TUESDAY PROGRAMME

www.35igc.org
**Tuesday 30 August**

### Tuesday - Plenary Session
Plenary Session 3  
**Auditorium 1**  
12:15–12:45

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<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
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| 12:15 | # 5590 | Breaching The Boundaries Between Science And Profession – An Imperative For Geoscience In The Service Of Society  
*Ms. Ruth Allington (PLENARY SPEAKER)* |

### Tuesday - Plenary Session
Plenary Session 4  
**Auditorium 1**  
12:45–13:15

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<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
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| 12:45 | # 5555 | Africa, humans and the global climate  
*Robert Scholes (PLENARY SPEAKER)* |

### Tuesday - Session 3
**T1.3 - Geoheritage and Conservation**  
**MR 1.62**  
08:00–10:00

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<th>TIME</th>
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| 08:00 | # 174  | Geoheritage of the Great Escarpment of South Africa  
*Prof. Morris Viljoen* |
| 08:15 | # 5385 | An Overview of the Geoheritage of Africa  
*Dr. Richard Viljoen* |
| 08:30 | # 3352 | The Richtersveld: an ancient desert mountainland  
*Prof. David Reid* |
| 08:45 | # 5389 | Geoheritage of the Cape Fold Mountains  
*Dr. Richard Viljoen* |
| 09:00 | # 250  | Geotourism in National Parks of Southern Kenya and Northern Tanzania: Spectacular Landforms Associated with Basement Platforms, the Gregory Rift and Neogene-Recent Volcanoes  
*Dr. Roger Scoon* |
| 09:15 | # 252  | The Arusha National Park, Northern Tanzania: Geotourism and Volcanology of Mount Meru  
*Dr. Roger Scoon* |
| 09:30 | # 3454 | The Danakil Depression: An exceptional place where different types of extreme environments coexist  
*Prof. Asfawossen Asrat Kassaye* |

### Tuesday - Session 4
**T1.4 - Geoheritage and Conservation**  
**MR 1.62**  
10:30–12:00

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<th>TIME</th>
<th>PAPER #</th>
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| 10:30 | # 2941 | US Geoheritage and Geoliteracy : Sustainable Fossil Parks and Public Geoscience Education  
*Prof. Renee Clary* |
| 10:45 | # 2509 | Geoheritage and Geotourism potential of the Baginda Hill, Belitung Island, Indonesia  
*Mr. Putra Herianto* |
| 11:00 | # 1770 | Jaisalmer basin in Thar desert - potential for developing geopark in Rajasthan, West India  
*Dr. Sudesh Wadhawan* |
*Dr. Suresh Mathur* |
| 11:30 | # 1073 | Geotourism - an area that need special attention in Tanzania  
*Dr. Emma Msaky* |
| 11:45 | # 163  | Yogyakarta and its surrounding as geotourism destination: alternative media to transfer sciences and geological information to the society  
*Prof. Conradus Danisworo* |

### Tuesday - Session 5
**T1.5 - Geoheritage and Conservation**  
**MR 1.62**  
14:00–15:30

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<th>TIME</th>
<th>PAPER #</th>
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</table>
| 14:15 | # 2896 | Developing sustainable palaeotourism in South Africa. The Kitching Fossil Exploration Centre, in the Eastern Cape as a case study.  
*Dr. Ian McKay* |
| 14:30 | # 4369 | Homo sapiens Corridor—Cradle of our species & emergence of our culture  
*Dr. John Malcolm Anderson* |
| 14:45 | # 4365 | 1st-person Short Stories from Mitochondrial Eve to Mandela—along the Homo sapiens Corridor  
*Dr. John Malcolm Anderson* |
### Tuesday - Session 6

**T1.6 - Geoheritage and Conservation**

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<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
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| 16:00 | # 4224  | Geodiversity underpins biodiversity – examples from Australia  
Dr. Vic Semeniuk |
| 16:15 | # 1969  | Geodiversity vs biodiversity in protected areas of Lithuania: examples, protection measures and problems  
Dr. Grazina Skridlaite |
| 16:30 | # 2005  | Geobotany of the Koedoesfontein Complex in the Vredefort Dome, South Africa.  
Mr. Ricart Boneschans |
| 16:45 | # 2163  | Geological relics and geopark in Anhui Province, China  
Prof. Weiping Wu |
| 17:00 | # 1088  | Pride and Prejudice: 20 Years of Promotion of Earth Sciences through Geoparks and World Heritage Sites  
Dr. Wolfgang Eder |
| 17:15 | # 4595  | Global Geosites: an active, partially-achieved geoheritage inventory initiative waiting to regain official recognition  
Dr. Enrique Díaz-Martínez |

### Tuesday - Session 3

**T3.3 - Geological mapping of Africa – a key for sustainable use of earth resources**

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| 08:00 | # 797   | Geochronology on rocks from Rwanda: deposition, magmatism and mineralization  
Dr. Gerrit de Kock |
| 08:15 | # 1967  | The role of a national geological survey in artisanal and small-scale mining (ASSM)  
Dr. John Tychsen |
| 08:30 | # 3351  | A decade of joint geological mapping by Geological Survey of Finland and Geological Survey of Tanzania  
Mr. Kristian Lindqvist |
| 08:45 | # 3433  | Workflow and challenges in the geological mapping of Uganda 2008-2012  
Dr. Hannu Mäkitie |
| 09:00 | # 3664  | The New Minerogenic Map of Tanzania – An Integral Part of the Geological and Mineral Information System of the Geological Survey of Tanzania  
Dr. Andreas Barth |
| 09:15 | # 3834  | The South Africa geological suitability for underground source heat pump system (USHP)  
Prof. Antonio Galgaro |
| 09:30 | # 3837  | Geological Surveys in developing countries - Analysis of strengths and weaknesses for different types of administrative organization  
(public institutions vs state department)  
Dr. Bonijoly Didier |
| 09:45 | # 5587  | New 1/2,5 million scale Geologic and Mineral Occurrences maps of the Democratic Republic of Congo  
Dr. Max Fernandez-Alonso |

### Tuesday - Session 4

**T3.4 - Regional Geological Mapping**

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<th>TIME</th>
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| 10:30 | # 3825  | Towards a new geodynamic model for the western Namaqua Province  
Dr. Paul Macey (KEYNOTE SPEAKER) |
| 10:45 | # 877   | Geological evolution of the Aurus Mountains, Sperregebiet Domain, Namibia  
Dr. Bob Thomas |
| 11:00 | # 4736  | The Lower Fish-River/Onseepkans Thrust Zone: Time constraints and insights into Namaquan thrust tectonics  
Mr. Hendrik Smith |
| 11:15 | # 4932  | Characterisation and source constraints on the Mesoproterozoic Eendoorn Suite megacrystic granites and granitic gneisses of southern Namibia and their context within the western Namaqua Province  
Dr. Jodie Miller |
| 11:30 | # 4989  | Distribution and characteristics of gabbros, gabbronorites and amphibolites across the western Namaqua Province and their role in constraining terrane boundaries  
Dr. Jodie Miller |
| 11:45 | # 4084  | The Marshall Rocks-Pofadder Shear Zone and other late-Namaqua dextral shear zones between Ai-Ais and Pofadder in the western Namaqualand Metamorphic Province: Fabrics, timing and late stage melt controls  
Mr. Christopher Lambert |
### Tuesday - Session 5
**T3.5 - Mapping the geochemistry of the Earth’s surface at global to local scales (3rd Arthur Darnley Symposium)**
**MR 1.63**

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| 14:00 | # 5639  | Mapping the geochemistry of the Earth’s surface at global to local scales  
Mr. Alecos Demetriades (KEYNOTE SPEAKER) |
| 14:30 | # 2261  | Mapping the chemical elements on the Earth: sustaining natural resources and environments  
Dr. Xueqiu Wang |
| 14:45 | # 1876  | Comparability and traceability in laboratory analysis of global geochemical baselines mapping samples  
Prof. Dr. Wensheng Yao |
| 15:00 | # 2115  | The three geochemical atlases of Europe  
Mr. Alecos Demetriades |
| 15:15 | # 4741  | Ge-Ga-Cs in agricultural and grazing land soils at European continental scale  
Dr. Philippe Negrel |

### Tuesday - Session 6
**T3.6 - Mapping the geochemistry of the Earth’s surface at global to local scales (3rd Arthur Darnley Symposium)**
**MR 1.63**

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| 16:00 | # 2553  | Geochemical Mapping across the boundary regions of China and Mongolia  
Mr. Lanshi Nie |
| 16:15 | # 3271  | The geochemical baseline survey of southern New Zealand  
Dr. Mark Rattenbury |
| 16:30 | # 5488  | Geochemical mapping of the Tugela Terrane, KwaZulu-Natal, South Africa: semi-regional soil survey  
Mehdi Bensid |
| 16:45 | # 2631  | Effect of soil erosion on soil organic carbon in Wuyuer river basin, China  
Dr. Qingye Hou |

### Tuesday - Session 3
**T4.3 - From the Caspian to the Mediterranean: Environmental change and human response during the Quaternary: IGCP610**
**Hall 4B4**

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| 08:00 | # 2959  | New results for Quaternary stratigraphy and paleogeography of Caspian Sea based on Lower Volga sections  
Dr. Redzhep Kurbanov |
| 08:15 | # 2961  | Correlation of Quaternary sediments of East European Plain and Caspian Sea region  
Dr. Redzhep Kurbanov |
| 08:30 | # 3572  | OSL-based Chronology of Sand Mobilisation in Golestan Province of Northern Iran  
Prof. Manfred Frechen |
| 08:45 | # 4853  | Carbon dioxide sequestration due to chemical weathering from the Indian river catchments – a review  
Dr. Kesava Balakrishna |
| 09:00 | # 4127  | Overlooked geological and human-historical evidence that sea-level rise will approach or exceed IPCC worst-case scenario, regardless of human action  
Dr. Roger Higgs |
| 09:15 | # 4138  | Anthropogenic carbonate deposits: a new tool for environmental studies and archaeology  
Dr. Gül Sürmelihindi |
| 09:30 | # 4171  | New data on the structure of Quaternary deposits of Manych depression  
Mr. Nikolai Tkach |

### Tuesday - Session 4
**T4.4 - Palaeosols, palaeoweathering profiles and polygenetic soils indicators of climate change**
**Hall 4B4**

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| 10:30 | # 118   | Stable Carbon Isotopic Composition of Black Carbon in Surface Soil as a Proxy for Reconstructing Vegetation in the Northern China  
Dr. Lian Liu |
| 11:00 | # 317   | Evaluation of palaeoclimatic variability during Deccan Volcanic Episode: Perceptions from the intrabasaltic palaeosols (bole beds) occurring around Koyanagar area of Maharashtra (India).  
Dr. Mohammed Rafi Sayyed |
| 11:15 | # 334   | Paleo beach-ridge complexes, indicator of sea-level changes and climatic fluctuations: A case study from part of the Andhra Pradesh coast, India  
Dr. Rimpal Kar |
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| 14:00 | # 387  | Assessment of climate impacts on the karst-related carbon sink in SW China using MPD and GIS  
Mr. Sibo Zeng / Prof. Yongjun Jiang / Prof. Zaihua Liu |
| 14:15 | # 443  | Palaeoclimatic imprints revealed from the Deccan intrabasaltic palaeosols from the Lonand area (Satara district) of Maharashtra (India)  
Dr. Uday Kulkarni |
| 14:30 | # 751  | Petrographic and Organic Geochemical Evidences of Wildfire from the Middle Permian Coal of North China Basin and its significance for Permian mass extinction  
Dr. Yuzhuang Sun |
| 14:45 | # 1747 | Geological relict as the climatic refugia of plants  
Dr. Woo-Seek Kong |
| 15:00 | # 1753 | Geochemical characteristics and in-situ Quartz oxygen isotope ratio in a Terra Rossa profile: an unconsolidated paleosol horizon  
Dr. Hongbing Ji |
| 16:00 | # 1792 | The difference of the sediment under diverse climate in the north-south part of Bohai Bay Basin in the Eocene  
Mr. Liangjun Wu |
| 16:15 | # 2232 | Counting land carbon storage in Guizhou Province, southwestern China  
Prof. Jian Ni |
| 16:30 | # 2670 | Climate Change: A reality or a myth? Koa Dunefield case study, Northern Cape, South Africa  
Ms. Cindy Faul |
| 16:45 | # 3003 | Climate Change Evidenced by Paleosol Records in the Kazakhstan Steppe Area  
Dr. Jiri Chlachula |
| 17:00 | # 3383 | Geomorphological and Paleopedological Development on Cretaceous Parent Source Rock around Nsukka Southeastern Nigeria.  
Dr. Izuchukwu Mike Akaegbobi |
| 08:00 | # 5516 | Towards Integrated Transboundary Groundwater Management in Southern Africa - The Case of the Ramotswa Aquifer Shared between South Africa and Botswana  
Y Altchenko |
| 08:15 | # 4423 | Experimental Studies on the Smooth Parallel Plate Model, Addressing the Validity of the Cubic Law under Conditions of Variable Saturation.  
Mr. Brendon Ronald Jones |
| 08:30 | # 4338 | Flow regime comparison of a single clean smooth parallel fracture with and without overlying material in variably saturated conditions  
Mr. Brendon Jones |
| 08:45 | # 2833 | Modeling of radionuclide migration in fractured rock aquifer and assessment of groundwater contamination risk  
Dr. Irina Galitskaya |
| 09:00 | # 5291 | Recognizing spatial heterogeneity in aquifer distributions and characterizing groundwater dynamics in NW India  
Prof. Rajiv Sinha |
| 09:15 | # 4055 | Groundwater recharge in the discharge area of a semi-arid catchment  
Prof. Xiao-Wei Jiang |
| 09:30 | # 840  | Diel cycling, flux, and fate of HCO3- in a typical karst spring-fed stream of southwestern China  
Prof. Cheng Zhang |
| 09:45 | # 914  | Modeling Groundwater Flow and Dynamics of the Dendron Area, Limpopo River Basin, South Africa  
Dr. Girma Yimer Ebrahim |
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| 10:45 | # 5515  | Global Food Production - Share from Sustainable and Unsustainable Groundwater Use  
Dr. Karen Grothe Villholth |
| 11:00 | # 2030  | The importance of information management systems (IMS) to good governance of shared groundwater resources  
Mrs. Daniela Beneditco |
| 11:15 | # 870   | GIS based modelling of groundwater vulnerability: a case study of Birmingham urban unconfined aquifer, United Kingdom  
Dr. Abraham Thomas |
| 11:30 | # 912   | Estimating Groundwater Availability at Catchment Scale using Streamflow Recession and Instream Flow Requirements of Rivers in South Africa  
Dr. Girma Yimer Ebrahim |
| 11:45 | # 2757  | GRACE gravity approach in estimating changes in Total Water Storage in the Vaal River Basin, South Africa.  
Mr. Khuliso Masindi |

**Tuesday - Session 5**  
**T5.5 - Integrated geo-hydrological approaches to secure groundwater resources**  
MR 2.64 - 2.66  
14:00–15:30

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<th>TIME</th>
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| 14:00 | # 3871  | KINDRA Project: classification and inventory of groundwater research and knowledge in Europe  
Dr. Isabel Manuela Fernandez Fuentes |
| 14:15 | # 3983  | Submarine Groundwater Discharge in SW coast of India and its implications  
Dr. Suresh Babu DS |
| 14:30 | # 5513  | Mapping Irrigation Potential from Renewable Groundwater pan-Africa – an integrated approach  
Y Alchenko |
| 14:45 | # 5544  | Coastal Aquifers Management in Algarve – Portugal  
Edite Reis |
| 15:00 | # 5601  | Investigating and incorporating local scale heterogeneity for MAR in karst aquifers through a hydro-geophysical approach  
Dr. Tanvi Arora |

**Tuesday - Session 6**  
**T5.6 - Hydro-geochemistry and contamination of groundwater [A YES NETWORK INITIATIVE]**  
MR 2.64 - 2.66  
16:00–17:45

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<th>TIME</th>
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| 16:00 | # 2968  | Chemical and isotopic evolution of dissolved inorganic carbon in groundwater of the Okavango Delta, Botswana  
Dr. Eliot Atekwana |
| 16:15 | # 3004  | Assessment of impact on the groundwater quality due to solid waste disposal site southeast of Pune City, Maharashtra, India  
Dr. Gajanan Wagh |
| 16:30 | # 2229  | Hydrogeochemistry and genesis analysis of the geothermal springs in Arxan, Northeastern China  
Ms. Xiaomin Gu |
| 16:45 | # 4427  | Evaluation of Impact of Geomorphic Controls on the Groundwater Quality of Udupi District, Southwest Coast of India  
Ms. Shruti B |
| 17:00 | # 2329  | Groundwater Quality study of Shendra & Chikalthana MIDC area in Aurangabad District (M. S.), India  
Prof. Ashok Tejankar |
| 17:00 | # 2234  | Groundwater circulation and hydrogeochemical evolution in a typical alluvial-lacustrine plain of Qaidam Basin, Northwestern China  
Mr. Yong Xiao |

**Tuesday - Session 3**  
**T6.3 - Forensic Soil Science and Geology: held in association with 5th International Conference on Criminal and Environmental Soil Forensics**  
Westin - Victoria & Alfred  
08:00–10:00

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| 08:00 | # 5395  | Interpreting the transfer method of soil evidence on clothing by identifying trace soil patterns  
Prof. Robert Fitzpatrick |
| 08:15 | # 5358  | Trace evidence examination using laboratory and synchrotron X-ray diffraction techniques  
Mr. Mark Raven |
| 08:30 | # 2160  | Mineralogy and forensic geology to solve a foreign trade trickery  
Mr. Fabio Salvador |
| 08:45 | # 5372  | The importance of geological and soil materials as trace evidence in solving criminal investigations in Australia  
Prof. Robert Fitzpatrick |
| 09:00 | # 5227  | Tracing illicit gold from South America  
Dr. Roger Dixon |
### Tuesday - Session 4

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<th>PAPER TITLE &amp; AUTHOR</th>
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| 10:30 | 5434 | Tracing the source of stolen PGM smelter products  
*Dr. Roger Dixon* |
| 10:45 | 5118 | Portable X-ray Fluorescence (PXRF) Spectrometry of Soils: Method Limitations  
*Dr. Elisa Bergslien* |

