Thursday 3 January

0800  REGISTRATION (Bennett Foyer) and COFFEE (TA1, SB)
0820  Welcome (Rattray), Dave Holwell (University of Leicester)

SESSION: CRUSTAL TO MICRO-SCALE CONTROLS ON GOLD DEPOSITS (RATTRAY). Chair: Dave Holwell

0830  Keynote: Richard Goldfarb (USGS)
       Gold metallogeny and Earth evolution
0915  P Treloar (Kingston University)
       The Massawa gold deposit, Eastern Senegal, West Africa: an orogenic gold deposit sourced from
       magmatically derived fluids?
0930  J Lambert-Smith (Kingston University) STUDENT
       Orogenic gold in the Senegal-Mali Shear Zone: fluid sources and potential for IOCG systems in the
       Birimian of West Africa
0945  B Yardley (University of Leeds)
       Pegmatite Fluids as a Source for Gold Mineralisation
1000  N Hill (University of Leicester) STUDENT
       Nature and constraints on genesis of newly identified gold targets in the Tyndrum area, Scotland
1015  S Lawther (Dalradian Gold)
       Curraghinalt Gold Deposit, Co.Tyrone, N.Ireland
1030  C. Rice (Aberdeen University)
       Dating vein-hosted gold deposits in the Caledonides of N. Britain
1045  COFFEE BREAK (TA1, SB), sponsored by Scotgold

SESSION: NI-CU-PGE DEPOSITS (RATTRAY). Chair: Iain McDonald

1115  Keynote: Tony Naldrett (University of the Witwatersrand)
       What we know, what we think we know and what we don’t know about the concentration of PGE
       and chromite in the Bushveld
1200  J Smith (University of Leicester) STUDENT
       The nature and setting of PGE mineralisation in the Rooipoort area, south of Mokopane, northern
       Bushveld Complex
1215  W Brownscombe (Natural History Museum) STUDENT
       The Sakatti magmatic Ni-Cu-PGE deposit, northern Finland
1230  R Seltermann (Natural History Museum)
       Jackpot at the P-T boundary: hot LIPs and giant deposits across Eurasia
1245  LUNCH (TA1, SB), sponsored by Helio Resources. Posters can viewed in TA2 and TA3

SESSION: PORPHYRY/EPITHERMAL SYSTEMS 1 (RATTRAY). Chair: Jamie Wilkinson

1330  Keynote: Jeremy Richards (University of Alberta), sponsored by NERC
       Porphyry and epithermal systems in subduction and post-subduction settings
1415  D Smith (University of Leicester)
       Lower crustal cumulates and porphyry fertility
1430  S Tapster (University of Leicester) STUDENT
Plateau driven porphyry formation? The geodynamic context of Cu + Au mineralisation in the Solomon Island Arc

1445  COFFEE BREAK (TA1, SB) sponsored by Midland Valley (with demonstration of MOVE software in SB)  Posters can be viewed in TA2 and TA3

**SESSION: PORPHYRY/EPITHERMAL SYSTEMS 2 (RATTRAY). Chair: Richard Herrington**

1515  M Loader (Imperial College) STUDENT
The evolution of porphyry Cu deposit magmas

1530  E Spencer (Imperial College) STUDENT
The roles of intermediate density fluids, vapours and brines in the formation of Mo-rich porphries: Evidence from the El Teniente Cu-Mo deposit, Chile

1545  R Harrison (University of Tasmania) STUDENT
Tumpangpitu Porphyry-High Sulfidation Epithermal Deposit, Tujuh Bukit Project, Indonesia – Geology, Alteration and Mineralisation

1600  D Holder (Kingston University) STUDENT
Understanding deposit telescoping and the epithermal-porphyry transition in the Brad-Sacaramb mineral district of western Romania.

1615  J. Naden (BGS)
Alteration, mineralization, and geochemistry of the Viper (Sappes) epithermal Au–Ag–Cu–(Sb–Te–Se) orebody, Thrace, NE Greece

1630-1800  POSTER SESSION (TA2, TA3), sponsored by CSA Global

1930  Drinks reception (Athena)
2000  Conference Banquet, (Athena) sponsored by SRK Consulting and SRK Exploration Services
Friday 4 January

0800  REGISTRATION (Bennett Foyer) and COFFEE (TA1, SB)

SESSION: NEW DEVELOPMENTS AND DISCOVERIES IN EXPLORATION 1 (RATTRAY), Sponsored by Antofagasta.
Chair: Lawrence Robb

0845  Keynote: Richard Sillitoe (SEG International Exchange Lecturer)
Exploration and discovery of base- and precious-metal deposits in the circum-Pacific region

0930  R Chapman (University of Leeds)
The Yukon Gold Project

0945  A Bjorklund (Magnus Minerals)
The relationship between major ore deposits and geochemical provinces in Finland

1000  COFFEE BREAK (TA1, SB), sponsored by Lonmin
(Demonstration of MOVE software by Midland Valley in SB)

SESSION: APPLIED MINERALOGY (RATTRAY), Sponsored by the Applied Mineralogy Group. Chair: Bruce Yardley (NOTE PARALLEL SESSION)

