our understanding of modern seafloor hydrothermal systems	S Feng	68	Geochronological and multi-isotopic evidence for the genesis of the post-magmatic and deeply-sourced Daluhang orogenic gold deposit, Jiaolong, China	The changing face of metal extraction	Jenkin	526	Gold and critical element recovery with environmentally-benign Deep Eutectic Solvents				
10:45			Hollis	193		Mapping Pb isotope variations across Ireland: from terrane delineation to deposit-scale fluid flow			S Bunker	84	The hypogene evolution of the Spence porphyry copper system, northern Chile		Petersen	205			S Weber	260	Episodic alteration of oceanic crust: Quantifying water-rock ratios with reactive-transport modeling		Thomas	139	Mineralization, Alteration and Age of the host at the Barsete orogenic gold deposit, Northern Sweden.	S Johnson	530	KEYNOTE: The development and future impact of biotechnologies for mineral processing and metal recovery	
11:00			S Doran	182		Correlated petrographic and isotopic studies (S, Pb) of carbonate-hosted Zn-Pb mineralization: the formation of the high-grade Island Pod, Lishan			Wu	118	Ore genesis of the Devonian superimposed Yulokenhalsu porphyry Cu-Mo deposit in CAOB: Insights from paragenesis and fluid inclusions		Anderson	267		Subseafloor Alteration of the Mafic Volcaniclastic-Hosted Tinakala SMS Deposit, Jean Charcot Troughs, SW Pacific	S Sugiono	117	Tracking an Archean orogenic gold deposit evolution through multiple sulfur isotopes		S Johnson	530					
11:15	S Drummond		495	Preliminary Results: The Tara Deep Zn - Pb Deposit, Navan, Co. Meath, Ireland.	S Schirra	457		Relative timing of sulfide precipitation at the Batu Hijau porphyry Cu-Au deposit, Sumbawa, Indonesia	S Stobbs	327	Origins of Si-Fe cap rocks at extinct seafloor massive sulphide (eSMS) deposits from the TAG Hydrothermal Field (26°N), Mid-Atlantic Ridge		Saintlain	143	A refined view of the 'Mesarchean gold event'	S Bowtell	399	KEYNOTE: Sustainability in the Mine Life Cycle									
11:30	McFarlane		381	Structural modification and associated remobilization of the San Vicente MVT deposit during the Andean Orogeny	Liang	413		Magnetite alteration and formation of porphyry Cu (Au) deposits	Rehvas	417	Zinciferous mineralization at the Neves-Corvo deposit, Iberian Pyrite Belt, Portugal: the other end of the spectrum		Thebaud	396	Tracing the S source reservoir of the Topicana gold camp, Western Australia	S Bowtell	399										
11:45	Höhn		151	Pre-metamorphic oxidation of the Broken Hill deposit at Agetegens (South Africa) revealed by Cu isotopes	Xiao	99		Chlorite alteration in porphyry Cu systems: New insights from mineralogy and mineral chemistry	Slack	19	Stratiform Tourmalinites: Revised Genetic Models and Exploration Applications		Molnar	414	The Saattopora orogenic Au-Cu deposit, Central Lapland Greenstone belt, Finland: fluid sources and timing of hydrothermal processes	Kivinen	462	Tools for foresight on land-use planning in mineral rich areas: A case from Northern Finland									
12:00	Sadeghi		402	GIS-based mineral system approach for prospectivity mapping of iron-oxide spate-bearing mineralisation in Bergslagen, Sweden	Plotinskaya	241		Porphyry Cu(Mo) deposits of the Urals: insights from molybdenite trace element geochemistry	Paradis	65	The distribution of trace elements in pyrite of carbonate-hosted sulfide deposits of the Kootenay arc of southern British Columbia, Canada		S Lyell	416	Evolving the genetic model for the Cononish gold deposit, Scotland: from prospect to mine												
12:15	Banks		535	Defining an alkaline igneous-associated REE-HFSE mineral system: a foundation to map plays, uncertainty and risks to project value																							
12:30	Lunch and Posters 1																										