**Tuesday - Session 4 10:30–12:00**

Westin - Victoria & Alfred

### Tuesday - Session 3

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<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
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| 08:00 | 1485 | Environmental magnetic studies of soil profiles from tropical southern India: A window to pedogenic processes and sediment-source linkage  
*Dr. Rajasekharah Shankar* |
| 08:15 | 3421 | Ecological services and biophysical functioning of agriecological soils of Burkina Faso  
*Prof. Mikael Motelica-Heino* |
| 08:30 | 4951 | Plant Growth Promoting Rhizobacteria (PGPR) Enhance Plant Drought Stress Tolerance: Physicochemical and Hydrological Changes in Rhizospheric Soil  
*Prof. Yan Jin* |
| 08:45 | 324 | Hydrochemical Characterisation And Quality Appraisal Of Soil In The Foothills Of Himalaya In Parts Of Uttarakhand, India  
*Mrs. Resmi Sathikumar* |
| 09:00 | 3901 | Novel potash fertiliser from nepheline syenite for Africa’s agricultural growth  
*Mr. Annock Chiwona* |
| 09:15 | 1368 | A comparative study of laser diffraction vs conventional sedimentation and sieve analyses for particle size measurement using a variety of South African soils  
*Mr. Jaco Koch* |

**Tuesday - Session 3 08:00–10:00**

T7.3 - CGMW: International Geoscience Maps in the 21st Century

MR 2.44 - 2.46

### Tuesday - Session 4

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<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
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| 10:30 | 3544 | Eastern Asia Earthquake and Volcanic Hazards Information Map  
*Dr. Shinji Takarada* |
*Mr. Randall Orndorff* |
| 10:30 | 4139 | Geological maps of the future  
*Dr. Cees Passchier* |
| 10:45 | 4226 | How Cool Can Be The Migration of an Old GIS Corporate Dataset to a New System. From Coverages to Geospatial Databases.  
*Mr. Carlos Gabriel Asato* |
| 11:00 | 3385 | The new tectonic map of South America (2016) at the 1:5 000 000 scale  
*Prof. Umberto Cardani* |
| 11:15 | 4775 | Are the Alps an alpine-type orogeny? A multi-disciplinary mapping project  
*Prof. Romain Bousquet* |
| 11:30 | 1600 | Tectonic map of Northern-Central-Eastern Asia: New conception, new scientific results, new perspectives  
*Dr. Igor Pospelov* |
| 11:45 | 4633 | The historic evolution of the global geological mapping of Africa  
*Dr. Philippe Rossi* |

**Tuesday - Session 4 10:30–12:00**

T7.4 - CGMW: International Geoscience Maps in the 21st Century

MR 2.44 - 2.46

### Tuesday - Session 4

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<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
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| 10:30 | 5243 | Structural Map of the Caribbean  
*Dr. Philippe Bouysse* |
| 10:45 | 5416 | The 1:5 Million Geological Map of South America (new edition)  
*Mr. Jorge Gomez Tapias* |
| 11:00 | 5439 | International Cross-Boundary Cooperation and Integration: The Review of the International Quaternary Map of Europe (IQUAME 2500)  
*Dr. Kristine Asch* |
| 11:15 | 549 | The Structural Mapping of an Ocean - data and information  
*Mr. Peter Miles* |
| 11:30 | 3743 | The New Geological Map of Spain and Portugal at 1:1 000 000 scale. History, contents and development  
*Dr. Alejandro Robador* |
| 11:45 | 4629 | An updated geological map of Africa at 1/10 000 000 scale  
*Dr. Denis Thieblemont* |
## Tuesday - Session 5

**T7.5 - Geoscience Spatial Data Infrastructures**

**MR 2.44 - 2.46**

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<th>TIME</th>
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<th>PAPER TITLE &amp; AUTHOR</th>
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<tbody>
<tr>
<td>14:00</td>
<td># 5610</td>
<td>Earth Observations and the Importance of Broad, Open Data Sharing Policies&lt;br&gt;<strong>Barbara Ryan (KEYNOTE SPEAKER)</strong></td>
</tr>
<tr>
<td>14:30</td>
<td># 5147</td>
<td>International Development of e-Infrastructures and Data Management Priorities for Global Change Research&lt;br&gt;<strong>Dr. Lee Allison</strong></td>
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<td>14:45</td>
<td># 3854</td>
<td>OneGeology a future subsurface interoperable platform for geoscientists and users&lt;br&gt;<strong>Mr. Matthew Harrison</strong></td>
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<tr>
<td>15:00</td>
<td># 5190</td>
<td>An interoperability framework to address hazard and risk data as part of a trans-national spatial data infrastructure&lt;br&gt;<strong>Dr. Robert Tomas</strong></td>
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<tr>
<td>15:15</td>
<td># 5286</td>
<td>The European Geological Data Infrastructure - EGDI&lt;br&gt;<strong>Mr. Francois Robida</strong></td>
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## Tuesday - Session 6

**T7.6 - Geoscience Spatial Data Infrastructures**

**MR 2.44 - 2.46**

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<th>PAPER TITLE &amp; AUTHOR</th>
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<tr>
<td>16:00</td>
<td># 3848</td>
<td>Building thematic and integrated services for European solid Earth sciences: the EPOS integrated approach&lt;br&gt;<strong>Mr. Matthew Harrison</strong></td>
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<tr>
<td>16:15</td>
<td># 5285</td>
<td>Building geological services for the EPOS European Research Infrastructure&lt;br&gt;<strong>Mr. Francois Robida</strong></td>
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<tr>
<td>16:30</td>
<td># 3591</td>
<td>The Spatial Data Infrastructure for the Geological Reference of France&lt;br&gt;<strong>Dr. Marc Urvois</strong></td>
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<td>16:45</td>
<td># 4035</td>
<td>20 Years of Introducing Geoscientific Information Management Systems – an Experience Report&lt;br&gt;<strong>Dr. Andreas Barth</strong></td>
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<tr>
<td>17:00</td>
<td># 3864</td>
<td>Upgrading a National Data Repository to a Key Register&lt;br&gt;<strong>Mr. Stephan Gruijters</strong></td>
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</tbody>
</table>

## Tuesday - Session 3

**T8.3 - Geohazards and societal benefits: coping with reality**

**Hall 4B2**

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00</td>
<td># 5187</td>
<td>Extending the geological record for Cascadia Subduction Zone (CSZ) earthquakes in British Columbia, Canada&lt;br&gt;<strong>Dr. Peter Bobrowsky</strong></td>
</tr>
<tr>
<td>08:15</td>
<td># 934</td>
<td>Characterising Natural Hazard Interactions to Support Multi-Hazard Approaches to Hazard Management&lt;br&gt;<strong>Mr. Joel Gill</strong></td>
</tr>
<tr>
<td>08:30</td>
<td># 714</td>
<td>Typhoon-driven wave deposits on island rock coasts in the Gulf of Thailand&lt;br&gt;<strong>Prof. James Terry</strong></td>
</tr>
<tr>
<td>08:45</td>
<td># 1377</td>
<td>Effects of topographic and geological features on building damage caused by 2015.4.25 Mw7.8 Gorkha earthquake in Nepal&lt;br&gt;<strong>Prof. Fawu Wang</strong></td>
</tr>
<tr>
<td>09:00</td>
<td># 1888</td>
<td>Investigation of Artificial Water Reservoir Triggered Earthquake at Koyna, India&lt;br&gt;<strong>Dr. Harsh Kumar Gupta</strong></td>
</tr>
<tr>
<td>09:15</td>
<td># 3846</td>
<td>Communication and the public understanding of geohazards&lt;br&gt;<strong>Dr. Laurance Donnelly</strong></td>
</tr>
<tr>
<td>09:30</td>
<td># 218</td>
<td>Submarine Permafrost Dynamics Along the Arctic Shelf Edge&lt;br&gt;<strong>Dr. Charles Paull (KEYNOTE SPEAKER)</strong></td>
</tr>
</tbody>
</table>

## Tuesday - Session 4

**T8.4 - Subaerial and submarine landslide processes and hazards**

**Hall 4B2**

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30</td>
<td># 1647</td>
<td>Preconditioning factors for the unstable eastern Rockall Bank slope, NE Atlantic&lt;br&gt;<strong>Dr. Aggeliki Georgiopoulou</strong></td>
</tr>
<tr>
<td>10:45</td>
<td># 4018</td>
<td>People as Sensors: Towards a Human–machine Cooperation Approach in Monitoring and Early Warning of Landslides in the Three Gorges Reservoir Region, China&lt;br&gt;<strong>Mr. Guoxuan Cheng</strong></td>
</tr>
<tr>
<td>11:00</td>
<td># 5283</td>
<td>Detection of landslides in early phases using SAR interferometry&lt;br&gt;<strong>Phd. Mateja Jemec Auflić / Prof. Marko Komac</strong></td>
</tr>
</tbody>
</table>
**Tuesday - Session 5**

**T8.5 - Subaerial and submarine landslide processes and hazards / Crustal deformation and seismotectonics in Africa: Active faulting and earthquake hazard assessment**

**Hall 4B2**

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:00</td>
<td># 2151</td>
<td>Assessing slope stability in three dimensions throughout a landscape: Stratovolcanoes, coastal bluffs, and submarine slopes <strong>Dr. Mark Reid</strong></td>
</tr>
<tr>
<td>14:15</td>
<td># 11</td>
<td>Landslide volume estimation by landslide area-frequency distribution <strong>Prof. Chien-Yuan Chen</strong></td>
</tr>
<tr>
<td>14:30</td>
<td># 3255</td>
<td>The Seismotectonic Map of Africa <strong>Dr. Mustapha Meghraoui (KEYNOTE SPEAKER)</strong></td>
</tr>
<tr>
<td>15:00</td>
<td># 2237</td>
<td>Recent Seismicity and volcanism in Afar and the Main Ethiopian Rift <strong>Dr. Atalay Ayele</strong></td>
</tr>
<tr>
<td>15:15</td>
<td># 1388</td>
<td>The Aftershock sequence of the 5th August 2014 Orkney earthquake <strong>Mr. Brassnavy Manzunzu</strong></td>
</tr>
</tbody>
</table>

**Tuesday - Session 6**

**T8.6 - Crustal deformation and seismotectonics in Africa: Active faulting and earthquake hazard assessment**

**Hall 4B2**

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>16:00</td>
<td># 4332</td>
<td>Pleistocene-Holocene seismoturbidite succession above the Lwandle-Nubia plate boundary, offshore South Africa <strong>Dr. John Rogers</strong></td>
</tr>
<tr>
<td>16:15</td>
<td># 3717</td>
<td>Stress Field in the Western Part of Africa-Eurasia Boundary from the Azores to Tunisian Atlas <strong>Dr. Farida Ousadou</strong></td>
</tr>
<tr>
<td>16:30</td>
<td># 3259</td>
<td>Stress change and fault interaction from a two century-long earthquake sequence in the central Tell Atlas (Algeria) <strong>Prof. Mustapha Meghraoui</strong></td>
</tr>
<tr>
<td>16:45</td>
<td># 3202</td>
<td>Stress field in the African Plate <strong>Dr. Damien Delvaux</strong></td>
</tr>
<tr>
<td>17:00</td>
<td># 1169</td>
<td>Neotectonic stress mapping in Southern Africa solves the puzzling M5.5 Orkney Earthquake of 5 August 2014, North West Province, South Africa <strong>Dr. Marco Andreoli</strong></td>
</tr>
<tr>
<td>17:15</td>
<td># 3254</td>
<td>Neotectonic stress orientation in the Kaapvaal Craton, South Africa derived by the Dihedra method <strong>Prof. Adam Bumby</strong></td>
</tr>
<tr>
<td>17:30</td>
<td># 3256</td>
<td>Investigating Seismic Source Zones in Cameroon: A preliminary step for Seismic Hazard Assessment <strong>Dr. Bekoa Ateba</strong></td>
</tr>
</tbody>
</table>

**Tuesday - Session 6**

**T8.6a - Challenges in Identifying and Characterising Seismogenic Faults in Non-Plate Boundary Settings / Geohazards and societal benefits: coping with reality**

**Roof Terrace**

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>16:00</td>
<td># 4192</td>
<td>Cosmogenically dated marine terraces in South Africa reveal low long-term rates of uplift and no evidence for localized faulting <strong>Dr. Paul Bierman</strong></td>
</tr>
<tr>
<td>16:15</td>
<td># 911</td>
<td>Differences in geological hazards from liquefaction–fluidization and ground waves in the areas facing Tokyo Bay and San Francisco Bay <strong>Prof. Hisashi Nirei</strong></td>
</tr>
<tr>
<td>16:30</td>
<td># 5562</td>
<td>The use of downhole geophysical logging in assessing subsidence from abandoned coal mines <strong>Mr. David L Knott</strong></td>
</tr>
<tr>
<td>16:45</td>
<td># 3077</td>
<td>Present Permafrost Degradation in NE Siberia: Environmental Implications <strong>Dr. Jiri Chlachula</strong></td>
</tr>
<tr>
<td>17:00</td>
<td># 3635</td>
<td>Artificial neural network based geohazard potential mapping for sustainable land use planning: approaches and examples from Germany and Namibia <strong>Dr. Andreas Barth</strong></td>
</tr>
<tr>
<td>17:15</td>
<td># 3844</td>
<td>Variations in the morphology of reactivated fault scarps in the UK <strong>Dr. Laurance Donnelly</strong></td>
</tr>
</tbody>
</table>
## Tuesday - Session 3
### T10.3 - History of Geology in Africa
MR 1.64

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 08:00 | # 1056 | Three Pioneering Geologists of the Bushveld Complex, South Africa: Hall, Merensky, and Wagner  
Dr. Roger Scoon |
| 08:15 | # 3581 | Resources of geoscientific information in Africa (Oral Presentation)  
Mrs. Debbie Lievaart |
| 08:30 | # 1182 | The History of the Geological Survey of Namibia  
Dr. Gabriele Schneider |
| 08:45 | # 1479 | History of the geology of Malawi  
Ms. Tamara Faith Kamanga / Mr. Chikondi Chisenga |
| 09:00 | # 3762 | Discovery of Komatiite  
Dr. Richard Pieter Viljoen |
| 09:15 | # 1938 | How closing the Sperrgebiet affected geological research: a brief history  
Dr. Martin Pickford |
| 09:30 | # 4792 | John Herschel’s Landscapes and Geology: the Cape Colony in the 1830s  
Dr. Gregory Good |

## Tuesday - Session 4
### T10.4 - History of mineral and water resources
MR 1.64

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 10:30 | # 598  | A history of hydrogeology in Australia from pre-European to the 21st Century  
Dr. Charles Lawrence (KEYNOTE SPEAKER) |
| 11:00 | # 541  | The Okiep copper mines – the most historic mining district in South Africa  
Prof. Bruce Cairncross |
| 11:15 | # 1042 | The History of Diamond Mining in Namibia  
Dr. Gabriele Schneider |
| 11:30 | # 993  | Early theories and practicalities on gold occurrence in Australia  
Dr. Kenneth McQueen |
| 11:45 | # 3565 | Outline of the mining history in the Polish Lands  
Prof. Stanislaw Wolkowicz |

## Tuesday - Session 5
### T10.5 - Early man and early Geological ideas
MR 1.64

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 14:00 | # 5394 | Utilisation of Geology and Geomorphology by Early Hominids and the Indigenous People of Southern Africa  
Dr. Richard Viljoen (KEYNOTE SPEAKER) |
| 14:30 | # 2052 | The role of Southern Africa in understanding Human origins  
Prof. Brigitte Senut |
| 14:45 | # 652  | Searching for our ancestors: a time ripe for forgeries  
Dr. Beatriz Aguirre-Urreta |
| 15:00 | # 1484 | Indigenous Knowledge of Exploration Geology: A Malawian Perspective  
Ms. Tamara Faith Kamanga / Mr. Chikondi Chisenga |
| 15:15 | # 355  | Indigenous understanding of geology: The Australian perspective  
Prof. Barry J. Cooper |

## Tuesday - Session 6
### T10.6 - General contributions on the history of geology
MR 1.64

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 16:00 | # 4251 | Goethe, geology and polemics on a new science  
Dr. Ernie Hamm |
| 16:15 | # 563  | Arab-Islamic scientific heritage, an early episode in the history of volcanology.  
Mr. Khalaf El Ghalbi |
| 16:30 | # 564  | Measuring the Specific weight of minerals in Arab-Islamic scientific heritage.  
Mr. Khalaf El Ghalbi |
| 16:45 | # 89   | An unexpected treasure – the personal and handwritten notes of the Austrian mineralogist and petrograph Friedrich (Johann Karl) Becke (1855-1931)  
Dr. Margret Hamilton |
**Tuesday - Session 3**
*T12.3 - Geoethics - Teaching, Training and Communication*
MR 2.41 - 2.43

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 08:00 | # 165   | A Framework for Society-Earth-Centric Narrative  
Dr. Martin Bohle |
| 08:15 | # 3885  | Who speaks for Geoscience? The Irish example of national & cross-border engagement.  
Ms. Marie Fleming |
| 08:30 | # 4901  | Ethical Dimensions of Transdisciplinary Approaches in Seismic Risk Communication  
Prof. I. S. Stewart |
| 09:00 | # 3708  | Geology for Society – engaging geoscientists, policy-makers and the public in meeting our future resource needs sustainably  
Mr. Nic Bilham |
| 09:15 | # 3505  | Incorporation of Geoethics in Undergraduate Science and Geoscience Curricula: Some Examples  
Prof. John Geissman |
| 09:30 | # 4162  | Geoethics: Good Teaching, Good Science  
Dr. David Mogk (KEYNOTE SPEAKER) |

**Tuesday - Session 4**
*T12.4 - Geoethics - Case Studies*
MR 2.41 - 2.43

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 10:30 | # 1101  | Geo-Ethics: What to do when Approval Authority Decisions contradict Sound Science?  
Mr. Mark Priddle |
| 10:45 | # 4517  | Geoethic issues in North African and South American paleontology  
Dr. Artur Sá |
| 11:00 | # 2702  | Soil: an indispensable component of Nepalese Culture  
Dr. Shree Prasad Vista |
| 11:15 | # 1271  | GeoEthics in Hollywood: Is the Hollywood fault active, or is that just another illusion we have created?  
Eldon Gath |
| 11:30 | # 4213  | Impacts of ports along the Pilbara Coast, Western Australia –a coastline of global geoheritage significance that services a mineral-rich hinterland  
Dr. Margaret Brocx |

**Tuesday - Session 5**
*T12.5 - Panel discussion - What's the point of Geoethics*
MR 2.41 - 2.43

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 14:00 | # 5603  | Discussion topic 1: Lights and shadows of geoethics (Panel discussion)  
Dr. Silvia Peppoloni |
| 14:15 | # 5604  | Discussion topic 2: Teaching geoethics: A Great Challange (Panel Discussion)  
Dr. David Mogk |
| 14:30 | # 5605  | Discussion topic 3: Professionalism: how to practice geosciences in an ethical way (Panel discussion)  
Ms. Ruth Allington |
| 14:45 | # 5606  | Discussion topic 4: (Geo)ethical dilemmas in geosciences: what to do (Panel discussion)  
Dr. Christopher Keane |
| 15:00 | # 5607  | Discussion Topic 5: Geoethics for society: is it possible? (Panel discussion)  
Mr. Nic Bilham |