1030  Keynote: Ian Cilliers (Imperial College)
Particles at Interfaces: the effects of shape and contact angle

1115  R Herrington (Natural History Museum)
Mineral-scale studies of acid leaching of nickeliferous goethite ores: implications for large-scale heap leach behaviour

1130  M Boni (Università Federico II),
The "Calamine" and the others: the great family of supergene Nonsulphide Zinc ores

1145  L Santoro (Università Federico II), STUDENT
The Nonsulphide zinc mineralization of Reef Ridge, Alaska

1200  F Molnar (Geological Survey of Finland)

1215  K Anderson (Camborne School of Mines) STUDENT
Quantitative mineralogical and chemical assessment of the Nkout Iron Ore Deposit, Southern Cameroon

1230  I Baksheev (Moscow State University)
Mineralogy of the Baimka Cu-Au trend, Chukchi Peninsula, Russia

SESSION: ORE DEPOSIT RESEARCH IN PROGRESS (LT1). Chair: Jon Naden (NOTE PARALLEL SESSION)

1030  S Kocher (Imperial College) STUDENT
Hydrothermal vein formation in the Southern Schwarzwald ore district

1045  B Snook (Camborne School of Mines) STUDENT
Magmatic or hydrothermal? High purity quartz from south Norwegian pegmatites

1100  R Williams (University of Brighton) STUDENT
A study on the structural evolution of karst-associated bauxites of the Parnassos-Ghiona Zone, Central Greece

1115  G Boudoire (CRPG-CNRS) STUDENT
Petrology of melt inclusions bearing xenoliths from the Oldoinyo Lengai, Tanzania

1130  M McGloin (Monash University) STUDENT
How do we get uranium out of crystallised granites? A synchrotron scanning X-ray fluorescence micromapping study of a U-REE deposit source rock

1145  K Morgan (University of Leicester) STUDENT
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<th>Time</th>
<th>Speaker/Title/Institution</th>
<th>Title</th>
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<tbody>
<tr>
<td>1200</td>
<td>J Nowecki (University of Southampton) STUDENT</td>
<td>Constraining a genetic model for mineralisation at the Hana Mining Ltd. Ghanzi copper-silver Project, Botswana: Source and evolution of fluids</td>
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<td>1215</td>
<td>E Firth (University of Leicester) STUDENT</td>
<td>Stable isotopic evidence of an evolving fluid system within the Zambian Copperbelt.</td>
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<td>1230</td>
<td>R Langdon (Camborne School of Mines) STUDENT</td>
<td>Base metal-rich, orogenic gold-style mineralisation at Talca, coastal cordillera, Chile</td>
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<td>1245</td>
<td>LUNCH (TA1, SB), sponsored by Olympus InnovX</td>
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**Session: New Developments and Discoveries in Exploration 2 (Rattray). Chair: Steve Roberts**

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<tr>
<td>1330</td>
<td>S Jowitt (Monash University)</td>
<td>Global Cu Resources: Changing trends and endowments</td>
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<td>1345</td>
<td>G Nicoll (Neftex)</td>
<td>Using the Neftex Earth Model for mineral exploration</td>
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<td>1400</td>
<td>E Hill (Carl Zeiss Microscopy)</td>
<td>MineraLogic - Automated Ore Analysis Solution</td>
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<td>1430</td>
<td>J Hogg (Micromine)</td>
<td>The application of computerised 3D modelling software and data capture in mineral exploration and resource development</td>
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**Session: MDSG AGM (Rattray)**

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<tr>
<td>1500</td>
<td>COFFEE BREAK (TA1, SB), sponsored by Micromine</td>
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**Session: Critical Metal Supply to the UK (Rattray). Chair: Gus Gunn**

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<tr>
<td>1530</td>
<td>Session: J Andersen (Camborne School of Mines)</td>
<td>Indium mineralisation in Southwest England</td>
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<td>1545</td>
<td>K Goodenough (BGS)</td>
<td>Enrichments in the critical metals: interplay of magmatism, deformation and fluid flow</td>
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<td>1600</td>
<td>K Moore (Camborne School of Mines)</td>
<td>The origin of MREE- and HREE-enrichments in carbonatites: evidence from field, petrographic and experimental investigations</td>
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<td>1615</td>
<td>L Robb (Oxford University)</td>
<td>New perspectives on the metallogeny of Malaysian tin granites</td>
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<td>1630</td>
<td>PANEL SESSION</td>
<td>Including: G Gunn (BGS), R Herrington (Natural History Museum), K Moore (Camborne School of Mines), K Roelich (University of Leeds)</td>
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**Invited speaker talk (Rattray): Graham Brown (Anglo American)**

Sustainable Exploration – A Major’s Perspective

**Close of meeting: Dan Smith**