14:00	New Discov. - New Views		Jacques	152	Late-orogenic W-Sn vein-type mineralization at Minas da Panasqueira (Portugal): a structural and in-situ Rb-Sr geochronological study	Magmatic-hydrothermal systems: from Porphyry to Epithermal		Chen	115	Identifying a superimposed porphyry-epithermal system based on alteration mapping: example from the Cretaceous Bengnan Cu deposit, Zijinshan ore district	Adv. in understanding hydrothermal processes		Kontonikas-Charos	325	Destabilisation of titanite in the Roxby Downs Granite surrounding the Olympic Dam Fe-oxide Cu-U-Au-Ag deposit	Gold - from orogenesis to a lull	Mortensen	219	KEYNOTE: Concepts and Revised Models for Phanerozoic Orogenic Gold Deposits		Kampmann	69	Life cycle assessment of European copper mining: A case study from Sweden				
14:15		S Kjaeter	423	Stream sediment geochemistry for regional prospectivity analysis: Tin, cesium, tantalum and tungsten anomalies in Lister, southeast Ireland	Huang		392	Asynchronous formation of the adjacent epithermal Au-Cu and porphyry Cu-Mo deposits in the Zijinshan orefield, southeast China	S Espeche	259		Skarns in Eastern Pampean Ranges of Córdoba, Argentina.	Mortensen	219	S Bodin		434	Linking mineral processing simulation with Life cycle assessment (LCA) to forecast potential environmental impacts of small-scale mining technologies development									
14:30		S Hubsbosch	78	INVITED: Tracking the magmatic-hydrothermal transition in the phosphate-rich Gatumba pegmatite dyke system (Kwarda) and its role on Sn mineralization.	Bozkaya		98	Mineralogical and Geochemical Evidence of Late Epithermal Alteration in the Kışladağ Porphyry Gold Deposit, Uşak, Western Turkey	S Andersson	155		Structural controls on sulphide (re)-distribution in Kiruna	Mortensen	219	S Robertson		225	Acid and Metalliferous Drainage (AMD): cause and effect, prediction and prevention – A journey through decades of experiences									
14:45		Vyrvasky	424	Assessment of scandium deportment and recovery potential in Li-Sn-W greisen deposit Cinovec/Zinnwald using ENNA, LA-ICP-MS and TMA automated mineralogy.	Khalmatov		131	Au-Ag-Te and Au-Ag-Se mineralizations as indicators of high- low sulfidation types of epithermal deposits of the Karama volcanic-plutonic region (Uzbekistan)	Lynch	203		Mo mineralization in western Bergslagen, Sweden, marks pre- and late-collisional tectonothermal events during Svecofennian orogenesis	Cunningham	105	Welsh and Spanish orogenic gold – a comparative study		S Pearce	524	An economic and risk based appraisal of standardised waste management strategies: using Fragmentation analysis to optimise the approach								
15:00		S Guimarães	458	Lithium, REE and trace-element contents of stanniferous-greisen mica (Rondonia Tin Province, Brazil) and their relation to REE-Sn-Rare-metal occurrence	Azovskova		82	Argillic alteration of the Mishnevskoe porphyry copper deposit (South Urals, Russia)	Melcher	204		Molybdenum metallogeny in the Tauern Window, Eastern Alps, Austria	MacKenzie	297	Orogenic Gold Deposits in the Variscan Belt in Northwestern Iberia		S Parbhakar-Fox	376	Utilising automated mineralogy and accelerated static tests to enhance kinetic testing evaluations								
15:15		Brand	200	Discovery, delineation and development of Australia's first cesium deposit: Exploration implications from applied technology.	Kodera		503	Fluid evolution and genesis of epithermal gold deposits hosted by a shear zone: Baraski Hőtráza, Slovakia	Robb	257		The acid phases of the Bushveld Complex – petrogenetic relationships and metallogeny	S Turfin	173	Topology as a tool to characterize gold stockworks		S Lindsay	532	Geochemical considerations for improved management of sulfide mine tailings.								