**Tuesday - Session 6**
*T12.6 - Professional Competencies*
MR 2.41 - 2.43

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 16:00 | # 24    | Professionalism in the Geosciences as practiced in South Africa  
Mr. Edward Swindell |
| 16:15 | # 3876  | EurGeol as Competent Person  
Dr. Isabel Manuela Fernandez Fuentes |
| 16:30 | # 629   | Improving competency and professionalism in the Australian Institute of Geoscientists  
Mr. Wayne Spilsbury |
<table>
<thead>
<tr>
<th>Time</th>
<th>Paper #</th>
<th>Paper Title &amp; Author</th>
</tr>
</thead>
</table>
| 16:45 | # 2142  | The development of Canada's Competency Profile for Professional Geoscientists at Entry to Practice  
*Mr. Oliver Bonham* |
| 17:00 | # 3179  | Canadian National Professional Practice Examination for Geoscientists: Its Evolution and Future Directions Including International Applicability  
*Mr. Robert Stewart* |
| 17:15 | # 3701  | Preparing Future Geoscientists for Professional Registration  
*Ms. Lindsay Steele* |
| 17:30 | # 1472  | Critical Competencies for Successful New Geoscientists and Approaches for Equipping the Next Generation  
*Dr. Christopher Keane* |

**Tuesday - Session 3**  
T14.3 - Environmental Aspects in the Mining Industry  
MR 2.61- 2.63

<table>
<thead>
<tr>
<th>Time</th>
<th>Paper #</th>
<th>Paper Title &amp; Author</th>
</tr>
</thead>
</table>
| 08:00 | # 283   | Geochemistry, mobility and bioavailability of contaminants in mine tailings of Namibia  
*Mr. Ondrej Sracek (KEYNOTE SPEAKER)* |
| 08:30 | # 3910  | Fly Ash as a backfill material-A geotechnical investigation  
*Dr. Viswanth Ravi Kumar Vadapalli* |
| 08:45 | # 3672  | The impact of mine dump pollution on vegetation in the Tsumeb area, central Namibia  
*Prof. Benjamin Mapani* |
| 09:00 | # 3568  | Polycyclic Aromatic Hydrocarbons (PAHs) in Soils, Water Sediments and Post-Flotation Wastes in Kitwe Region (Copperbelt, Zambia)  
*Prof. Stanislaw Wolkowicz* |
| 09:15 | # 3272  | An Unconventional Re-vegetation Plan for Remediation of an Orphan Base Metal Mine in Ontario  
*Mr. Mark Priddle* |
| 09:30 | # 2667  | The occurrence of ammoniosulphate minerals in abandoned gold mines of the Vredefort Dome World Heritage site, South Africa  
*Ms. Danél Van Tonder* |
| 09:45 | # 2598  | ‘Low-acid’ sulfide oxidation using nitrate for potential acid drainage prevention  
*Dr. Nathan Reid* |

**Tuesday - Session 4**  
T14.4 - Environmental Aspects in the Mining Industry  
MR 2.61- 2.63

<table>
<thead>
<tr>
<th>Time</th>
<th>Paper #</th>
<th>Paper Title &amp; Author</th>
</tr>
</thead>
</table>
| 10:30 | # 2572  | The reuse of waste in the mining industry  
*Mr. Clive Saunders* |
| 10:45 | # 2409  | Integrated freeze core – ITRAX micro-XRF scanning: a non-destructive and cost effective method of baseline geochemical determination in the low-sedimentation environment of a legacy mining camp in Subarctic Canada  
*Prof. R. Timothy Patterson* |
| 11:00 | # 1926  | Transformation of natural sedimentation and geochemical conditions in the area of underwater extraction of ferromanganese concretions in the Gulf of Finland (Baltic Sea).  
*Dr. Vladimir Zhamoida* |
| 11:15 | # 1908  | Phytomining: Investigation on the gold hyperaccumulation capacity of wheat using pot trials and tailings dump material as a substrate  
*Ms. Tshiamo Lengoale* |
| 11:30 | # 1538  | The geo-ecological rehabilitation capabilities of dolomite on a pollution plume derived form a gold tailings storage facility - a myth or reality?  
*Ms. Angelique Daniell* |
| 11:45 | # 805   | Artisanal and Small-scale Gold Mining and related mercury usage in India  
*Dr. Mihir Deb* |

**Tuesday - Session 5**  
T14.5 - Environmental Aspects in the Mining Industry  
MR 2.61- 2.63

<table>
<thead>
<tr>
<th>Time</th>
<th>Paper #</th>
<th>Paper Title &amp; Author</th>
</tr>
</thead>
</table>
| 14:00 | # 783   | Armoring effect of limestone in acid mine drainage: Static immersion experiments  
*Prof. Liangqi Lei* |
| 14:15 | # 4779  | Characterisation of precipitates formed in anaerobic and aerobic units designed to treat acid mine drainage from an abandoned coal mine in Carolina, Mpumalanga (South Africa)  
*Mr. Obed Novhe* |
| 14:30 | # 2749  | Preliminary screening of gold mine tailings in the context of acid mine drainage and geopolymerization  
*Ms. Leahn Pieterse* |
<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 14:45 | # 5500  | The Role of Structural Frequency, Style and Weathering on the Fate and Transport of Chlorinated Solvents in Fractured Bedrock  
*Dr. Kevin Leahy (KEYNOTE SPEAKER)* |

**Tuesday - Session 6**  
T14.6 - Coastal Studies  
MR 2.61-2.63  
16:00–17:45

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 16:00 | # 3540  | Coastal change as a function of geological settings, natural forcings and anthropogenic drivers – comparative modeling approaches for management strategies  
*Prof. Ian Harff (KEYNOTE SPEAKER)* |
| 16:30 | # 5065  | Archaeological and geological markers reveal the time span and formation rates of the central coastal cliffs of Israel  
*Dr. Ehud Galili* |
| 16:45 | # 4190  | The cost of adapting to sea level rise: Ports, harbours and marinas in the Southeastern Mediterranean Sea  
*Dr. Dov Zviely* |
| 17:00 | # 3930  | A geo-statistical approach to estimate sediment budget and reconstruct large-scale paleo-coastal morphology  
*Dr. Junjie Deng* |
| 17:15 | # 3509  | Assessment of factors contributing to the growth and loss of wetlands in Louisiana, USA  
*Dr. Ricardo Olea* |
| 17:30 | # 3184  | Sediments from the abandoned river valley record low sea level in Pärnu region, eastern Baltic Sea, before the Litorina transgression  
*Triine Post* |

**Tuesday - Session 3**  
T15.3 - Slope stability - Characterisation and risk management  
Hall 4B1  
08:00–10:00

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 08:30 | # 909   | An Investigation of the Geotechnical Conditions and Stability of the Town Bush Valley, Pietermaritzburg, South Africa.  
*Mr. Keval Singh* |
| 08:45 | # 5180  | Assessing multi-sensor technologies and methods in monitoring landslide movement in Canada  
*Dr. Peter Bobrowsky* |
| 09:00 | # 2276  | Rock Mass Characterization for Stability Analysis of Cut Slopes in the Ophiolites of Hajar Mountains of UAE & Sultanate of Oman.  
*Mr. Mohammed J Ahmed* |
| 09:15 | # 917   | Kinematic behaviour of a large landslide in the three gorges reservoir – Constraints from field monitoring  
*Prof. Bao-Ping Wen* |

**Tuesday - Session 4**  
T15.4 - Slope stability - Design and mitigation measures  
Hall 4B1  
10:30–12:00

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 10:30 | # 4983  | Landslide hazard assessment through forcing activation of a landslide and conducting of monitoring  
*Ph.D. Andrey Kazeev* |
| 10:45 | # 233   | Geo-engineered slope failure at the power house pit of a power project in the Himalayas, Himachal Pradesh, India – causes and remedies  
*Mr. Ashok Kumar* |

**Tuesday - Session 5**  
T15.5 - Slope stability - Open pit mining  
Hall 4B1  
14:00–15:30

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 14:00 | # 4587  | Slope optimization of an operating open pit mine  
*Ms. Clarice Romer (KEYNOTE SPEAKER)* |
| 14:30 | # 1399  | 3D implicit modelling and geometrical analysis of structural fabrics: Implications for future pit design and optimization  
*Dr. Ian Basson* |
| 14:45 | # 803   | Rock mass characterisation of the country rock on the eastern slope of Main Pit at Letšeng Diamond mine, Lesotho  
*Mr. Nkopane Lefu* |
| 15:00 | # 5612  | PREVAILING GEOTECHNICAL HAZARDS AT LETŠENG DIAMOND MINE AND THEIR MITIGATION  
*Ms. Nthabiseng Lephatsoe* |
| 15:15 | # 1676  | Formation Mechanism and Stability of a Gentle Dip Bedding Rock Slope: A case Study at Shimen Silica Mine, Liaoyang, China  
*Dr. Jiewei Zhan* |
### Tuesday - Session 6

**T15.6 - Slope stability - Analysis and investigation**
- **Hall 4B1**

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 16:00 | # 1982  | Distribution regularities of co-seismic landslide triggered by Ludian earthquake  
Mrs. Yu Zou |
| 16:15 | # 1054  | Seismicity, neo-tectonics and landslide initiation in the Trans-Himalayas of North East India - Studies from Tezu-Hayuliang-Chaglogam corridor of Arunachal Pradesh  
Mr. Theophilus P. k. |
| 16:30 | # 2072  | Ground Penetrating Radar Studies and Influence of Anthropogenic Factors on Some Landslides of Northeast India  
Dr. Ibotombi Soibam |
| 16:45 | # 5566  | Numerical modelling of toe buckling deformation in Haast Schist, Central  
Romy Ridi |

### Tuesday - Session 6

**T16.6 - Mineral Resources Evaluation, Geostatistics and Mathematical Geoscience**
- **MR 1.61**

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 16:00 | # 4869  | Sequential Gaussian Simulation in the Gangjiang Copper-polymetallic Deposit of Nimu, Tibet, China  
Prof. Jianguo Chen |
| 16:15 | # 5322  | Using Simulation to Quantify Uncertainty in Ultimate Pit Limits and Inform Infrastructure Placement  
Mr. Mhlonipheki Brilliance Mabhena |
| 16:30 | # 3415  | A review of current Quality Assurance and Quality Control (QAQC) practices in the mining industry  
Mr. Mark Burnett |
| 16:45 | # 4813  | Creaming and the likelihood of discovering additional giant petroleum fields  
Prof. Richard Sinding-Larsen / Prof. Richard Sinding-Larsen |
| 17:00 | # 817   | Integrated cause-effect analysis of geological and geophysical maps in mineral resource assessment  
Dr. susanna Sirotinskaya |
| 17:15 | # 5144  | What are Mathematical Geosciences? Are Mathematical Geoscientists at the Earth Science Frontiers?  
Prof. Qiuming Cheng |
| 17:30 | # 5518  | Grade Control Efficiencies using XRF and Spectral Techniques in gold deposits  
N.H.S Oliver |

### Tuesday - Session 3

**T17.3 - Greenfields exploration in regolith-dominated terrains**
- **Auditorium 2**

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 08:00 | # 1317  | Mineral exploration in regolith-dominated terrains: considerations, challenges and new approaches  
Dr. Ignacio Gonzalez-Alvarez |
| 08:15 | # 473   | Titaniferous lateritic-bauxite (TLB) capping over Sung Valley Pyroxenite: A host for REE mineralisation (?) in Meghalaya, India  
Mr. Mohd. Sadiq |
| 08:30 | # 3466  | Geochemical exploration through cover in deeply weathered terrains  
Dr. Ravi Anand |
| 08:45 | # 960   | Identification of concealed geological structures in a Grassland Area in Inner Mongolia, China: A Perspective from Temperature Vegetation Dryness Index  
Dr. Chengbin Wang |
| 09:00 | # 4671  | New C- and O-isotopic compositions of smithsonite from Skorpion and Rosh Pinah Zn-(Pb) deposits (Namibia): preliminary results and implications  
Mr. Giuseppe Arfè |
| 09:15 | # 1369  | Past and present climate controlling the formation of Zn-(Pb) supergene Nonsulfide ores  
Prof. Maria Boni |
| 09:30 | # 1190  | The Zn-Nonsulphides district of Bongarà (Northern Peru)  
Prof. Maria Boni |
| 09:45 | # 1826  | Nanogeochemistry: metal migration mechanism and greenfield exploration in regolith-covered terrains  
Dr. Xueqiu Wang |

### Tuesday - Session 4

**T17.4 - Mineral deposit footprints**
- **Auditorium 2**

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 10:30 | # 5072  | Mineral exploration models from simple fiction to complex reality  
Prof. Reimar Seltmann (KEYNOTE SPEAKER) |
<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:00</td>
<td># 1144</td>
<td>Mineralogy and Osmium Isotope Composition of Placer Platinum Group Element and Gold Grains Recovered from Offshore Southern Namibia: Possible Source Rocks in the Gariep Belt? <em>Dr. Evelyn Mervine</em></td>
</tr>
<tr>
<td>11:15</td>
<td># 777</td>
<td>The contribution of bismuth melts to gold mineralization: a case study from the Baolun gold ore deposit in Hainan Province of South China <em>Mr. Deru Xu</em></td>
</tr>
<tr>
<td>11:30</td>
<td># 1723</td>
<td>Effect of the gypsum-salt layer oxidation barrier for ore-formation of Iron-Oxide-Apatite and skarn type iron deposits in the Middle-Lower Yangtze River polymetallic ore Belt, China <em>Dr. Yan He Li</em></td>
</tr>
<tr>
<td>11:45</td>
<td># 2715</td>
<td>Characterizing behavior of trace elements in source rocks using mathematical modeling <em>Prof. Yongzhang Zhou</em></td>
</tr>
</tbody>
</table>

**Tuesday - Session 5**

**T17.5 - New theories and methods in resources exploration**

**Auditorium 2**

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:00</td>
<td># 2341</td>
<td>Geological and geochemical prospecting models of porphyry Mo deposits in China <em>Dr. Wei Wan</em></td>
</tr>
<tr>
<td>14:30</td>
<td># 1314</td>
<td>Types and genesis of the BIF-hosted high-grade iron ores in China <em>Dr. Houmin Li</em></td>
</tr>
<tr>
<td>14:30</td>
<td># 2747</td>
<td>Hydrogeochemistry of uranium leaching, transportation and precipitation in surficial environments in western India <em>Ms. Bijal Chudasama</em></td>
</tr>
<tr>
<td>14:45</td>
<td># 2257</td>
<td>Crustal Evolution and Gold Metallogeny in Peninsular India - Studies for Exploration Target Selection <em>Dr. Dhawan Gopal</em></td>
</tr>
<tr>
<td>15:00</td>
<td># 3007</td>
<td>Regolith mapping and geochemical exploration in the Chapada-Mara Rosa Cu-Au district, Central Brazil <em>Dr. Claudio Porto</em></td>
</tr>
<tr>
<td>15:15</td>
<td># 1722</td>
<td>Can drilling fluids be a useful sample media for mineral exploration? <em>Dr. Nathan Reid</em></td>
</tr>
</tbody>
</table>

**Tuesday - Session 6**

**T17.6 - From Ore Deposits to Global Metallogeny: implications for exploration success**

**(Sponsored by IAGOD)**

**Auditorium 2**

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>16:00</td>
<td># 5262</td>
<td>Rio Tinto Exploration - Our African Evolution <em>Mr. Nevan Pillay</em></td>
</tr>
<tr>
<td>16:15</td>
<td># 3900</td>
<td>Petrogenesis of Cu-Ag Skarn Mineralization at the McKenzie Gulch Area Northern New Brunswick: Relating Dike Swarms Emplacement and Skarn Evolution Using LA-ICP-MS U-Pb Zircon and Titanite Dating Techniques <em>Mr. Ronald Massawe</em></td>
</tr>
<tr>
<td>16:30</td>
<td># 5167</td>
<td>Metallogenic Characteristics of the Gangdese and the Bangonghu Copper Metallogenic Belt, Tibet, China <em>Prof. Jin-Hua YE</em></td>
</tr>
<tr>
<td>16:45</td>
<td># 4858</td>
<td>Geochronology and Nd-Sr-Pb isotopic compositions of Early Cretaceous intrusions and associated porphyry Cu deposits in eastern Alaska <em>Dr. Garth Graham</em></td>
</tr>
<tr>
<td>17:00</td>
<td># 5170</td>
<td>Germany’s Marine Exploration in the Indian Ocean <em>Dr. Ulrich Schwarz-Schampera</em></td>
</tr>
<tr>
<td>17:15</td>
<td># 5412</td>
<td>Remote estimation of dielectric properties of palaeochannel-fill sediments in Tubas Area, Namibia: implications for surficial uranium exploration <em>Ms. Sanchari Thakur</em></td>
</tr>
</tbody>
</table>

