

Wednesday 2nd

1730-1830	Registration opens & icebreaker drinks - Sponsored by Cornish Lithium
1830-1930	Opening talks and keynote talk by Robin Shail <i>The old, the new and the revisited: granites, mineralisation and deep geothermal energy in SW England</i>
1930-late	Pasties and beer [‡]

Thursday 3rd

Mafic mineralisation & Sedimentary mineralisation sponsored by Anglo American

0900-0915	Mafic mineralisation	Katie McFall - KEYNOTE	Primary volatiles in layered intrusions and their effect on PGE mineralisation
0915-0930			
0930-0945		Jordan Lindsay*	From Continent to Ocean – the Platinum-Group Element Geochemistry of the Migrating Tristan Plume
0945-1000		Daryl Blanks*	Unravelling the dynamic emplacement of the carbonate-rich Munali Ni-Cu-PGE breccia deposit, Zambia
1000-1015		Sam Walding	Exploration for magmatic Ni-Cu-Co sulphide deposits in a convergent tectonic setting – a case study in southeast Sweden
1015-1030		William Smith*	Magmatic Ni-Cu-PGE sulphide potential of the New Québec Orogen, Northern Québec
1030-1045		Andrew Martin*	A magmatic end member: The Mala volcanogenic massive sulphide (VMS) deposit, Troodos, Cyprus

Morning coffee - Sponsored by Anglo American

1045-1100	Sedimentary mineralisation		
1100-1115			
1115-1130		James Davey*	The Role of Potassic Brines in the Formation of the Zambian Copperbelt
1130-1145		Maria Boni	Stable isotopes of the Nonsulfide Zn-Pb ores in the British Isles
1145-1200		Vlassis Papadopoulos*	Mississippi-valley type iron and manganese deposits? Multi-proxy evidence for large-scale brine circulation and alkali metasomatism in the Kalahari and Postmasburg Fe-Mn fields

New techniques with breaks sponsored by Tescan and Zeiss

1200-1215	New techniques	Steve Hollis	Targeting VHMS mineralization in metamorphosed volcanic terranes
1215-1230		Tom Matthews*	On the Source of Gold in the Strath of Kildonan: Insights from Microchemical Characterisation and LA-ICP-MS
1230-1245		George Stondage*	Mineralogical Classification and Element Partitioning/Deportment within a new type of Scandium Occurrence – an Integrated Workflow Approach

Lunch - Sponsored by Zeiss

1245-1300	New techniques		
1300-1315			
1315-1330			
1330-1345			
1345-1400		Mariola Zajac	Tailoring the Operational Mineralogy Toolkit to the needs of the mine site.
1400-1415		Andrew Menzies	Automated Mineralogy: Analysis of REE samples using micro-XRF
1415-1430	Marek Dosbaba	Mineralogical and petrological applications of TESCAN Integrated Mineral Analyzer (TIMA)	
1430-1445	Alan Butcher - AMG sponsored KEYNOTE	New Advances in the Technology for Exploring, Mining, Processing and Understanding Ore Deposit Geology - from 2D to 4D - macro- to nano-scale	
1445-1500		Matt Grimshaw	An Integrated Approach to Lithological and Structural Mapping
1500-1515		Ryan Langdon	Implicit Modelling for Industrial Minerals – Leapfrog Geo in Action

Afternoon tea - Sponsored by Tescan

Future mining

1600-1615	Future mining	Kate Moore	The re-emergence of small deposit mining: technological solutions for raw materials supply security in a whole systems context
1615-1630		Liam Bullock	Mineral carbonation and carbon dioxide sequestration potential of ore-producing mining operations worldwide
1630-1645		Karen Hudson-Edwards	Mine tailings: Geochemistry, mineralogy, impoundments, resources
1645-1700		Nic Bilham*	Responsible sourcing of minerals: putting values into the value chain

Poster session - Poster boards sponsored by Blue Scientific. Drinks sponsored by Petrolab, Cornwall Resources, and the North of England Institute of Mining and Mechanical Engineers

Buses to Royal Duchy Hotel

Conference dinner - Drinks sponsored by SRK Consulting & Student poster prizes sponsored by Anglo American

[‡] Other drinks are available too!