15:30	Break and Posters 1																										
18:00																											

Day 3 - Thursday 29th August

Room East Quad LT				Kelvin Gallery				James Watt S. J15				Stevenson LT (JWS)				G466									
Time	Theme	S	Presenter	PI#	Title	Theme	S	Presenter	PI#	Title	Theme	S	Presenter	PI#	Title	Theme	S	Presenter	PI#	Title					
08:30	Magmatic sulfide and oxide systems		Grobler	227	INVITED: Towards a stratigraphic framework for the Platreef, Northern Limb, Bushveld Complex, South Africa.	Mineral resources for green growth		Hayes	240		Adv. in understanding hydrothermal processes		Mucheze	8	Ta-Nb-Sn-W-Au mineralization in the Mesoproterozoic metasediments of the Kange-Ambale belt (Rwanda) and its relation to early Neoproterozoic orogeny & magmatism	Sustainable development of ore deposits		Hitch	548	KEYNOTE: Engagement and Emotional Response of the Narrative of Social License as Reflected in the Dominance of the Minerals Sector in Traditional and Social Media					
08:45			Brits	234	The structure and syn-magmatic tectonic influence on the Flatreef Deposit, Northern Limb, Bushveld Complex.			Hayes	240	KEYNOTE sponsored by SoS TeaSe: Challenges of byproduct recovery of critical elements			Bennett	400	Cassiterite as a record of Sn mineral system processes			Hitch	548						
09:00			McFall	34	Hydrothermal modification of magmatic sulphide Cu-Ni-PGE deposits in the Northern Bushveld Complex, South Africa.			Smith	398	Challenges and Opportunities in Tellurium Supply			Harlaux	133	Cassiterite deposition triggered by fluid mixing: Evidence from in-situ 618O-611B analysis of tourmaline from the San Rafael tin deposit, Peru			Jamieson	475		Secondary mineral assemblages associated with weathered mine and mill wastes, Cobalt Mining Camp, Ontario				
09:15			S Kaavera	326	Platinum-group mineralization at the Tubane area, northern Malopo Farms Complex, southern Botswana			S Martin	303	Tellurium and selenium systematics in mafic VMS from Cyprus: mineral, mound and regional scale controls			Li	420	Late Cretaceous (~80 Ma) magmatic-hydrothermal event associated with Sn polymetallic mineralization in the Nanling Range, South China			Jamieson	501		INVITED: Increasing Value and Decreasing Environmental Risk by Reprocessing and Stabilizing Tungsten Tailings at Carstung Mine, NT, Canada				
09:30			Staude	30	Spatial variations trace elements in magmatic Ni deposit: evidence for immiscible Te-As-rich melt formation (Kambalda, Western Australia)			S Armstrong	232	Te-rich protolith for PGE mineralisation in NE Scotland			S Jeske	429	Late-stage Sn-polymetallic hydrothermal overprint of the Pöhla-Hämmerlein skarn, W-Erzgebirge, Germany			S Nascimento	169		Geoenvironmental characterisation of the King River Delta: A combined geophysical, geochemical and mineralogical approach				
09:45			S Kutayev	114	Platinum Mineralization in Ural-Alaskan Complexes of Koryak Highlands (Far East Russia)			S Gigon	467	Minor and trace element concentrations in sphalerite and galena from the HVC Pb-Zn deposit and nearby prospects (McArthur Basin, Australia)			S Deady	444	The South-West English Metalliferous Province: Concentration of tungsten by hydrothermal processes for future critical raw materials supply			S Vanderzee	491		Carbon Sequestration in Ultramafic Mine Waste: Potential for Carbon Neutral Mining				
10:00	Break																								
10:30	Magmatic sulfide and oxide systems		Taranovic	300	Now – Bollinger Ni – Cu Sulfide Ore Deposits, Fraser Zone, Western Australia: Petrology of the Host Intrusions	Mineral resources for green growth		S Cugerone	71	Germanium concentration associated to sphalerite recrystallization: an example from the Pyrenean Axial Zone	Adv. in understanding hydrothermal processes		Seltmann	549	KEYNOTE - IAGOD Distinguished Lecturer: Textures in mineral exploration: smoking gun or red herring?		S Maselela	141	New constraints on fluid composition of the Neoproterozoic Black Reef, South Africa						
10:45			Barnes	49	Sulfide-silicate textures and emplacement mechanisms of the Nova-Bollinger ores, Fraser Zone, Western Australia			S Henning	270	Germanium, Gallium and Indium distribution in base metal sulfides from hydrothermal veins of the Ruhr and Bergisches Land districts, Germany			Seltmann	549	KEYNOTE - IAGOD Distinguished Lecturer: Textures in mineral exploration: smoking gun or red herring?		S Comuso	280	Fluid inclusion analysis and isotopic investigation of two structurally constrained gold mineralization in the Fairview mining complex, Barberton, South Africa						
11:00			Tucker	379	The Grasset Ultramafic Complex – A new nickel district in the northern Abitibi greenstone belt, Canada			S Cazorla Martinez	157	Distribution of Indium in the Animas - Chocaya - Siete Suyos District			Bhattacharya	452	Mineral paragenesis, geochemical changes and fluid evolution vs- δ -vis greisenization at Degana tungsten deposit, India		S Mesquita	373	Shearing and fluid evolution of Porto Nacional Orogenic Gold District, Transbrasiliano-Kandi Shear System, Brazil						
11:15			Keays	67	The enigma of the Ni-Cu-PGE sulphide ores of the Sudbury Igneous Complex: what was the source of the metals?			S Benites	269	Ore mineralogy of the in-bearing Ayawitca Zn-Ag-Sn-Cu project, Pasco, Peru			Moon	544	Thallium as an indicator of regional fluid flow? A case study from SW England		S Voisey	348	A unique (?) telescoped orogenic system: Insights from the Fosterville gold deposit.						