**Tuesday - Session 3**

**T18.3 - Ore-forming processes associated with hypabyssal magmatic and related volcanic systems**

**(Sponsored by IAGOD)**

**Ballroom East**

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00</td>
<td># 2177</td>
<td>A Cretaceous granite-related stratiform Cu ore hosted in Triassic basalt, SW China <em>Mr. Jiawei Zhang</em></td>
</tr>
<tr>
<td>08:15</td>
<td># 2259</td>
<td>Geochronology of the giant Beiya gold–polymetallic deposit in Yunnan Province, Southwest China and its relationship with the petrogenesis of alkaline porphyry <em>Dr. Xiaoming Sun</em></td>
</tr>
<tr>
<td>08:30</td>
<td># 1365</td>
<td>Nano- to micron-particulate gold hosted by magnetite from the Beiya gold deposit, SW China <em>Dr. Haoyang Zhou</em></td>
</tr>
<tr>
<td>08:45</td>
<td># 2293</td>
<td>Iron-oxide apatite deposits in eastern China formed by accumulation of magmatic hydrosaline chloride liquids <em>Dr. Xin-Fu Zhao</em></td>
</tr>
<tr>
<td>Tuesday 30 August</td>
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<tr>
<td><strong>09:00</strong></td>
<td><strong># 3322</strong></td>
<td>Nucleus deposit: a superposed (?) Au-Bi-As-Cu mineralized system at Mountain Freegold, Yukon, Canada, with constraints from molybdenite Re/Os and titanite U/Pb geochronology</td>
</tr>
<tr>
<td>Dr. Thierry Bineli Betsi</td>
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<tr>
<td><strong>09:15</strong></td>
<td><strong># 3123</strong></td>
<td>Dictionema Shales and Obolus Sandstone (Phosphorite) of the Baltic Sedimentary Basin: New Type of Complex Ore for Renium and Uranium, Platinoids and Rare-Earth Metals</td>
</tr>
<tr>
<td>Dr. Vladimir Vyalov</td>
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<tr>
<td><strong>09:30</strong></td>
<td><strong># 3570</strong></td>
<td>Molybdenite Re–Os, zircon U–Pb dating and Lu-Hf isotopic analysis of the Xiaerchulu Au deposit, Inner Mongolia Province, China</td>
</tr>
<tr>
<td>PhD. candidate Wang Jiaxin</td>
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<tr>
<td><strong>09:45</strong></td>
<td><strong># 1319</strong></td>
<td>Geochemical characteristics and metallogenic significance of igneous rocks from Zhunuo porphyry copper deposit, Tibet</td>
</tr>
<tr>
<td>Mr. Ying-Chun Pang</td>
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<tr>
<td><strong>Tuesday - Session 4</strong></td>
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<tr>
<td><strong>T18.4 - Processes governing ore formation in the Bushveld Complex and other mafic and ultramafic magmatic systems (IAGOD-CODMUR sponsored)</strong></td>
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<td><strong>Ballroom East</strong></td>
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<td><strong>TIME</strong></td>
<td><strong>PAPER #</strong></td>
<td><strong>PAPER TITLE &amp; AUTHOR</strong></td>
</tr>
<tr>
<td><strong>10:30</strong></td>
<td><strong># 981</strong></td>
<td>The Bushveld Complex: an overview of its structure, concepts on its origin, age and outstanding controversial issues</td>
</tr>
<tr>
<td>Prof. Allan Wilson (KEYNOTE SPEAKER)</td>
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<tr>
<td><strong>11:15</strong></td>
<td><strong># 1164</strong></td>
<td>Bushveld’s base has foundered</td>
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<tr>
<td>Prof. Nicholas Arndt</td>
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<tr>
<td><strong>11:30</strong></td>
<td><strong># 3436</strong></td>
<td>Field observations bearing on the origin of UG1/UG2 chromitites in the Bushveld Complex</td>
</tr>
<tr>
<td>Mr. Rais Latypov</td>
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<tr>
<td><strong>11:45</strong></td>
<td><strong># 3052</strong></td>
<td>A step forward in understanding 3D magmatic structures and ore deposits</td>
</tr>
<tr>
<td>Dr. Emma J. Hunt</td>
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<tr>
<td><strong>Tuesday - Session 5</strong></td>
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<tr>
<td><strong>T18.5 - Processes governing ore formation in the Bushveld Complex and other mafic and ultramafic magmatic systems (IAGOD-CODMUR sponsored)</strong></td>
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<td><strong>TIME</strong></td>
<td><strong>PAPER #</strong></td>
<td><strong>PAPER TITLE &amp; AUTHOR</strong></td>
</tr>
<tr>
<td><strong>14:00</strong></td>
<td><strong># 3833</strong></td>
<td>Trace element profiles through the Bushveld UG2 chromitite: alkali mobility and post-cumulus reworking in a redox potential gradient</td>
</tr>
<tr>
<td>Dr. Robert Trumbull</td>
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<tr>
<td><strong>14:15</strong></td>
<td><strong># 3947</strong></td>
<td>The emplacement mechanism of the UG-1 chromitite in the Bushveld Complex, South Africa</td>
</tr>
<tr>
<td>Dr. Ria Mukherjee</td>
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<tr>
<td><strong>14:30</strong></td>
<td><strong># 4439</strong></td>
<td>Magmatic reaction and replacement phenomena associated with iron-rich melts migrating through the Upper Critical Zone, Rustenburg Layered Suite, Bushveld Complex</td>
</tr>
<tr>
<td>Prof. David Reid</td>
<td></td>
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</tr>
<tr>
<td><strong>14:45</strong></td>
<td><strong># 2778</strong></td>
<td>Results of a high resolution mineralogical and geochemical study within the Merensky reef, Western Limb, Bushveld complex</td>
</tr>
<tr>
<td>Mrs. Justine Magson</td>
<td></td>
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<tr>
<td><strong>15:00</strong></td>
<td><strong># 3337</strong></td>
<td>In situ Sr isotope evidence for plagioclase mingling in the UG2 layer of the Bushveld complex (South Africa)</td>
</tr>
<tr>
<td>Dr. Ilka Kleinmanns</td>
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<tr>
<td><strong>15:15</strong></td>
<td><strong># 3058</strong></td>
<td>Sm-Nd isotopic evidence for sampling of multiple sources during the emplacement of the Upper Critical Zone, Bushveld Complex, South Africa</td>
</tr>
<tr>
<td>Dr. Roger Scoon</td>
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<tr>
<td><strong>Tuesday - Session 6</strong></td>
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<tr>
<td><strong>T18.6 - Processes governing ore formation in the Bushveld Complex and other mafic and ultramafic magmatic systems (IAGOD-CODMUR sponsored)</strong></td>
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<td><strong>Ballroom East</strong></td>
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<td><strong>PAPER #</strong></td>
<td><strong>PAPER TITLE &amp; AUTHOR</strong></td>
</tr>
<tr>
<td><strong>16:00</strong></td>
<td><strong># 244</strong></td>
<td>Hypothesis of non-sequential injection of PGE-rich ultramafic sills in earlier-formed noritic cumulates at Akanani (Platreef), Northern Section of the Bushveld Complex: Evidence from new Sm-Nd isotopic data</td>
</tr>
<tr>
<td>Dr. Roger Scoon</td>
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<tr>
<td><strong>16:15</strong></td>
<td><strong># 4566</strong></td>
<td>Distinguishing multiple sulphide zones in the Platreef within a single core from the Turfspruit Farm prospect, Northern Limb of the Bushveld Complex</td>
</tr>
<tr>
<td>Ms. Eva Marquis</td>
<td></td>
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</tr>
<tr>
<td><strong>16:30</strong></td>
<td><strong># 1384</strong></td>
<td>Platinum-group element contents of some Karelian and Kaapvaal kimberlites: implications for the PGE budget of the sub-continental lithospheric mantle</td>
</tr>
<tr>
<td>Prof. Wolfgang Maier</td>
<td></td>
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<tr>
<td><strong>16:45</strong></td>
<td><strong># 3061</strong></td>
<td>The metallogenesis of the lithospheric mantle and its bearing on the Bushveld magmatic event: Evidence from lamprophyric dykes and critical metals in mantle xenolith sulphides</td>
</tr>
<tr>
<td>Dr. Hannah Hughes</td>
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<tr>
<td>Time</td>
<td>Paper #</td>
<td>Paper Title &amp; Author</td>
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</tbody>
</table>
| 17:00 | #3359 | Anatomy of a LIP-forming conduit system in the Deep Crust: The Seiland Igneous Province, Northern Norway  
Dr. Rune Larsen B. |
| 17:15 | #4182 | Offset PGE reefs revisited: equilibrium and diffusive partitioning in action  
Dr. David Holwell |
| 17:30 | #2843 | Top down formation of the Sonju Lake intrusion (Duluth Complex USA) with implications for formation of PGE reef deposits  
Dr. Craig Lundstrom |

**Tuesday - Session 3**  
**T19.3 Coal**  
**Westin - Marco Polo**  
**08:00–10:00**

<table>
<thead>
<tr>
<th>Time</th>
<th>Paper #</th>
<th>Paper Title &amp; Author</th>
</tr>
</thead>
</table>
| 08:00 | #3122 | Rare and Other Valuable Metals in Coal Deposits of the Far East of Russia  
Dr. Vladimir Vyalov |
| 08:15 | #1203 | Technical evaluation of coal mined by Small Micro and Medium Enterprises  
Mrs. Nthabiseng Portia Mahumapelo |
| 08:30 | #1450 | Quantitative Inorganic Profiling of Coal Seams Using Core-Scanning and Hand-held X-ray Fluorescence Techniques  
Prof. Colin Ward |
| 08:45 | #1443 | Trace Constituents in Coal: Occurrence, EMs.ions, and Environmental Impact  
Dr. Allan Kolker |
| 09:00 | #1284 | Assessment of phosphorus estimation uncertainty in the South Walker Creek Range Coal Measures, Bowen Basin, Central Queensland  
Dr. Oktay Erten |
| 09:15 | #2211 | Application of cleat orientation data from field mapping as critical input for modelling in-situ stress orientation around Coal Bed Methane target area in Jharia Coal Basin, India  
Dr. Suman Paul |

**Tuesday - Session 4**  
**T19.4 Quantitative characterization of coal resources and hazards**  
**Westin - Marco Polo**  
**10:30–12:00**

<table>
<thead>
<tr>
<th>Time</th>
<th>Paper #</th>
<th>Paper Title &amp; Author</th>
</tr>
</thead>
</table>
| 10:30 | #99 | Coal quality estimation from routinely acquired geophysical logs  
Dr. Binzhong Zhou |
| 10:45 | #1838 | Geostatistical drillhole spacing analysis for coal resource classification in the Bowen Basin, Queensland  
Mr. Christophe Bessin |
| 11:00 | #3265 | Geostatistical Modelling for Coal and CBM Resource Estimation: Case from a Gondwana Coalfield, India  
Prof. Bhabesh Chandra Sarkar |
| 11:15 | #1796 | Estimation of Coal Reserves: Comparison of the Stochastic Local Interaction Model and Ordinary Kriging with an Application to a Coal Deposit in Wyoming, USA  
Dr. Ricardo Olea |
| 11:30 | #1413 | Coal Geometallurgy: A place geologists may add value in the coal industry?  
Dr. Herman Dorland |
| 11:45 | #2112 | Mapping of ultimate properties of coal using isometric log-ratio transformation and sequential Gaussian simulation  
Dr. Ricardo A. Olea |

**Tuesday - Session 5**  
**T19.5 Coal**  
**Westin - Marco Polo**  
**14:00–15:30**

<table>
<thead>
<tr>
<th>Time</th>
<th>Paper #</th>
<th>Paper Title &amp; Author</th>
</tr>
</thead>
</table>
| 14:00 | #104 | Coal Geology - A scientific building block for underground Coal Gasification (UCG)  
Dr. Johan Van Dyk |
| 14:15 | #4571 | Identifying the mineral drivers of abrasiveness in the Waterberg coal reserve  
Mr. Nicolas Boonzaier |
| 14:30 | #1453 | Mineralogical Reactions in Low and High Ash South African Coals during Pulverised-fuel Combustion  
Prof. Colin Ward |
| 14:45 | #5008 | The Evaluation of Coal Qualities for Circulating Fluidised Bed Boiler Technology for an IPP project at Delmas, Mpumalanga  
Ms. Nicole Rina Rabe |
| 15:00 | #1455 | Alleviation of slagging in a pf boiler through selective mining and coal blending: a case study from Leigh Creek, South Australia  
Dr. David French |
| 15:15 | #4346 | Comparison of vitrinite reflectance in samples from 6 different coalfields of Botswana  
Prof. Nicola Wagner |
## Tuesday - Session 6
**T19.6 Coal**
Westin - Marco Polo

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>16:00</td>
<td># 425</td>
<td>Simulation of CO2 process for enhanced Coalbed Methane (ECBM) recovery at early stage of Production- A case study from Jharia Coalfield, India Dr. Bibhas Karmakar</td>
</tr>
<tr>
<td>16:15</td>
<td># 538</td>
<td>Variability of Pb-isotopes in the East Indian Gondwana Coal deposits: its influence on Kolkata street dust Dr. Rajeev Kumar</td>
</tr>
</tbody>
</table>

### Concurrent Session - Tuesday - Session 3
**T20.3 - Off-shore petroleum systems of eastern Africa (convened by ENI S.p.A.)** / **Petroleum systems of the Atlantic margin of Africa (convened by BP Plc)**
MR 1.43 - 1.44

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00</td>
<td># 5063</td>
<td>Muftah S Ajdabya University, El-Ekhfifi S National Oil Corporation, Musbah B National Oil Corporation Mr. Saleh Muftah / Mr. Salah S. El-Ekhfifi</td>
</tr>
<tr>
<td>08:30</td>
<td># 506</td>
<td>Record Drilling Research Wells in the Karoo Basin Dr. Hermann Lauferts</td>
</tr>
<tr>
<td>09:00</td>
<td># 5523</td>
<td>Petroleum Prospecting and Geological Challenges of the Offshore East African Margin Andrea Degli Alessandrini (KEYNOTE SPEAKER)</td>
</tr>
<tr>
<td>09:30</td>
<td># 5522</td>
<td>Petroleum systems of East Africa; insights from Exploration activity in Tanzania and Kenya Niall Sayers (KEYNOTE SPEAKER)</td>
</tr>
</tbody>
</table>

### Concurrent Session - Tuesday - Session 4
**T20.4 - Petroleum systems of the Atlantic margin of Africa (convened by BP Plc)** / **Off-shore petroleum systems of eastern Africa (convened by ENI S.p.A.)**
MR 1.43 - 1.44

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30</td>
<td># 5519</td>
<td>Successful Lithology and Fluid Prediction based exploration in East Africa, Tanzania, Block 2 Edwin Schomacker (KEYNOTE SPEAKER)</td>
</tr>
<tr>
<td>10:45</td>
<td># 5524</td>
<td>The outstanding exploration successes of Rovuma Basin after 60 Years of disappointing results in East African Coastal Basin Marco Orsi (KEYNOTE SPEAKER)</td>
</tr>
<tr>
<td>11:00</td>
<td># 5521</td>
<td>The Influence of the Davie Fracture Zone in the petroleum systems, offshore East African Mozambique margin E. S. Mahanjane</td>
</tr>
<tr>
<td>11:30</td>
<td># 1318</td>
<td>Regional interpretation of seismic horizons along the east coast of South Africa Mr. Sean Davids</td>
</tr>
</tbody>
</table>

### Concurrent Session - Tuesday - Session 5
**T20.5 - Petroleum Systems of Eurasia**
MR 1.43 - 1.44

<table>
<thead>
<tr>
<th>TIME</th>
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<tbody>
<tr>
<td>14:00</td>
<td># 2874</td>
<td>The Petroleum System of the Walvis and Orange Basins, Namibia Dr. Marcio Rocha Mello (KEYNOTE SPEAKER)</td>
</tr>
<tr>
<td>14:30</td>
<td># 1145</td>
<td>Petroleum geology of the A-J graben, Orange Basin, South Africa Mr. David van der Spuy</td>
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<td>14:45</td>
<td># 3666</td>
<td>Petroleum Systems of the Angolan Margin Dr. Laura Mackay</td>
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<tr>
<td>15:00</td>
<td># 1679</td>
<td>The Petroleum Geology and Hydrocarbon Potential of the Atlantic Margin Basins of Namibia Mr. Matthew Taylor</td>
</tr>
<tr>
<td>15:15</td>
<td># 3214</td>
<td>The prospectivity of the deep water Orange Basin, offshore Namibia and South Africa Mr. Piet Lambregts</td>
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### Concurrent Session - Tuesday - Session 6
**T20.6 - Petroleum Systems of Eurasia**
MR 1.43 - 1.44

<table>
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<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
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<tr>
<td>16:00</td>
<td># 1076</td>
<td>Upper Cretaceous to recent paleo-submarine channel seismic stratigraphy in the Southern Orange Basin, offshore South Africa Mr. Jonathan Salomo</td>
</tr>
<tr>
<td>16:15</td>
<td># 5529</td>
<td>Petroleum systems of West Africa salt Basins: a review Mr. Delhaye-Prat Vincent</td>
</tr>
<tr>
<td>16:30</td>
<td># 5536</td>
<td>Petroleum Systems of the Tano-Ivorian Basin, Gulf of Guinea Dr. Justine Tinker</td>
</tr>
</tbody>
</table>
**Tuesday - Session 5**  
**T25.5 - General / Critical Metals in Intracontinental Geodynamic Settings**  
Westin - Victoria & Alfred  

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<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
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| 14:00 | # 5268  | Critical Metals and Materials, an African perspective.  
Prof. Paul Nex |
| 14:15 | # 736   | COLTAN in Colombia: strategic or conflict material?  
Mr. Amed Bonilla |
| 14:30 | # 5236  | The critical role of the Bushveld magmatic event for a modern society  
Prof. Judith Kinnaird (KEYNOTE SPEAKER) |
| 15:00 | # 4040  | A review of scandium in carbonatites and alkaline igneous rocks of Africa.  
Mr. Pete Siegfried |
| 15:15 | # 1585  | An investigation of rare earth element enrichment processes associated with oxidative alteration of mafic alkaline magmas  
Mr. Manoka Marageni |

**Tuesday - Session 6**  
**T25.6 - Critical Metals in Intracontinental Geodynamic Settings**  
Westin - Victoria & Alfred  

<table>
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<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
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</thead>
</table>
| 16:00 | # 2991  | Potential rare earth element metallogenetic belts in Africa  
Dr. Kathryn Goodenough |
| 16:15 | # 2714  | Direct and indirect evidence for the composition of REE-mineralising fluids  
Dr. Sam Broom-Fendley |
| 16:30 | # 4227  | An in-situ chemical and isotopic investigation of carbonatitic apatite and the significance of rare earth element systematics  
Dr. Wei Chen |
| 16:45 | # 5208  | Peralkaline Igneous Complexes: The Frontier of REE Deposits  
Dr. Emma Hunt |
| 17:00 | # 1630  | Metamorphic control on REE redistribution in alkaline complexes – the Norra Kärr example  
Mrs. Petya Atanasova |
| 17:15 | # 5640  | Rediscovering the Panda Hill niobium-rich carbonatite in Tanzania  
Mr. Neil Inwood |

**Tuesday - Session 3**  
**T26.3 - Understanding The Mineral Life Cycle / Criticality and Possible Resource Limits**  
MR 1.61  

<table>
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<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
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| 08:00 | # 1184  | The role of African Geological Surveys in attracting mineral investment into Africa  
Dr. Gabriele Schneider |
| 08:15 | # 5433  | Key enablers of a successful mining industry: Lessons from South Africa  
Ms Fatheela Brovko / Prof. Ray Durrheim |
| 08:30 | # 3319  | 3D mapping for mineral exploration under cover: continental to regional scale examples in Australia  
Dr. Richard Blewett |
| 08:45 | # 2988  | Reforming Kyrgyzstan’s Mining Sector  
Dr. Zilaliev Duishenbek |
| 09:00 | # 3389  | Global Resource Assessments of Primary Metals: An Optimistic Reality Check  
Dr. Gavin Mudd |
| 09:15 | # 2731  | Resources Depletion Scenarios - How should we address the limitations?  
Mr. Stephen Northey |
| 09:30 | # 2993  | Global rare earth element resources and challenges for production  
Dr. Kathryn Goodenough |
| 09:45 | # 5530  | Technological Dreams: Building additional human and technological capacity in developing countries and development  
Jeannette McGill |