Friday 4th

Unusual mineral deposits sponsored by Mkango Resources

0830-0845	Unusual mineral deposits	Martin Smith	Micro- to Macroscale controls on REE distribution in the Ambohimirahavy ion adsorption deposit, Madagascar.
0845-0900		Andrew Dobrzanski*	The influence of magmatic and volatile evolution upon Lanthanoid fractionation within peralkaline magmas (Norra Kärr, Sweden)
0900-0915		Holly Elliott	The significance of metasomatic alteration surrounding carbonatite complexes as a REE-enrichment indicator
0915-0930		Adam Matthews	Cornish Lithium: A New Metal From An Old Mining Area – Lithium exploration in SW England
0930-0945		Fraser Craig	The characterisation of Cornish crosscourses
0945-1000		Eimear Deady*	Controls on antimony mineralisation in 'cross-course' veining in SW England
1000-1015		Paul Armitage	New geological observations at the Songwe Hill carbonatite-hosted REE project, Malawi – implications for deposit geometry and hidden resources

1015-1030

Morning coffee - Sponsored by Mkango Resources

1030-1045

Granite-hosted mineralisation sponsored by Addison Mining Services

1045-1100	Granite-hosted mineralisation	Paul Nex - KEYNOTE	Uranium, lithium, tin, and gem tourmaline pegmatites in the Damara Orogen, Namibia: tectono-metamorphic context and implications for pegmatite genesis.
1100-1115			
1115-1130		Charlie Moon	Geology and genesis of the Musha-Ntunga Sn-Ta-Li-Nb vein-pegmatite deposit, Rwanda: first results from deep drilling of a coltan mine in Rwanda and first detailed description of Li minerals
1130-1145		Benedikt Steiner	Sn-W and Li-Cs-Ta geochemical signatures in I-type granites – a case study from the Vosges Mountains, NE France.
1145-1200		Chris Yeomans*	Regional exploration for tungsten in SW England using machine learning algorithms with few known occurrences
1200-1215		Alex Marshall	Developing a model for the structural and mineralogical controls on higher-grade W mineralisation at the Hemerdon W-Sn Deposit

1215-1230

1230-1245

Lunch & AGM of the MDSG - Drinks sponsored by Addison Mining Services

1245-1300

1300-1315

1315-1330	Granite mineralisation	Julie Michaud*	The Hübnerite/Ferberite ratio as an exploration tool for W-deposits
1330-1345		Judith Kinnaird	A unifying model for tin mineralisation in granites-pegmatites-greisens and veins: an African perspective
1345-1400		Laurence Robb	Polymetallic mineralization in the Lebowa Granite Suite, Bushveld Complex – IOCG look-alikes?

Porphyry copper deposits sponsored by Olympus

1400-1415	Porphyry Cu deposits	Chris Heinrich - SEG sponsored KEYNOTE	The chain of processes leading to the formation of porphyry Cu-Au ore deposits
1415-1430			
1430-1445		Chetan Nathwani*	Apatite chemistry as an igneous fertility indicator for porphyry copper deposits: a study of the volcanic sequences of Central Chile
1445-1500		Lawrence Carter*	Exsolution depth and migration pathways of mineralising fluids in porphyry systems – examples from the Yerington District, Nevada

NB - 1445 for 1504, last train to Leeds, Durham, from Penryn

1500-1515

Afternoon cream tea - Sponsored by Olympus

1515-1530

1530-1540

Student talk prizes - Sponsored by Rio Tinto

NB - 1545 for 1604, last train to Leicester, Nottingham, from Penryn

1540-1555	Porphyry Cu deposits	Olga Plotinskaya	Palaeozoic porphyry Cu (Mo, Au) deposits of the Urals
1555-1610		Matt Loader	Potassic to sericitic transition in a porphyry system: an example from Oyu Tolgoi
1610-1625		Jamie Wilkinson	A new paradigm for the origin of propylitic alteration in porphyry ore systems
1625-1640		Jeremy Richards	What is the probability of making a giant porphyry Cu deposit?

End of conference

NB - 1645 for 1704, last train for connections to Southampton from Penryn

NB - 1645 for 1825, last flight from NQY to LGW (allow 70 mins taxi drive, 30 mins check in with no hold luggage)

NB - 1720 for 1740, last train for London, Cardiff, Bristol, Birmingham, and Oxford from Penryn

*Student speaker

Saturday 5th

Local fieldtrip to Poldark Mine and the United Downs Deep Geothermal Power Project (*booking in advance required - see MDSG2019.co.uk*)

Conference website MDSG2019.co.uk - Sponsored by Imerys & created and hosted by Smashing Design