11:30	SGA General Assembly																								
12:30	Lunch and Posters 2																								
14:00	Magmatic sulfide and oxide systems		Marques	360	Review of the formation of the thick chromitite of the Jacurici Layered Complex (Brazil): new evidences from inclusions in chromite	Mineral resources for green growth		S Kresse	245	Global cobalt resources, production and future sources of supply	Adv. in understanding hydrothermal processes		Jansson	86	An updated genetic model for metamorphosed and deformed, c. 1.89 Ga magnesian Zn-Pb-Ag skarn deposits, Sala area, Bergslagen, Sweden	Gold - from orogenesis to alluvial		Castonguay	333	Gold metalotects and mineralization styles of northwestern Abitibi greenstone belt, Canada		Cleverley	538	KEYNOTE: How will technology facilitate Agile Discovery?	
14:15			Wang	166	Apatite-hosted melt inclusions from the Faxituhua gabbroic layered intrusion associated with a giant Fe-Ti oxide deposit in SW China			Graham	95	Germanium and cobalt in sedimentary rock-hosted deposits of northwestern Alaska			Raith	87	Stanniferous silicates in an exotic scheelite skarn close to the Fehrbellert tungsten mine, Eastern Alps, Austria			Frimmel	4	Au- and U-bearing conglomerates in the Bababudan Group, Dharwar Craton, India		Cleverley	538		
14:30			S Kruger	122	Field and geochemical constraints on the origin of massive magnetite layers of the Bushveld Complex, South Africa			S Fox	202	The genesis of Carlow Castle: A unique Australian orogenic Cu-Co-Au deposit in the Archean Pilbara Craton			S Roedel	472	Skarn mineral paragenesis at Delitzsch tungsten occurrence, Central Germany: Proximal and distal mineral zoning			Harjanto	28	The geological characteristics of metasedimentary rock-hosted orogenic gold deposit in Awak Mas area, Indonesia		Gregory	175		A Comparison of Random Forests and Cluster Analysis to Identify Ore Deposits Type Using LA-ICP-MS Analysis of Pyrite
14:45			Idrus	198	Geology and ophiolite complex-hosted magmatic Fe-Ni-Cu-Au mineralization in Sebuku Island, Indonesia			S Mulroy	406	Potential for low cost bioprocessing of Co and Ni from Nkomona lateritic ore.			S Hantsche	299	District-scale geochemical signatures of calc-silicate skarn minerals from the Pb-Zn (±Ag, Cu) distal skarn deposits in Madan, Bulgaria			Bullock	59	Gold in Irish coal: Palaeo-concentration from metalliferous groundwaters		Liu	315		3D ore prediction by MLAs based on computational modeling in maturely explored area: A case study in Anding orefield, China
15:00			Dare	445	KEYNOTE: Pathfinder mineral geochemistry for magmatic oxide and sulfide mineralization: insights from trace elements in Fe-oxides determined by laser ablation ICP-MS			S Vasilopoulos	153	Sulphide trace element, sulphur isotope and hydrothermal alteration studies in the Jusmusuo and Hangaslampi Au-Co deposits, Kuusamo belt, northeastern Finland			Peytcheva	319	Relative and absolute timing of the KMC Cu-Au skarn deposit in Rogozna Mountains (SW Serbia) using garnets			von der Heyden	282	Gold growth under low temperature conditions: a case study from the Amani Placer Gold Deposit, Tanzania		Luth	318		Building 3D geomodels using XRF-XRT-generated drill core data: The Lovisa-Hämsböda base metal- and Stråssa-Blanka iron deposits in Bergslagen, Sweden