**Tuesday - Session 4**  
**T26.4 -The Urban Mine**  
MR 1.61  

<table>
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<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
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</thead>
</table>
| 10:30 | # 1713  | Mineral exploration and the challenges for the future supply of minerals  
Mr. Marcio Godoy |
| 10:45 | # 4797  | RAW MATERIALS FUTURES 2050: a review of recent and ongoing foresight exercises in Europe  
Vitor Correia |
### Tuesday - Session 5
**T26.5 - The Urban Mine**  
**MR 1.61**  
14:00–15:30

<table>
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<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 14:00 | # 5511  | Rare earths supply: Current and future situation  
*J.W. Li* |
| 14:15 | # 1432  | Towards EU concept of mineral deposits of public importance for their safeguarding for future generations - considerations on qualifying criteria defining such deposits  
*Dr. Krzysztof Galos* |
| 14:30 | # 4990  | Development of an e-waste implementation toolkit (EWIT) to support the recycling and secondary raw material recovery strategies in metropolitan areas in Africa.  
*Ms. Mariëkie Gericke* |
| 14:45 | # 4155  | Green Mining and Sustainable Resources Prospecting of New Technology Minerals in China  
*Dr. Jionghui Wang* |
| 15:00 | # 5365  | Toward a More Equitable Use of Resources  
*Dr. Patrice Christmann (KEYNOTE SPEAKER)* |
| 15:15 | # 2506  | The importance of technical specifications for stone construction products - The case study of “StonePT brand”, a product certification for Portuguese stone  
*Prof. Luis Lopes* |

### Tuesday - Session 6
**T28.6 - Carbonate Sedimentology**  
**MR 1.41 - 1.42**  
16:00–17:45

<table>
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<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 16:00 | # 1587  | Paleoarchean carbonates on early Earth - microbial biosignature versus hydrothermal origin  
*Prof. Dr. Joachim Reitner (KEYNOTE SPEAKER)* |
| 16:30 | # 834   | Molar Tooth Structures in China  
*Dr. Hongwei Kuang* |
| 16:45 | # 469   | Sedimentation, lithostratigraphic differentiation of Kauriyala Formation and delineation of limestone bands, Inner Krol Belt, Himachal Himalayas, India  
*Mr. N.S. Nayyar* |
| 17:00 | # 138   | Sedimentology and Geochemistry of Carbonate Bearing-Arglilites on the Southeastern Flank of Mount Cameroon (Likomba)  
*Mr. Chongwain Gilbert Mbzighaa / Dr. Christopher M. Agyingi / Dr. Josepha Foba-Tendo* |
| 17:15 | # 1208  | Geochemistry of limestones: implications for environmental and provenance interpretations using a case study from Miocene carbonates (Leitha limestones, Austria)  
*Mr. Ahmed Ali* |
| 17:30 | # 1846  | A New Study of Late Permian Marine Sedimentary Environment in the Xingmeng Area, eastern Inner Mongolia, China: Constraints from the Strontium, Oxygen and Carbon Isotopes, Rare Earth and Trace Elements data  
*Dr. Yongsheng Zhang* |

### Tuesday - Session 3
**T29.3 - Rift basins and rifted margins: architecture and evolution**  
**Hall 4B3**  
08:00–10:00

<table>
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<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
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</thead>
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| 08:00 | # 2904  | Rheological implications of sediment transport for continental rifting and its impact in margin geometry and major unconformities  
*Mr. Miguel Andres-Martinez* |
| 08:15 | # 2906  | Passive margin asymmetry and its polarity in the presence of a craton  
*Mr. Miguel Andres-Martinez* |
| 08:30 | # 4189  | How do SDRs form and what does it tell us about volcanic margin evolution?  
*Dr. Douglas Paton* |
| 08:45 | # 4820  | Thermal evolution of early passive margins formation and consequences on their geophysical signature  
*Prof. Romain Bousquet* |
| 09:00 | # 5232  | Plate flexure and the development of depositional cycles in sedimentary basins  
*Dr. James Moore* |
**Tuesday 30 August**

**Tuesday - Session 4**
**T29.4 - Rift basins and rifted margins: architecture and evolution**
Hall 4B3

<table>
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<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
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| 10:30 | # 966   | Rift architecture and evolution of the Eastern Continental Margin of India – role of the intra-continental shear zones on style of rifting of the Indian subcontinent  
Dr. KS Krishna |
| 10:45 | # 3783  | Revised model of the break-up and early sea-floor spreading between India and Antarctica  
Dr. German Leitchenkov |
| 11:00 | # 2455  | Similarities and differences between tectonic development of Pangea continental margin salt basins  
Dr. Ian Norton |
| 11:15 | # 2461  | Pan-African collision, slab break-off and Rheic Ocean opening imprinted in Pre-Variscan complexes of the Western Tatra Mountains, Western Carpathians (Poland/Slovakia)  
Dr. hab. Aleksandra Gawda |
| 11:30 | # 2900  | Tectonostratigraphic evolution of an inverted rift basin inferred from multi-scale aeromagnetic and gravity datasets: a case study from the Ghanzi Ridge portion of the Kalahari Copperbelt, Botswana  
Mr. Wesley Hall |

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**Tuesday - Session 5**
**T29.5 - Recent advances in foreland basin systems**
Hall 4B3

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<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
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</table>
| 14:00 | # 4644  | Cenozoic deformation assessed through sedimentological benchmarks: constraints on dynamic topography and neotectonics in Western Australia  
Dr. Milo Barham |
| 14:15 | # 2839  | Crust-mantle coupling in foreland basin systems  
Prof. Frederic Moutheau |
| 14:30 | # 523   | Recent activity in the Eyvanekey foreland basin, Southern Alborz, Iran  
Dr. Soheila Bouzari |
| 14:45 | # 2787  | Contrasting development of foreland basins in western Taiwan: Its implications of kinematics of orogenic evolution  
Dr. Kenn-Ming Yang |
| 15:00 | # 4468  | New geo-thermochronological constraints on the deformation history of the SW margin of Gondwana: linking the Terra Australis fold belts and foreland basins of South America and southern Africa  
Dr. Eric Tohver |

**Tuesday - Session 6**
**T29.6 - Recent advances in foreland basin systems**
Hall 4B3

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<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
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</table>
| 16:00 | # 5209  | Plate flexure and the evolution of foreland basins  
Dr. Anthony Watts (KEYNOTE SPEAKER) |
| 16:30 | # 5110  | Tracking Basin Inversion in the RetroArc Foreland Basin: Integrated Provenance Studies in the Cacheuta Basin, South-Central Andes  
Dr. J. Brian Mahoney |
| 16:45 | # 3188  | Tectono-stratigraphic evolution of the northeastern Pyrenean Foreland Basin  
Dr. Frédéric Christophoul |
| 17:00 | # 2859  | Inversion of a salt-rich hyper-extended rift: geometry and evolution of the retrowedge foreland system of the French Pyrenees. Results of the PYRAMID project  
Dr. Mary Ford |
| 17:15 | # 5036  | The role of extensional inheritance and surface processes on mountain belt evolution  
Prof. Ritske S. Huismans |
| 17:30 | # 1682  | Superimposition and structural reactivation of foreland basins in the mountain-front region, United Arab Emirates  
Dr. Tim Pharaoh |

**Tuesday - Session 3**
**T30.3 - Geology and Tectonics Of the Himalayan Orogenic Belt**
Auditorium 1

<table>
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<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
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</table>
| 08:00 | # 1688  | Neotectonically controlled block tilting and its influence on drainage and soil characteristics of the Sone megafan: A study of the Himalayan tectonics to the south of the Ganga River  
Dr. Pitambar Pati |
# 4351 The Mw 6.7, 2016, Imphal earthquake and its implications on the seismic hazard along the Indo-Burmese plate
*Ms. Revathy Parameswaran*

# 4300 Interpreting bedrock uplift and channel morphology for tectonic interpretation in Alaknanda valley, Garhwal Himalaya, India
*Dr. Naresh Rana*

# 4694 Exhumation and weathering history of the Himalayan frontal system
*Dr. Ryan McKenzie*

# 4724 The identification of the orographic barrier in Chenab River Basin and its role in the slope stability condition
*Dr. Ravindra Pratap Singh / Prof. Chandra Shekhar Dubey*

# 2838 Ar/Ar ages from the Shergol blueschist unit, Indus suture zone, Ladakh: preservation of early stages of subduction of the Neotethys
*Dr. Johann Genser*

# 4009 Cenozoic Continental Subduction in the NW-Himalaya: from steep to sub-horizontal configuration of the Indian Plate
*Dr. Arvind K. Jain (KEYNOTE SPEAKER)*

**Tuesday - Session 3**

**Time** | **Paper #** | **Paper Title & Author**
--- | --- | ---
08:00 | # 150 | Constrain multistage deformation using FIAs, Garnet Lu-Hf and Monazite U-Pb dating- A case study of north Qilian, China
*Dr. Hui Cao (KEYNOTE SPEAKER)*

08:15 | # 685 | Geochemical and geochronological studies on two bimodal magmatism in the eastern Tianshan Belt, Northwest China and implications for the Later Paleozoic tectonic evolution
*Dr. Xijie Chen*

08:30 | # 688 | India-Asia collision near the western syntaxis: paleomagnetic constraints from Late Cretaceous volcanic rocks at the westernmost Lhasa Terrane
*Dr. Zhiyu Yi*

09:00 | # 852 | Kinematics, fabrics and geochronology analysis in the Médog shear zone, Eastern Himalayan Syntaxis
*Dr. Hanwen Dong*

09:15 | # 1750 | Discussion on Cenozoic tectonic evolution and tectonic dynamics of the Huanghua depression
*Dr. Min Dong*

**Tuesday - Session 4**

**Time** | **Paper #** | **Paper Title & Author**
--- | --- | ---
10:30 | # 2623 | Geochemistry, zircon U-Pb geochronology and Lu-Hf isotope of granitoids and microgranular enclaves from Ladakh batholith, Indian Himalaya: Evidence of synchronous mixing-fractionation and chemical re-equilibration
*Prof. Santosh Kumar*

10:45 | # 109 | Tectonic Framework of Orogenic belts and Basins System in abdomen of Asia
*Mr. Yang Zhanlong*

11:00 | # 3939 | Timing of tectonic evolution of the East Kunlun Orogen, Northern Tibet Plateau
*Dr. Y unpeng Dong*

11:15 | # 1873 | Paleomagnetic results from the Early Cretaceous lava flows: Constraints on the paleolatitude of the Tethyan Himalaya and the India–Asia collision
*Dr. Tianshui Yang*

11:30 | # 1984 | Reconstruction of the Himalayan Architecture: Insights from the Tethyan Himalayan Decollement and the Great Himalayan Thrust
*Prof. Zhiqin Xu*

11:45 | # 2514 | Integrating themokinematic models and balanced cross sections to determine the geometry, sequence and rate of faulting through the eastern Himalaya
*Dr. Nadine McQuarrie*

**Tuesday - Session 4**

**Time** | **Paper #** | **Paper Title & Author**
--- | --- | ---
10:30 | # 5216 | Thermal softening of continental crust, strain localization, and low-pressure, high-temperature metamorphism: Insights from the Mary Kathleen Zone, Mount Isa Inlier (Australia)
*Dr. Juergen Reinhardt (KEYNOTE SPEAKER)*

11:00 | # 2607 | Fluid-induced Strain localization and the Fe enrichment-A case study of the Gongchangling Iron Mine, NE China
*Dr. Qing Zhang*

11:15 | # 2755 | An Appraisal of Precambrian Geology of Coastal Maharashtra, India
*Dr. Lolitkumar Kshirsagar*

11:30 | # 2883 | Indo-Asian Collision: Tectonic Transition from Compression to Strike Slip
*Prof. Zhiqin Xu*

11:45 | # 3120 | Post Indian plate-Kohistan Island Arc collision tectonics of the northwest Himalaya at the Main Mantle Thrust, Lower Swat, Pakistan
*Dr. Asghar Ali*
Tuesday - Session 5  
T30.5 - Geology and Tectonics Of the Himalayan Orogenic Belt  
Auditorium 1  

TIME | PAPER # | PAPER TITLE & AUTHOR
--- | --- | ---
14:00 | # 2725 | Key challenges in Himalayan tectonics and climate-tectonic interactions  
Dr. Alex Webb (KEYNOTE SPEAKER)
14:30 | # 4290 | Geochemical Characteristics of Abor volcanics, Arunachal Pradesh, India and Probable age of its Emplacement  
Mr. Chaitra Dhar Taye
14:45 | # 4817 | Geochemistry and Tectono-Sedimentary Evolution of Surma Basin, Mizoram, India  
Mr. Babul Bharali
15:00 | # 168 | Discovery of Middle-Late Triassic Conodonts within accessory complexes of South Qiangtang in the region of Tibetan Marigangri (China) and its tectonic significance  
Prof. Gen-Hou Wang
15:15 | # 258 | Neo-tectonic activity in Sarpang Re-entrant, frontal Bhutan Himalaya, Kokrajhar District, Assam, India constrain from Geological, Geomorphological and GPS surveys.  
Mr. Tanay Dutta Gupta

Tuesday - Session 3  
T34.3 - African Geochronology  
Westin - Prince Edward/Schappen  

TIME | PAPER # | PAPER TITLE & AUTHOR
--- | --- | ---
08:00 | # 4541 | Uranium-series dating of bracketing mineral accretions associated with Kimberley rock art  
Dr. Helen Green
08:15 | # 1835 | Basement architecture of the Central African Kasai Craton revealed using high precision SHRIMP U-Pb zircon geochronology  
Dr. Hielke Jelsma
08:30 | # 3298 | Temperature sensitivities of non-traditional (U-Th)/He thermochronometers and thermal evolution of the Phalaborwa carbonatite complex, Kaapvaal Craton, South Africa  
Ms. Jaclyn Baughman
08:45 | # 5549 | Dating faults, metamorphism, diagenesis, and surface processes by U-Pb small scale isochrons  
Dr. Axel Gerdes
09:00 | # 5551 | New chronology for the southern Kalahari Group sediments with implications for sediment-cycle dynamics and early hominin occupation  
A Matmon
09:15 | # 3729 | Evolution of the Cape Fold Belt, South Africa: high-precision dating of detrital and metamorphic muscovite from the Palaeozoic Cape Supergroup  
Ms. Scarlett Blewett
09:30 | # 2582 | Argon ages of muscovite from the Cape Fold Belt, South Africa and their implications for understanding the Cape Fold Belt - Karoo Basin system  
Mr. Jeroen Hansma
09:45 | # 1804 | River sediment system responses to climate forcing evaluated using luminescence partial bleaching  
Prof. Jasper Knight

Tuesday - Session 4  
T34.4 - Geochronology  
Westin - Prince Edward/Schappen  

TIME | PAPER # | PAPER TITLE & AUTHOR
--- | --- | ---
10:30 | # 420 | Zircon U-Pb age and Hf isotopic studies of Lohit Plutonic Complex, Arunachal Pradesh, India by LA-MC-ICPMS.  
Dr. James Pebam
10:45 | # 169 | U-Pb zircon ages of tuff from the Hongzaoshan Formation, Quanji Group in the north margin of Qaidam Basin, NW China and their geological significances  
Prof. Kun-Lian Wang
11:00 | # 539 | Evidence for Mesoarchean magmatism in the Dharwar craton from Sm-Nd isotope studies on mafic metavolcanic rocks of the Chitradrurga greenstone belt, India  
Mr. D Kamalakannan
11:15 | # 1049 | Radiocarbon dating of holocene time planes: implication for sea level change along Saurashtra Coast, Western India  
MS. Gargi Bhattacharya
11:30 | # 2264 | U-Pb-Hf isotopic characteristics of the Jurassic granitoids in the Jiaodong area and their tectonic significance  
Mr. Dong Wang
11:45 | # 5308 | Large-scale zinc and lead mineralization in the western margin of the Yangtze Block from late Triassic to early Jurassic  
Mr. Guangshu Yang
### Tuesday - Session 5
#### T35.5 - Isotope Geoscience
Westin - Sir Francis Drake

**TIME** | **PAPER #** | **PAPER TITLE & AUTHOR**
--- | --- | ---
14:00 | # 4791 | Surface water – groundwater interactions in alluvial contexts: constraints using single and multi-isotope tracers
*Dr. Emmanuelle Petelet-Giraud (KEYNOTE SPEAKER)*

14:30 | # 4725 | Fractionation of lithium isotopes during granite weathering revealed in waters, saprolites, soils and sediments (Massif Central, France)
*Dr. Philippe Negrel*

14:45 | # 4582 | A palaeoenvironmental proxy with more bite: assessing the applicability of O-isotopes in micromammal teeth
*Dr. Milo Barham*

### Tuesday - Session 6
#### T35.6 - Isotope Geoscience
Westin - Sir Francis Drake

**TIME** | **PAPER #** | **PAPER TITLE & AUTHOR**
--- | --- | ---
16:00 | # 5295 | Palaeozoic to Archaean zircons in rocks derived from the Galapagos mantle hotspot: where do they come from?
*Dr. Yamirka Rojas-agramonte (KEYNOTE SPEAKER)*

16:30 | # 2813 | Two different Neoproterozoic-Cambrian sedimentary basins of Dzabkhan continental block (Central Asian fold belt)
*Dr. Irina Vishnevskaia*

16:45 | # 4663 | The oxygen isotope study of zircon grains from Catanda extrusive carbonatite (Angola).
*Prof. Stanislaw Wolkowicz*

17:00 | # 2964 | Origin of hydrocarbon gases accumulated in the Zechstein Main Dolomite reservoir in Wielkopolska Province of the Polish Permian Basin
*Ms. Elżbieta Bilkiewicz*

### Tuesday - Session 3
#### T36.3 - LIPs/Alkali Complexes
MR 1.41 - 1.42

**TIME** | **PAPER #** | **PAPER TITLE & AUTHOR**
--- | --- | ---
08:00 | # 3369 | Magmatic complexes of the Urals that may belong to Large Igneous Provinces
*Dr. Victor Puchkov*

08:15 | # 5309 | Geochemistry of the High-Ti Flood Basalts in Mid-Eastern Emeishan Large Igneous Province, SW China
*Mr. Guangshu Yang*

08:30 | # 4770 | Magma plumbing to the 2014-15 Holuhraun eruption, Iceland
*Mr. Horri Geiger*

08:45 | # 4941 | Seismic imaging of sills, dykes and hydrothermal vents in the Main Karoo Basin, South Africa: implications for shale gas potential
*Prof. Susan Webb / Dr. Stephanie Scheiber-Enslin*

09:00 | # 595 | Coronite structures in ferrogabbros as evidence for the existence of a high-Fe melt: Example from the Elet’ozoero intrusive complex (north Karelia, Russia)
*Dr. Evgenii Sharkov*

09:15 | # 345 | PGE - bearing sulphides in mafic-ultramafic sills and dykes of Krishnarajpet and Hadanur- Tagadur belts, Western Dharwar Craton (India)
*Mr. Nibin Tom*

09:30 | # 5258 | Coupled S and Pb isotopic systematics of the ~2.06 Ga Phalaborwa phoscorite-carbonatite complex: sulphur sources and age of sulphide mineralization
*Dr. Robert Bolhar*

09:45 | # 3536 | Mesoproterozoic Miaskitic Alkaline Magmatism and its Manifestation in the Cuddapah Intrusive Province of Peninsular India: A petrological and Geochemical study
*Dr. Ragi Reddy*

### Tuesday - Session 4
#### T36.4 - Alkali Complexes/Ophiolites
MR 1.41 - 1.42

**TIME** | **PAPER #** | **PAPER TITLE & AUTHOR**
--- | --- | ---
10:30 | # 3745 | The miaskitic-to-agpaitic transition in the Pilanesberg alkaline complex, South Africa
*Prof. Tom Andersen*

10:45 | # 3627 | The Mesoproterozoic Pilanesberg Complex - age and whole rock geochemistry
*Prof. Marina Elburg*

11:00 | # 376 | Chemistry of Chrome-Spinel in serpentinite of the Taka, Central India: Its genetic significance.
*Dr. Rajkumar Meshram*

11:15 | # 358 | Petrogenesis of chromitite pods in Andaman ophiolite: magmatic evolution in two stages of melt-rock interaction
*Dr. Tapan Pal*

11:30 | # 1579 | Study of Archaean mafic-ultramafic rocks from a partly preserved ophiolite complex of Bangriposi and Kuliana areas, Orissa, eastern India
*Dr. Arijit Ray*
### Tuesday - Session 5  
**T36.5 - Granite Keynotes**  
MR 1.41 - 1.42  
14:00–15:30

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 14:00 | # 4957  | Geochemical Fingerprinting of Granites Revisited  
**Prof. Julian Pearce (KEYNOTE SPEAKER)** |
| 14:30 | # 2985  | Crustal and tectonic evolution of accretionary orogens in NE Asia: evidence from geochronological and geochemical study of granitoids and comparison with the Central Asian Orogenic Belt  
**Prof. Bor-ming Jahn (KEYNOTE SPEAKER)** |

### Tuesday - Session 3  
**T37.3 - Gems: bringing the World together**  
Westin - Seal/Robben  
08:00–10:00

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 08:00 | # 3588  | [Fe,Ni,Cu](O,S) spheroids from Catoca kimberlits eclogite xenoliths  
*Dr. Vladimir Zinchenko* |
| 08:15 | # 542   | Gemstones of Southern Africa: a tour of the subcontinent  
**Prof. Bruce Cairncross (KEYNOTE SPEAKER)** |
| 08:45 | # 3610  | Geochemical characteristics of beryl from pegmatites of the Erongo Volcanic Complex, Namibia  
**Ms. Julieta Lum** |
| 09:00 | # 554   | Physical and Chemical Characteristics of Nine Diamond Parcels from the Central African Republic - Is Source Discrimination Possible?  
**Ms. Susan Foulkes** |
| 09:15 | # 728   | An eclogitic and deep mantle origin of Panna Diamonds, Madhya Pradesh, India: Evidence from morphological and Raman Spectroscopic studies.  
**Ms. Aparajita Bhattacharya** |
| 09:30 | # 1693  | Modern Mining of Primary and Secondary Gem Deposits in Mogok, Myanmar  
**Mr. Brendan Laurs** |
| 09:45 | # 1705  | An unusual ruby-sapphire transition in megacrystic corundum, New England gem field, New South Wales, Australia  
**Mr. Stephen Harris** |

### Tuesday - Session 4  
**T37.4 - Gems: bringing the World together**  
Westin - Seal/Robben  
10:30–12:00

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 10:30 | # 1766  | Origin of rubies from the Paranesti region, North-Eastern Greece  
**Ms. Kandy Wang** |
| 10:45 | # 4013  | Blue sapphires in syenite pegmatites from Ilmen Mountains, South Urals  
**Dr. Elena S. Sorokina** |
| 11:00 | # 1438  | Polyoxoniobiates from Cajati, São Paulo, Brazil  
**Dr. Daniel Atencio** |
| 11:15 | # 1462  | New mircrolite-group minerals from Volta Grande Pegmatite, Minas Gerais, Brazil  
**Dr. Marcelo Andrade** |
| 11:30 | # 1755  | Geochemistry and Raman spectroscopy of micas associated with greisens in the Poimena granite, NE Tasmania  
**Dr. Jan van Moort** |
| 11:45 | # 4747  | Relation of magnetite composition to magnetic susceptibility in Mauritian basalts  
**Mr. Yashirvad Thakurdin** |

### Tuesday - Session 5  
**T37.5 - Mineralogy**  
Westin - Seal/Robben  
14:00–15:30

<table>
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<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
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| 14:00 | # 2918  | An overview on new platinum-group minerals and their synthetic analogues  
**Dr. Anna Vymazalova (KEYNOTE SPEAKER)** |
| 14:30 | # 1486  | Osbornite (TiN): Implications for an extraterrestrial origin of carbonado-diamonds  
**Prof. Gopalakrishnarao Parthasarathy** |
| 14:45 | # 5353  | Computational modelling studies of the minerals sulphides with the pentlandite structure.  
**Dr. Mofuti Mehlape** |
| 15:00 | # 5005  | Element mobilization resulting from mineral replacement reactions  
**Dr. Christine V. Putnis** |
| 15:15 | # 5200  | Simulation study of Au occurrence state in arsenopyrite crystal  
**Pro. HongYing Yang** |
## Tuesday - Session 6
### T37.6 - Mineralogy
#### Westin - Seal/Robben

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 16:00 | # 1686  | Polymorphs and morphologies of calcium carbonate induced by inorganic and organic additives  
**Dr. Hong Li** |
| 16:15 | # 3501  | Cost Comparison of Sample Preparation for the Mineralogical Community - Primitive Techniques vs Advanced Mechanical Techniques  
**Mr. Igor Tonzetic** |

## Tuesday - Session 3
### T38.3 - Metamorphic processes in early Earth evolution
#### Westin - Diaz & Da Gama

<table>
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<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
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</table>
| 08:00 | # 3493  | Archean metamorphism and geodynamics: from episodic and local to continuous and global subduction and mobile-lid plate tectonics  
**Dr. Tim Johnson (KEYNOTE SPEAKER)** |
| 08:30 | # 1205  | Metamorphic processes in the Eoarchaean: evidence from the 3.7-3.8 Ga Isua Greenstone Belt  
**Prof. Hugh Rollinson** |
| 08:45 | # 5026  | The metamorphic history of Paleo-, Meso and Neo-Archaean sedimentary rocks and associated basement along the eastern and northern edge of the Kaapvaal craton: Insights into the enigmatic geodynamic processes that formed and shaped the Archean Earth  
**Prof. Gary Stevens** |
| 09:00 | # 4228  | Remarkable preservation: metamorphic processes in the 3.5 Ga North Pole Dome, Pilbara Craton, Australia  
**Prof. Martin Van Kranendonk** |
| 09:15 | # 3662  | The Dwalile Supracrustal Suite of the Ancient Gneiss Complex, Swaziland: evidence for discontinuous deposition and polymetamorphism  
**Dr. Valby Van Schijndel** |

## Tuesday - Session 4
### T38.4 - Metamorphic processes in early Earth evolution
#### Westin - Diaz & Da Gama

<table>
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<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
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</table>
| 10:30 | # 3464  | Metamorphic PT path of Shirokaya Salma Archean Eclogite-bearing complex of Belomorian province, Russia  
**Dr. Xiaoli Li** |
| 10:45 | # 5191  | Metamorphic evolution and petrogenesis of ultramafic rocks of komatiitic composition from the Central Zone of the Limpopo Belt, South Africa.  
**Dr. Tapabrato Sarkar** |
| 11:00 | # 725   | Low-pressure-high temperature compressional tectonics in Central Indian Tectonic Zone: A study of the metapelites of Mahakoshal Group of rocks in Central India  
**Dr. Kasturi Chakraborty** |
| 11:15 | # 359   | Nature of fluids and timing of metamorphism of the regional high grade granulite terrain of Biligirirangan hill, Dharwar craton, Southern India  
**Dr. Girish Kumar Mayachar** |
| 11:30 | # 910   | The Neoaercharan Granulite Facies Metamorphism in the East Hebei, North China Craton  
**Prof. Chunjing Wei** |

## Tuesday - Session 5
### T38.5 - Metamorphic processes in early Earth evolution
#### Westin - Diaz & Da Gama

<table>
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<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 14:00 | # 1028  | High-pressure mafic granulite at the Archean/Proterozoic boundary from the Jiaodong Terrain, North China Craton: Petrography, geochronology, geochemistry and geological implications  
**Dr. Shoujie Liu** |
| 14:15 | # 3859  | Reworking ofNeoarchean TTGs and amphibolites through fluid-fluxed partial melting, Western Shandong Province, North China Craton  
**Dr. Chris Yakymchuk** |
| 14:30 | # 449   | Phase Equilibria Modelling and Zircon Age Dating of pelitic granulites in Zhaojiayao, from the Jining Group of the Khondalite Belt, North China Craton  
**Mr. Xianwei Li** |
| 14:45 | # 667   | Metamorphic P-T paths and Zircon U-Pb age data for the Paleoproterozoic metabasic dykes of high-pressure granulite facies from Eastern Hebei, North China Craton  
**Dr. Zhanzhan Duan / Prof. Chunjing Wei / Dr. Jiahui Qian** |
### Tuesday, 30 August

#### Session 6

**T38.6 - Challenges in High-grade metamorphism and crustal melting**

*Westin - Diaz & Da Gama*

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 15:00 | # 2166  | Pelitic high-P granulites from the Huai’an Complex, North China Craton: Metamorphic evolution and geological significance  
Dr. Jialin Wu |
| 15:15 | # 1239  | P–T–t evolution of the Wutai–Hengshan area, North China Craton: insights from phase equilibria and geochronology of garnet amphibolites  
Dr. Jiahui Qian |

**TIME** | **PAPER #** | **PAPER TITLE & AUTHOR**  
---|---|---|
| 16:00 | # 3451 | Granulite facies metamorphism and melting: the message from metabasalts  
*Prof. Richard White* (KEYNOTE SPEAKER) |
| 16:30 | # 1589 | Carbonatitic melt and silicate melt produced during partial melting of metasediments at lower crustal depth  
*Dr. Silvio Ferrero* |
| 16:45 | # 1026 | Rcrust: a new P-T-X modelling tool and application to melt loss  
*Mr. Matthew Mayne* |
| 17:00 | # 2153 | Stepwise metamorphic and anatectic reactions in high-grade metamorphic terrains  
*Prof. Lingsen Zeng* |
| 17:15 | # 2278 | New insights into the Palaeoproterozoic tectonothermal evolution of the northeastern sector of the Aileron Province, central Australia  
*Dr. Barry Reno* |
| 17:30 | # 3355 | Petrography and P-T conditions of garnet-staurolite mica schists from the Tugela terrane, Natal Metamorphic Complex, South Africa  
*Dr. Peter Horvath* |

#### Session 3

**T40.3 - Continental Shelves**

*Ballroom West*

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 08:00 | # 3554  | Depositional and erosional processes during the early postglacial phases in the Gulf of Cádiz shelf  
*Dr. Francisco José Lobo* |
| 08:15 | # 1393  | Outer shelf dynamics in a sediment-undersupplied margin: The Malta Plateau, central Mediterranean Sea  
*Dr. Aaron Micallef* |
| 08:30 | # 4381  | Present-day breakdown of a submerged shoreline and implications for the development of wave ravinement surfaces  
*Ms. Lauren Pretorius* |
| 08:45 | # 2605  | Coastal systems in Japan  
*Dr. Yoshiki Saito* |
| 09:00 | # 1263  | Global compilation of marine varve records  
*Dr. Arndt Schimmelmann* |
| 09:15 | # 1246  | Holocene development and sedimentological characteristics of the Andaman Sea inner shelf offshore Phang Nga province (Thailand)  
*Dr. Klaus Schwarzer* |
| 09:30 | # 5173  | Geomorphology of a tropical shelf: Rio Grande do Norte East Sector, NE Brazil  
*Prof. Helenice Vital* |
| 09:45 | # 2611  | Control of Quaternary sea-level changes on fluid flow and shallow gas reservoirs in the Levant margin  
*Dr. Nicolas Waldmann* |

#### Session 4

**T40.4 - Continental Shelves**

*Ballroom West*

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 10:30 | # 5176  | Inshore gas limit and shallow stratigraphy of the Orange River mud belt  
*Dr. Errol Wiles* |
| 10:45 | # 3140  | Geological built-up and sediment distribution of Amrum Bank (North Sea)  
*Ms. Kerstin Wittbrodt* |
| 11:00 | # 5461  | Terrestrial Quaternary sediments preserved on the South African shelf shed light on the glacial palaeoenvironment  
*Dr. Hayley Cowthra* |
| 11:15 | # 2385  | Development of the northeastern shelf margin of the South China Sea since the Late Miocene: sequence architecture, depositional evolution and sea-level changes  
*Ms. Jing Jiang* |
| 11:30 | # 3310  | Seismic-stratigraphic approach to Late Pleistocene/Holocene evolution of Lagoa dos Patos, Southern Brazil  
*Mr. Eduardo Bortolin* |
### Tuesday - Session 5
#### T40.5 - IODP
Ballroom West

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
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</thead>
</table>
| 14:00 | # 2051  | International Ocean Discovery Program (IODP): The Latest Incarnation of Almost Five Decades of Scientific Ocean Drilling Excellence  
*Dr. James Austin (KEYNOTE SPEAKER)* |
| 14:30 | # 4436  | D/V Chikyu IODP scientific ocean drilling achievements and the beyond  
*Dr. Shin’ichi Kuramoto* |
| 14:45 | # 1536  | European Consortium for Ocean Research Drilling (ECORD) in the International Ocean Discovery Program (IODP) : new opportunities in scientific drilling  
*Dr. Gilbert Camoin* |
| 15:00 | # 3332  | ECORD Ms.ion-Specific Platform Expeditions in the International Ocean Discovery Program  
*Ms. Carol Cotterill* |

### Tuesday - Session 6
#### T40.6 - IODP
Ballroom West

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 16:00 | # 898   | A quarter-century of geophysical results from ODP/IODP CORK observatories  
*Dr. Keir Becker* |
| 16:15 | # 5137  | Antarctica’s Cenozoic Ice and Climate History: New Science and New Challenges of Drilling in Antarctic Waters  
*Dr. Trevor Williams* |
| 16:30 | # 1881  | Oceanographic and climate changes during the Mid Pleistocene uncovered from Bering Sea and Pacific Ocean sediment cores  
*Dr. Sev Kender* |
| 16:45 | # 3183  | Holocene sedimentation in the Ångermanälven River estuary, the Baltic Sea – IODP Site M0062  
*Prof. Aarno Kotilainen* |
| 17:00 | # 819   | Miocene to Recent Oceanographic and Climatic Histories from the Australian Northwest Shelf: Results from IODP Expedition 356  
*Dr. Craig Fulthorpe* |
| 17:15 | # 3648  | Evolution of the Gulf of Cadiz Margin and southwest Portugal from IODP Expedition 339 results  
*Dr. F. Javier Hernández-Molina* |

### Tuesday - Session 3
#### T44.3 - IGCP 632 Continental Crises of the Jurassic: Major extinction events and environmental changes
Reg Foyer 2

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 08:00 | # 4625  | The relationships between Middle-Late Jurassic tectonics and formation of the Yanliao biota  
*Prof. Diying Huang (KEYNOTE SPEAKER)* |
| 08:30 | # 967   | Problem of terrestrial Jurassic and Cretaceous boundary in northern China  
*Prof. Xiaojiao Wan* |
| 08:45 | # 1352  | Late Cretaceous ostracod fauna from the Shennjiuand section (Songliao Basin, Northeast China) and its biostratigraphic, palaeoenvironmental implications  
*Dr. Yaoqiang Wang* |
| 09:00 | # 4010  | The record of caddisfly-dominated microbial-carbonated bioherms from the Early Cretaceous Yixan Formation in western Liaoning, China: occurrence and palaeoenvironmental implications  
*Mr. Jiang Xu* |
| 09:15 | # 1237  | The Earliest Herbaceous Seed Plant from the Middle Jurassic of China  
*Prof. Xin Wang* |
| 09:30 | # 4631  | Feathered dinosaurs of Chinese Mesozoic lacustrine lagerstätten: Extraordinary preservation or extraordinary effort?  
*Dr. Paul Olsen* |
| 09:45 | # 835   | Mesozoic nonmarine palaeogeography and palaeotectonic evolution in the Middle-East China  
*Dr. Yongqing Liu* |

### Tuesday - Session 4
#### T44.4 - Palaeozoic-Mesozoic Ecosystems of Gondwana
Reg Foyer 2

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 10:30 | # 4550  | Palaeoecology and palaeoenvironments of Glossopteris forests from the heart of Gondwana: the Lambert Graben, east Antarctica  
*Prof. Stephen McLaughlin* |
| 10:45 | # 3857  | The Pristerognathus AZ and the aftermath of the Capitanian extinction event in the main Karoo Basin  
*Dr. Michael Day* |
| 11:00 | # 3735  | Tapinocephalid dinocephalians, the first large terrestrial tetrapods – Potential for refined Middle Permian Biostratigraphy?  
*Prof. Bruce Rubidge* |
Preliminary findings: An in depth litho- and biostratigraphic analysis of the Lower Beaufort Group, Karoo Supergroup, between Jagersfontein and the Orange river in the central Free State Province, South Africa, and implications for the depositional history of a distal bulge.