15:15			Dare	445	KEYNOTE: Pathfinder mineral geochemistry for magmatic oxide and sulfide mineralization: insights from trace elements in Fe-oxides determined by laser ablation ICP-MS			Lehmann	265	Trace elements in Cu-(Fe)-S sulphides from inactive hydrothermal vent sites at TAG, Mid-Atlantic Ridge			Zhang	461	Formation of the Xintianling scheelite skarn deposit, Nanling Range, South China: Insights from petrology, mineral chemistry and C-H-O-S-Pb isotopes										
15:30	Break and Posters 2																								
18:00																									

Day 4 - Friday 30th August

Room	East Quad LT	Kelvin Gallery			James Watt S. J15			Stevenson LT (JWS)			G466					
Time	Theme	S	Presenter	PI	Title	Theme	S	Presenter	PI	Title	Theme	S	Presenter	PI	Title	
08:30	Magmatic sulfides and oxide systems		Florentini	223												
08:45			Florentini	223	KEYNOTE: Reactivation and enrichment of a Gondwana margin Ni-Cu-PGE-(Te-Au) mineral system during the breakup of Pangea											
09:00			Larsen	247	Importance of deep-seated ultramafic magma-reservoirs in conditioning for Cu-Ni-PGE formation in upper-crustal mafic-ultramafic formations	Wall	170									
09:15			S Ward	218	Ni-Cu-(PGE) Fertility of the Zambezi belt rift magmatism: source and temporal controls	Wall	170	KEYNOTE: Recipes for Rare Earth Deposits								
09:30			S Blanks	220	Insights into the origin of the Munali magmatic sulfide deposit: Evidence for a hidden Cu endowment?	Finch	212	The architecture and geochemistry of magmatic roof zones: implications for mineralization and exploration								
09:45			S Choi	244	Fluorine and PGE-Au elevated signature of alkaline magmas from the Yilgarn Craton: insights into mantle fertility	Goodenough	56	The importance of post-collisional magmatism for global rare earth element resources								
10:00		LI	148	Widespread PGE depletion in the Tarim CFAs of NW China and implications for the ore potential in the Tarim LP	Decrée	221	Overview of the European phosphate deposits and occurrences: A project dedicated to phosphate mineralizations and associated critical raw materials									
10:15		S Mizstela	42	Using Platinum Group Element geochemistry to determine magma fertility of Mount Hagen, Papua-New Guinea	Mauk	301	Mineral resources for green growth in the U.S.									
10:30	Break															
11:00	Magmatic sulfide and oxide systems	S Lindsay	320	Distinct sulphur saturation histories of the Palaeogene Magilligan Sill, Northern Ireland: Implications for Ni-Cu-PGE exploration in the North Atlantic	Hofstra	273	Punctuated release of Lithium from Past Igneimbrite Eruptions: Key to Present Lithium-Brine Resources in the Western U.S. & Central Andes	Hanlci	395	Sulphur and Lead Isotope Characteristics of Hakkarli Zn-Pb Province, SE Turkey: Implications for Ore Genesis	Vasconcelos	545		Ireland	541	
11:15			Groshev	405	Thermal modelling of the Palaeoproterozoic Fedorova layered intrusion, Kola Region, Russia: implications for the origin of contact-style PGE mineralization	Annesley	520	The Geology and Mineralogy of High-Grade Rare Earth Element (REE-Ti-U) Mineralization at Alces Lake, Saskatchewan (Canada)	S Currie	465	Revised genesis for Scotland's largest Pb-Zn deposit	Vasconcelos	545	KEYNOTE: Single and Multiple Weathering-Erosion Cycles in Supergene Ore Genesis	Ireland	541
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