Mr. David Groenewald

Tuesday - Session 5
T44.5 - Palaeozoic-Mesozoic Ecosystems of Gondwana
Reg Foyer 2

TIME PAPER # PAPER TITLE & AUTHOR
14:00 # 4679 The Beaufort-Stormberg contact in the main Karoo Basin – the most important unconformity surface for understanding the basin’s development
Dr. Philip John Hancox

Tuesday - Session 5
T44.6 - The Dawn of Animals: Cryogenian to Cambrian
Reg Foyer 2

TIME PAPER # PAPER TITLE & AUTHOR
14:00 # 4679 Systematic description of putative animal fossils from the early Ediacaran Lantian Formation of South China
Dr. Bin Wan

Tuesday - Session 6
T44.6 - The Dawn of Animals: Cryogenian to Cambrian
Reg Foyer 2

TIME PAPER # PAPER TITLE & AUTHOR
16:00 # 2770 New capabilities of aeromagnetic methods based on unmanned aerial vehicle for monitoring of geodynamic processes
Mstislav Victoria Kurmaeva

Tuesday - Session 5
T45.5 - Unmanned aerial vehicles (UAV)-based technologies for geology and Earth sciences / Applications of X-ray computed tomography in the Earth Sciences
Westin - Prince Edward/Schappen

TIME PAPER # PAPER TITLE & AUTHOR
14:00 # 2613 The aeromagnetic survey using non-magnetic unmanned aerial platform in Kaluga region (Russia)
Dr. Sergey Cherkasov

Tuesday - Session 6
T45.5 - Unmanned aerial vehicles (UAV)-based technologies for geology and Earth sciences / Applications of X-ray computed tomography in the Earth Sciences
Westin - Prince Edward/Schappen

TIME PAPER # PAPER TITLE & AUTHOR
14:00 # 1920 Mineral quantification at the nanoscale by combining synchrotron radiation x-ray tomography, fluorescence and diffraction
Dr. Jussi-Petteri Suuronen

Tuesday - Session 5
T45.5 - Unmanned aerial vehicles (UAV)-based technologies for geology and Earth sciences / Applications of X-ray computed tomography in the Earth Sciences
Westin - Prince Edward/Schappen

TIME PAPER # PAPER TITLE & AUTHOR
14:00 # 2093 Determination of Hematite and Magnetite Attenuation Coefficients for the Optimisation of X-ray Computed Tomography Scanning Resolution
Mr. Lunga Bam

Tuesday - Session 6
T45.5 - Unmanned aerial vehicles (UAV)-based technologies for geology and Earth sciences / Applications of X-ray computed tomography in the Earth Sciences
Westin - Prince Edward/Schappen

TIME PAPER # PAPER TITLE & AUTHOR
14:00 # 4557 Use of drones for aeromagnetic surveys; an overview
Dr. Marina Diaz Michelen
### Tuesday - Session 6  
**T45.6 - Applications of X-ray computed tomography in the Earth Sciences**  
**Westin - Prince Edward/Schappen**  
16:00–17:45

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 16:00 | 4286    | X-ray tomography of cut and polished diamonds and gemstones  
Dr. Anton Du Plessis |
| 16:30 | 5058    | Determination of the amount of carcinogenic erionite in an ignimbrite using X-Ray Microtomography  
Dr. H. Evren Çubukçu |
| 16:45 | 3768    | Improving the beneficiation process of scheelite ores using X-ray tomography  
Mr. Stephan le Roux |
| 17:00 | 801     | Femtosecond laser ablation – ICP mass spectrometry: a powerful high-resolution method for in-situ trace element and isotope ratio measurements in climate geochemistry  
Dr. Klaus Jochum |
| 17:15 | 1423    | Discrimination of danburite from different deposits by chemical components: a femtosecond LA-ICP-MS study  
Dr. Le Huang |
| 17:30 | 4452    | Investigating pegmatite hosted gem quality garnet and tourmaline by selfFrag liberation  
Mr. Nicolaas Steenkamp |

### Tuesday - Session 3  
**T47.3 - The Carboniferous World: Assembly of Pangaea and Onset of Late Paleozoic Glaciations**  
**Reg Foyer 1**  
08:00–10:00

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 08:00 | 2956    | The Carboniferous World: Assembly of Pangaea and Onset of late Paleozoic Glaciations  
Dr. Barry Richards (KEYNOTE SPEAKER) |
| 08:30 | 4008    | Characterization of conodont biostratigraphy in the basal Moscovian boundary interval at the Naqing section, Loudian, Guizhou, South China  
Dr. Lance Lambert |
| 08:45 | 1779    | Ice volume and paleoclimate history of the Late Paleozoic Ice Age from conodont apatite oxygen isotopes from Naqing (Guizhou, China)  
Dr. Bo Chen |
| 09:00 | 5024    | Climatic control on salinity gradient across the US Midcontinent Sea during Pennsylvanian glacio-eustatic highstands  
Dr. Michael Joachimski |
| 09:15 | 1689    | Refining the Carboniferous-Permian Successions of the Paraná Basin, Brazil via High-Resolution Zircon U-Pb CA-TIMS Dating  
Mr. Neil Griffis |
| 09:30 | 2500    | Linked Shifts in Glacial-Interglacial CO2, Climate and Terrestrial Carbon Cycling During Earth’s Last Icehouse  
Dr. Isabel Montanez |
| 09:45 | 3727    | The evidence of the Late Paleozoic Glaciation in South China  
Dr. Xiangdong Wang |

### Tuesday - Session 4  
**T47.4 - Permian global events and correlations**  
**Reg Foyer 1**  
10:30–12:00

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 10:30 | 710     | The terrestrial end-Permian mass extinction in South China  
Dr. Shuzhong Shen (KEYNOTE SPEAKER) |
| 11:00 | 3114    | Permian Conodont Biostratigraphy  
Prof. Charles Henderson |
| 11:15 | 1867    | Permian carbonate ooids from the Baoshan Block, China and other Cimmerian terranes with paleogeographic and paleoclimatic significance  
Dr. Hao Huang |
| 11:30 | 2147    | Transitional carbonate facies from cool- to warm-water settings: A Permian case from the Baoshan Block in western Yunnan, China  
Prof. Xiaochi Jin |
| 11:45 | 1534    | Atlantic- to Andean type basin inversion along the southern margin of Gondwana: U-Pb detrital zircon evidence form the Cape- and lower Karoo Supergroups and correlatives in Argentina and the Falkland Islands.  
Dr. Clarisa Vorster |

### Tuesday - Session 5  
**T47.5 - Permian global events and correlations**  
**Reg Foyer 1**  
14:00–15:30

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<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 14:00 | 1871    | Detrital zircon age population study from rocks of the Karoo Supergroup, Eastern Cape Province of South Africa  
Ms. Laura Bowden |
| 14:15 | 942     | The Permian-Triassic succession in the southern Sydney Basin, southeastern Australia: a unique and complete stratigraphic record of global changes during the Palaeozoic-Mesozoic transition  
Prof. Guang R. Shi |
<table>
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<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 14:30 | # 3740 | Seismites in transgressive Lower Gondwana (Permian) succession, West Bokaro Coalfield, India: tectono-sedimentary and sequence stratigraphic implications  
Dr. Biplab Bhattacharya |
| 14:45 | # 3037 | Impoverished hard substrate biotas in the aftermath of the end-Permian mass extinction: evidence from East Greenland  
Dr. Michael Zaton |
| 15:00 | # 4545 | Collapse and rebuilding of marine ecosystems during the P-Tr transition in Gondwana world  
Prof. Zhong-Qiang Chen (KEYNOTE SPEAKER) |

**Tuesday - Session 6 16:00–17:45**

T47.6 - IGCP 630: Permian and Triassic integrated Stratigraphy and Climatic, Environmental and Biotic Extremes
Reg Foyer 1

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 16:00 | # 3822 | Terrestrial Permian-Triassic Transitional Sequence in North China: Implication for the correlation with the Marine Events in South China  
Dr. Jinnan Tong |
| 16:15 | # 5112 | The Choiyoi silicic large igneous province of Argentina and Chile and its possible linkage to middle Permian climate change and mass extinction  
Dr. David Kimbrough |
| 16:30 | # 2055 | The Capitanian/Wuchiapingian mass extinction and Kamura Event from tropical to Boreal zones (China, South Primorye [Russia], and Spitsbergen)  
Dr. Olga Kossovaya |
| 16:45 | # 3867 | A Refined Magnetic Polarity Stratigraphy and Paleomagnetic Pole for Upper Permian and Lower Triassic Strata Deposited Across the End-Permian Extinction Event; West Texas (USA)  
Prof. John Geissman |
| 17:00 | # 3856 | The Bletterbach section (S-Alps, N-Italy): a unique record of a low-latitude late Permian terrestrial ecosystem  
Dr. Massimo Bernardi |
| 17:15 | # 3645 | Recovery after the end-Permian biotic crisis in the Boreal Sea  
Prof. Kliti Grice |
| 17:30 | # 1690 | Ecologic Restructuring After the Permo-Triassic Extinction: A geochemical and paleoecological case study of the Middle Triassic of low-latitude eastern Panthalassa  
Dr. Margaret Fraiser |

**Tuesday - Session 3 08:00–10:00**

T48.3 - Meteorite Impacts and Meteorite studies
Westin - Sir Francis Drake

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 08:00 | # 4852 | Review of Criteria for the Identification of Impact Structures on Earth  
Prof. Christian Koeberl (KEYNOTE SPEAKER) |
| 08:30 | # 2445 | Shatter cones: Nature and Genesis  
Dr. David Baratoux |
| 08:45 | # 3784 | Systematic characterisation of target and impactite lithologies in the M4 drillcore, Morokweng impact structure, South Africa  
Mrs. Stindile Wela |
| 09:00 | # 2948 | 3D Volume Rendering Technique Reveals a Possible New Impact Structure within the Orange Basin, Offshore South Africa  
Mr. Ahmed Isiaka |
| 09:15 | # 142 | Dynamics of Vredefort: Evidence for late emplacement of granophyre  
Dr. Matthew Huber |
| 09:30 | # 1683 | Effect of a Quaternary Meteorite Impact in Indo-China on the Surface Sedimentary Record  
Prof. Paul Carling |
| 09:45 | # 1602 | Polymetallic and Nitrogen Carbide Debris in Ferruginous Palaeosol from the Libyan Desert Glass Area, SW Egypt: Further Evidence of a Cometary Origin for the Diamond-bearing Hypatia Stone  
Dr. Marco Achille Giacomo Andreoli |

**Tuesday - Session 4 10:30–12:00**

T48.4 - Meteorite Impacts and Meteorite studies
Westin - Sir Francis Drake

<table>
<thead>
<tr>
<th>TIME</th>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| 10:30 | # 3262 | Meteorites from Morocco: an important implication in Meteoritics and Planetary Sciences improvement  
Dr. Hasnaa Chennaoui (KEYNOTE SPEAKER) |
| 11:00 | # 2810 | Melt textures produced by impact events and compositional variations in L6-chondrite (Putinga)  
Mrs. Renata Brandelli Schaan |
| 11:15 | # 2730 | Differentiation of planetesimals and Hf-W model ages of iron meteorites  
Dr. Wladimir Neumann |
| 11:30 | # 5082 | Shock metamorphic features of olivine, orthopyroxene, amphibole, and plagioclase in phlogopite-bearing ultramafic-mafic inclusions in Sublayer, Sudbury Igneous Complex, Sudbury, Canada  
Ms. Yujian Wang / Dr. Carl Michael Lesher |
| 11:45 | # 421 | Raman spectroscopic signature of shock features in chondritic meteorites and its cosmogenic implications  
Dr. Arindam Dutta |
# Tuesday - Posters
**T1.P2 - Geoheritage and Conservation Exhibition**

<table>
<thead>
<tr>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
<tbody>
<tr>
<td># PB01</td>
<td>Management procedure for palaeontological collections of the Museum of Geosciences, Brasilia, Brazil: policies, housing preparation and keeping&lt;br&gt;Mr. Matheus Denezine</td>
</tr>
<tr>
<td># PB02</td>
<td>The Geological Heritage In Tianzhushan Global Geopark, Anhui, China&lt;br&gt;Prof. Weiping Wu</td>
</tr>
<tr>
<td># PB03</td>
<td>Somoto Grand Canyon (Nicaragua) a volcanic geoheritage one decade after the discovery&lt;br&gt;Dr. Vladimir Zacek</td>
</tr>
<tr>
<td># PB04</td>
<td>Microclimatic and biological monitoring of caves as geoheritage sites&lt;br&gt;Dr. Silvia Constantin</td>
</tr>
<tr>
<td># PB05</td>
<td>The Geoheritage of Corsica: a first step towards a regional preservation program&lt;br&gt;Dr. Emilie Garel / Pr. Frederic Huneau</td>
</tr>
<tr>
<td># PB06</td>
<td>UNESCO Chair “Geoparks, Regional Sustainable Development and Healthy Lifestyles”: an innovative tool for capacity building in Geoparks&lt;br&gt;Dr. Artur Sá</td>
</tr>
</tbody>
</table>

# Tuesday - Posters
**T3.P2 - Public Sector Geoscience and Geological Surveys Exhibition**

<table>
<thead>
<tr>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
<tbody>
<tr>
<td># PB07</td>
<td>Methods and results of regional geochemical prospecting of petroliferous deposits&lt;br&gt;Dr. Victor Kilipko</td>
</tr>
<tr>
<td># PB08</td>
<td>Geochemical map of Russia in scale 1:2 500 000&lt;br&gt;Dr. Victor Kilipko</td>
</tr>
</tbody>
</table>

# Tuesday - Posters
**T4.P2 - Climate Change Studies Exhibition**

<table>
<thead>
<tr>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
<tbody>
<tr>
<td># PB09</td>
<td>Long-term trophication evolutions responding to changes in climate and ecosystem in Poyang Lake, China&lt;br&gt;Prof. Ge Yu</td>
</tr>
<tr>
<td># PB10</td>
<td>Palaeopedologic investigations from the intrabasaltic bole beds (palaeosols) occurring in the Bopdev ghat section of the Deccan Traps, south of Pune (India): Implications for palaeoclimates during Deccan volcanism.&lt;br&gt;Dr. Ravindrasing Pardeshi</td>
</tr>
<tr>
<td># PB11</td>
<td>Mineral magnetic studies of the intrabasaltic bole beds from the Deccan Volcanic Province (India): Implications to their palaeoenvironmental conditions.&lt;br&gt;Mr. Irfan Shaikh</td>
</tr>
<tr>
<td># PB12</td>
<td>Middle Pleistocene climate changes in the Central Mediterranean as recorded by soil weathering profiles from the archaeological site of Valle Giumentina (Italy)&lt;br&gt;Dr. Jean-Philippe Degeai</td>
</tr>
<tr>
<td># PB13</td>
<td>Phytolith analysis on the intrabasaltic red boles (palaeosols) and modern soils from the Koynanagar region of Maharashtra (India): Implications for the palaeoclimatic reconstructions.&lt;br&gt;Dr. Mohammed Rafi Sayyed</td>
</tr>
<tr>
<td># PB14</td>
<td>Assemblages and pathways of mineral magnetic and geochemical transformations in Laterites, Palaeosols and Red boles from tropical Indian conditions&lt;br&gt;Dr. Satish Sangode / Dr. V Kumaravel / Dr. Dhananjay Meshram</td>
</tr>
<tr>
<td># PB15</td>
<td>Quantitative analysis of clay mineral assemblages from the intrabasaltic palaeosols (bole beds) occurring in the parts of western Deccan Traps (India): Palaeoenvironmental inferences.&lt;br&gt;Dr. Mohammed Rafi Sayyed</td>
</tr>
<tr>
<td># PB16</td>
<td>Geochemical investigations of Iridium (Ir) and other platinum group elements from the intrabasaltic palaeosols (bole beds), associated basalts and soils from the Deccan Traps of Koynanagar region (India).&lt;br&gt;Dr. Mohammed Rafi Sayyed</td>
</tr>
<tr>
<td># PB17</td>
<td>Pedogenic evidence of high precipitation in red paleosols: Maastrichtian of Bauru Group/Brazil&lt;br&gt;Dr. Francisco Ladeira</td>
</tr>
<tr>
<td># PB18</td>
<td>Miocene to Pleistocene distribution of Calcareous Nannofossils and their paleoceanographic significance in the Equatorial Pacific, western Pacific and Atlantic Oceans&lt;br&gt;Ms. Santi Dwi Pratiwi</td>
</tr>
</tbody>
</table>
# Tuesday - Posters

## T5.P2 - Groundwater and Hydrogeology Exhibition

<table>
<thead>
<tr>
<th>#</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| #PB19  | The importance of scale in studying interactions between surface and hyporheic zone processes  
Dr. Oana Teodora Moldovan |
| #PB20  | Adaptation of RDM for karst groundwater management in Southwest China  
Ms. Lichao Yang |
| #PB21  | Comparison of Atmospheric CO2 Consumption of Carbonate Rock Weathering with Silicate Rock One in the Pearl River Basin, China  
Prof. Zhongcheng Jiang |
| #PB22  | Hydrogeochemistry of Groundwater in a part of Alluvial terrain in Central India  
Prof. Laxmi Prasad Chourasia |
| #PB23  | Groundwater recharge quantification from historical rainfall records and salinity profiling in the RAMSAR listed Verlorenvlei catchment  
Ms. Anya Eilers |
| #PB24  | Geochemical assessment of disposal sludge from water treatment plant (WTP) on soil and underground aquifer, Brazil  
Dr. Rosely Imbernon |
| #PB25  | The development of a sampling protocol for radioactive elements in a fractured rock aquifer of South Africa  
Dr. Gaathier Mahed |
| #PB26  | 3D Numerical Groundwater Flow Modeling in Kohat Sub Basin, Northwest Himalayan Fold & Thrust Belt Pakistan  
Mr. Majid Khan |
| #PB27  | Alarming Nitrate contents in groundwater in semi-arid region in South India: Analyzing for its vulnerability  
Dr. Pagadala Damodaram Sreedevi |
| #PB28  | Groundwater role on the ecological preservation of the Biguglia lagoon (Corsica, France)  
Dr. Emilie Garel / Pr. Frederic Huneau |
| #PB29  | Construction of calibration facilities of slim hole logging system for aquifer characterization  
Dr. Seho Hwang |
| #PB30  | Determination of groundwater sustainable yield using numerical modelling approach  
Dr. Lixiang Lin |
| #PB31  | Geophysical delineation of AMD in the Cradle of Humankind  
Dr. Michael van Schoor |

## Tuesday - Posters

## T6.P2 - Soil Science Exhibition

<table>
<thead>
<tr>
<th>#</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| #PB32  | Geoforensics in Italy: Education and Research Standards  
Dr. Rosa Maria Di Maggio |
| #PB33  | Forensic Geosciences applied to the presence or absence of a corpse  
Dr. Rosa Maria Di Maggio |
| #PB34  | Possibility of describing sand grain morphology by image analysis  
Dr. Ritsuko Sugita |

## Tuesday - Posters

## T7.P2 - Geoscience Data and Information Systems Exhibition

<table>
<thead>
<tr>
<th>#</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| #PB35  | Specialized GIS-technology for identifying ore-bearing objects, areas and expected reserves evaluation  
Dr. Abish Sharapatov |
| #PB36  | Bayesian hierarchical approach combined with geostatistics for temperature modeling using a well-logging dataset  
Mr. Lei Lu |
| #PB37  | Multi-source three-dimension geological complex structural modelling  
Prof. Mao Pan |
| #PB38  | Identification of lithological differences and similarities in the East Anatolian Fault Zone by using the remote sensing methods  
Dr. Önder Gürsoy |
| #PB39  | Application of BEMD in Extraction of Gravity Anomaly Implying Geological Structures and Granites at Different Depths within the Bozhushan-the Laojunshan W-Sn-Ag-Zn-Cu Ore Concentration Area of Southerwestern Yunnan, South China  
Dr. Yongqing Chen |
| #PB40  | Case Study: A Data Warehouse for a National Institute of Geological Environment Monitoring  
Dr. Zhenhua Li |
**Tuesday - Posters**

**T8.P2 - Geohazards Exhibition**

<table>
<thead>
<tr>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| # PB41  | Probabilistic seismic hazard assessment for West Africa and surrounding regions  
Mr. Umar Afeqba Kadiri |
| # PB42  | Seismotectonic and Seismic Hazard Map of Tunisia (North Africa)  
Mr. Abdelkader Soumaya |
| # PB43  | Seismotectonics and Seismic Hazard Map of Tunisia (North Africa)  
Mr. Abdelkader Soumaya |
| # PB44  | Seismicity studies of the Okavango Delta Region and the Environs, Botswana.  
Mr. Bokani Nthaba |
| # PB45  | Evaluation of seismic hazard at the northeastern part of Algeria  
Mr. Hamidatou Mouloud |
| # PB46  | Stress change and fault interaction from a two century-long earthquake sequence in the central Tell Atlas (Algeria)  
Prof. Abdelhakim Ayadi |
| # PB47  | Seismotectonics for Madagascar  
Ms. Rakotondraibe Tsiriandrimanana |
| # PB48  | Geological Disaster by Liquefaction-Fluidization Phenomena on Boso peninsula at The 2011 off the Pacific coast of Tohoku Earthquake, central Japan: Distribution of the phenomena on reclaimed land along northeastern Tokyo bay and horizons of liquefaction-fluidization in Inagekaihin park  
Dr. Osamu Kazaoka |
| # PB49  | Seismic zonation of Hispaniola Island for hazard assessment purposes  
Dr. Monique Terrier |

**Tuesday - Posters**

**T12.P2 - Global Geoscience Professionalism and Geoethics Exhibition**

<table>
<thead>
<tr>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| # PB50  | Geoethical Problems of Developing Mineral Resources of Natural Celestial Bodies  
Dr. Nataliya Nikitina |
| # PB51  | The relationship between the Committee for Mineral Reserves International Reporting Standards (CRIRSCO) and the United Nations Framework Classification (UNFC 2009)  
Mr. Roger Dixon |
| # PB52  | Legal, social, scientific and ethical responsibility of geoscientists  
Dr. Niichi Nishiwaki |
| # PB53  | The IUGS Task Group on Global Geoscience Professionalism – the forum of exchange on professionalism and ethics for all of the world’s geoscience communities.  
Mr. Oliver Bonham |
| # PB54  | The Young Scientist Club of the International Association for Promoting Geoethics – Promoting geoethics among the young geoscientists community  
Ms. Ndihuwo Cecilia Mukosi |
| # PB55  | Culture Impact On The Term Geoethics In Egypt  
Dr. Kholoud Abdel Maksoud |
| # PB56  | International Association for Promoting Geoethics (IAPG): from Brisbane to beyond Cape Town  
Dr. Giuseppe Di Capua |
| # PB57  | Developing an ethical framework for Environmental and Earth System Research Infrastructures: the experience in the ENVRIplus project  
Dr. Silvia Peppoloni |
| # PB58  | Promoting Geothics in Peru: the activities of the IAPG Peruvian Section  
Dr. Giuseppe Di Capua |
| # PB59  | The woman in the artisanal mine: From crusher craft to motorized grinder. The case of Matili-Shabunda mining site, South Kivu, Dr. Congo  
Jr. Thierry Munga |
| # PB60  | Geosciences and Multiple Facets of Geoethics  
Dr. Devesh Walia |

**Tuesday - Posters**

**T14.P2 - Environmental Geosciences Exhibition**

<table>
<thead>
<tr>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| # PB61  | Hydrogeochemical assessment of groundwater quality in the Soutpansberg Basin around Tshikondeni, Limpopo Province, South Africa  
Dr. Ntokozo Malaza |
| # PB62  | The Use of Software for Valuation of the Glacial and Periglacial Environment of the Chaschuil Valley, Fiambalá, Argentina, Using Satellites Images  
Ing. Agrimensor Marcelo Ernesto Savio |
<table>
<thead>
<tr>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
<tbody>
<tr>
<td># PB63</td>
<td>The monitoring of land subsidence and groundwater level in the southeast Kanto groundwater basin, Japan Mr. Atsushi Kagawa</td>
</tr>
<tr>
<td># PB64</td>
<td>Environmental Monitoring of Mines in Namibia by the Geological Survey of Namibia, Division of Engineering and Environmental Geology Ms. Michelle Hijamutiti</td>
</tr>
<tr>
<td># PB65</td>
<td>A multi-faceted approach to mine water source determination in South Africa. A review Mr. Yazeed Van Wyk</td>
</tr>
<tr>
<td># PB66</td>
<td>Laboratory scale testing of the passive systems to treat AMD from abandoned coal mines, Witbank, Mpumalanga province Ms. Mpule Gloria Dube</td>
</tr>
<tr>
<td># PB67</td>
<td>The factors controlling formation and intensity of Acid Mine Drainage in the area of Polish part of Muskau Arch Dr. Krzysztof Labus</td>
</tr>
<tr>
<td># PB68</td>
<td>Copper and lead isotopic and metallic pollution record in soils from the Kombat mining area, Namibia Dr. Martin Mihaljevic</td>
</tr>
<tr>
<td># PB69</td>
<td>U and Th source term characterisation in selected gold tailings of the Witwatersrand (South Africa): A geochemical modelling and reaction network approach Dr. Robert Hansen</td>
</tr>
<tr>
<td># PB70</td>
<td>Environmental stability of the processing waste from sulfide mining districts of Namibia Prof. Ales Vanek</td>
</tr>
<tr>
<td># PB71</td>
<td>Geochemical Assessment of soil, sediments and water within and around Artisanal mine sites in Southwestern Nigeria. Dr. Mary Odukoya</td>
</tr>
<tr>
<td># PB72</td>
<td>The heavy minerals in the Kafue River sediments, the Copperbelt Mining District, Zambia: Indicators of industrial contamination Dr. Bohdan Kribek</td>
</tr>
<tr>
<td># PB73</td>
<td>Characterization of surface and trapped dust samples around some ownerless and abandoned asbestos mine dumps in Limpopo province, South Africa Ms. Maphuti Georgina Kwata</td>
</tr>
<tr>
<td># PB74</td>
<td>Investigation of Uranium Migration on Gold Tailings Dams Using Natural Gamma Spectrometry Mr. Jaco Koch</td>
</tr>
<tr>
<td># PB75</td>
<td>Classification and assessment of abandoned mining waste facilities of the Czech Republic Mr. Vit Štrupl</td>
</tr>
<tr>
<td># PB76</td>
<td>Mineralogy and weathering of particulates from mines and smelters in soils from humid subtropical and semiarid areas Dr. Vojtech Ettler</td>
</tr>
</tbody>
</table>

**Tuesday - Posters**

**T15.P2 - Engineering Geology and Geomechanics**

Exhibition 17:45–19:00

<table>
<thead>
<tr>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
<tbody>
<tr>
<td># PB77</td>
<td>Mineralogical composition, weathering products and sinkhole formation of two different karst units in South Africa Mrs. Tharina Oosthuizen</td>
</tr>
<tr>
<td># PB78</td>
<td>3D reconstructions of gneiss quarries through long-range laser scanning for a quantitative volume estimation of dimension stones Prof. Silvio Seno</td>
</tr>
<tr>
<td># PB79</td>
<td>Engineering geological and geotechnical mapping undertaken by Council for Geoscience for regional land-use planning in South Africa Mr. Njabulo Nxumalo</td>
</tr>
<tr>
<td># PB80</td>
<td>Anisotropic parameter using core plugs and full-wave sonic logs Dr. Seonghyung Jang</td>
</tr>
<tr>
<td># PB81</td>
<td>Geotechnical Investigations into the cracks in Buildings: A case study Ms. Portia Tshepiso Letlole</td>
</tr>
<tr>
<td># PB82</td>
<td>An engineering geological investigation for the expansion of Maputo Port, Mozambique. Mr. Paul Aucamp</td>
</tr>
<tr>
<td># PB83</td>
<td>Corrosion attack mechanisms of acid mine drainage on concrete Ms. Nomvelo Mkhize</td>
</tr>
<tr>
<td># PB84</td>
<td>Assessment of Natural Stones and their Deterioration Types used in Blue Mosque (Istanbul, Turkey) Dr. Murat Yilmaz</td>
</tr>
<tr>
<td># PB85</td>
<td>Analyses of a rock fall release area and associated deposits in the Swiss Alps using photogrammetric data obtained by an Unmanned Aerial Vehicle Dr. Martin Ziegler</td>
</tr>
<tr>
<td># PB86</td>
<td>5th European Railway Corridor Crosses Classical Karst, Slovenia Dr. Martin Knez</td>
</tr>
<tr>
<td># PB87</td>
<td>Art museums. A perfect context for outreach activities on stones Dr. Lola Pereira</td>
</tr>
</tbody>
</table>
Tuesday - Posters  
**T17.P2 - Mineral Exploration Exhibition**  
17:45–19:00

<table>
<thead>
<tr>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| # PB88  | Structure and emplacement of the granite pluton of Tiébélé, Southern Burkina Faso (West Africa) and its implication in base metals (Zn-Pb-Cu) and gold (Au) anomalies distribution  
*Dr. Hermann Ilboudo* |
| # PB89  | Origin of two types of nelsonite in the Damiao anorthosite complex, North China Craton  
*Mr. Lixing Li* |
| # PB90  | New precise timing constraints for Keketuohai pegmatite No.3 vein, Altaiad Orogen, Northwest China  
*Dr. Feng Liu* |
| # PB91  | Genesis of the stratiform Pb-Zn ore bodies in Qingchengzi in the North China Craton: Rb-Sr and C-O-S-Pb isotope constraints  
*Dr. Yubo Ma* |
| # PB92  | Granites in the Khentei Batholith, Northern Mongolia, and related mineralization  
*Mr. Jingwen Mao* |

Tuesday - Posters  
**T18.P2 - Mineral Deposits and Ore Forming Processes Exhibition**  
17:45–19:00

<table>
<thead>
<tr>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| # PB93  | Mineralogy of the pegmatoidal Pseudo reef in the western Bushveld Complex, South Africa.  
*Mr. Emil Burger* |
| # PB94  | Platinum group elements in south Longzhou Mountains, Sichuan, SW China  
*Dr. Marian Munteanu* |
| # PB95  | Mineralogical characterization of Ni-Cu-PGE-bearing mafic dikes of the Lusatian Block (Germany/Czech Republic)  
*Prof. Thomas Seifert* |
| # PB96  | Nano-entity formation prior to the crystallisation of platinum-group minerals: fundamental control by electron cloud interaction?  
*Prof. Marian Tredoux* |
| # PB97  | Recognition of similarities between the Critical Zone and deep Platreef (Bushveld Complex)  
*Dr. Marina Yudovskaya* |
| # PB98  | Characterization of Platinum Group Element distribution in Sulphide Ores within the Merensky Reef at Modikwa and Two Rivers Platinum Mines, Eastern Bushveld Complex South Africa.  
*Ms. Nosibulelo Zilibokwe* |
| # PB99  | Petrological and Mineralogical Characteristics Discussion of Diamond-bearing Mother Rock in Zhenyuan Area, Guizhou  
*Mr. Yuan Cheng Huang* |
| # PB100 | Structural and geomorphological criteria for localizing hidden deposits of rare-metal weathering crusts of diamond and kimberlite pipes  
*Dr. Alexander Kremenetskiy* |
| # PB101 | The Discovery a Paleo-oil Reservoir and Study on Relationship between Ore Forming and Hydrocarbon Accumulation in Qinglong Antimony Deposit, Guizhou China  
*Dr. yuzhao Hu* |
| # PB102 | Rhenium bearing sands of Moscow lignite basin  
*Dr. Alexander Kremenetskiy* |
| # PB103 | New unconventional type of zircon mineralization  
*Dr. Elena N. Levchenko* |
| # PB104 | General patterns in the distribution of gold and diamonds deposits, oil and gas fields, and accumulations of other minerals  
*Dr. Alexander Likhachev* |
| # PB105 | A new occurrence of cassiterite as “wood tin” in Saxony, Germany  
*M.Sc. Tobias Petermann* |
| # PB106 | Post collision magmatism and metallogeny at the southern part of the Balkan Peninsula, SE-Europe  
*Prof. Todor Serafimovski* |
| # PB107 | To the problem of rhenium extraction in the areas of modern volcanism  
*Dr. Igor Spiridonov* |
| # PB108 | Characterising potential gem quality garnet and tourmaline pegmatite veins, Giyani Greenstone Belt, South Africa  
*Mr. Nicolaas Steenkamp* |
| # PB109 | Petrogenesis and Geochemical Characteristics of Nangarhar Talc Deposits, Afghanistan  
*Mr. Muhammad Tahir* |
| # PB110 | Geology and Alteration Controls of Cu-Au Porphyry Style Mineralization of the Ryabinovoe Ore Field (Central Aldan, South Yakutia)  
*Nadezhda Shatova* |
<table>
<thead>
<tr>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| #PB111  | Mineralization Features of the Kencana Au-Ag-Te Epithermal Deposit, Gosowong Goldfield, Halmahera, Indonesia  
Dr. Thomas Tindell |
| #PB112  | Quebrada de la Mina, a new porphyry Au deposit (31º 29’ S, 70º 32’ W) in the Andean Main Cordillera of San Juan, Argentina: a petrogenetic analysis  
Dr. David Lentz |
| #PB113  | The Parasitic Zircon of Mafic Dikes in the Xidaming Mountain of Guangxi Province of China and its Significance  
Changhao Xiao |
| #PB114  | Cu mineralisation in the Neoproterozoic glacial Mwale Formation (Tenke Fungurume Mining District; Democratic Republic of Congo)  
Ms. Pascal Matanda Mambwe / Dr. Jacques Mwandolo Batumike |

Tuesday - Posters  
T19.P2 - Coal  
Exhibition  
17:45–19:00

<table>
<thead>
<tr>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| #PB115  | Coal geology and quality of the Springbok Flats Basin, South Africa  
Ms. Valerie Nxumalo |
| #PB116  | Significant Enrichment of Ga, Rb, Cs, REEs and Y in the Jurassic No. 6 coal in the Iqe Coalfield, northern Qaidam Basin, China  
Dr. Cunliang Zhao / Dr. Yuzhuang Sun |
| #PB117  | The Mucanha Vuzi coal deposit, Mozambique  
Mr. Fabio Masotti |
| #PB118  | The CoalBed Methane Resource Potential of the Soutpansberg Basin, South Africa  
Ms. Tshifiwa Thovhogi / Mr. Xavier Schalkwyk |
| #PB119  | Organo-petrographic studies for hydrocarbon generation, storage and depositional environment of coal and shale in Barjora area, West Bengal, India  
Mr. Sanki Biswas / Ms Divya Mishra |
| #PB120  | Depositional environment and their bearing on some coal bed parameters  
Mr. Bamidele Oresajo |
| #PB121  | Evaluation of automated lithology classification architectures using highly-sampled wireline logs for coal exploration  
Mr. Tom Horrocks |
| #PB122  | Mobilization of metals and metalloids during and after burning of anuraniferous coal heap (the Bečkov coal mine, Czech Republic)  
Dr. Bohdan Kríbek |
| #PB123  | The relationships between trace elements and organic matter in coals  
Dr. Shenjun Qin |
| #PB124  | preliminary study on the acid-remove rate for trace element from the different rank of coal  
Prof. Jianye Yang |
| #PB125  | The effects of weathering on coal quality in the Limpopo and Soutpansberg Coalfields.  
Ms. Mandy-Jane Tlou Sebola |

Tuesday - Posters  
T20.P2 - Petroleum Systems and Exploration  
Exhibition  
17:45–19:00

<table>
<thead>
<tr>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| #PB126  | Analyses on Formation Conditions of Paleogene Stratigraphic-lithologic Reservoirs in Large Slope Area in Qikou Sag, Bohai Bay Basin  
Mr. Wenzhong Han |
| #PB127  | Characteristics of Carbon and Oxygen Isotopes in Carbonate in Lucaogou Formation and Its Significance on Palaeolake in Jimsar Sag  
Mr. Changsheng Qu |
| #PB128  | Characterization of Compact Carbonate Pore-Throat Network Systems using NMR. and Nano-CT Techniques: Case Study from Xagou Formation (K1g) in Qingxi Sag, Jiuquan Basin, China  
Mr. Yan Zhao |
| #PB129  | Well log sequences stratigraphy and potential reservoirs of wells KF-1and KF-2; Kribi oil field, Douala-Kribi-Campo Basin, Cameroon.  
Mr. Nkwanyang Lionel Takem |
| #PB130  | A regional north- south cross section through the Ghadames Basin and its implications to HC potential in the Ghadames Basin and the northern areas around Jabal Nafusah, Libya  
Mr. Salah S. El-Ekhffji |
| #PB131  | Geochemical signature of the Late Devonian events in the Rhenish Massif, the Holy Cross Mountains and the Carnic Alps  
Dr. Agnieszka Pisarzowska |
| #PB132  | The study of thermal effect on turbidites of Taciba Formation (Permian), south of Paraná Basin, Brazil, using X-ray microtomography and palynofacies  
Mr. Lucas Vieira |
Tuesday 30 August

# PB133 Characteristics of Hydrocarbon Migration in the Slope of Superimposed Foreland Basin of South Junggar, NW China
Prof. Luofu Liu

# PB134 History and present day of crude oil and natural gas production in Poland
Prof. Stanislaw Wolkowicz

# PB135 Identification and Localization of Oil and Gas Perspective Zones and Large Objects Based on Regional Volumetric Modeling
Dr. Mikhail Afanasyev

# PB136 Origin of oil and gas and profitable exploration areas in the Platform of Tarim Basin, NW China
Prof. Zhi Jun Jin

# PB137 Palaeo-tufa from Liuhuanggou No 2 cave in the Ordovician carbonate, North Tarim basin, China: features and petroleum significances
Prof. Jianhua Zhong

# PB138 Silicification of Ordovician dolomite reservoirs, Tarim Basin, NW China
Mr. Shaonan Zhang

# PB139 The hydrocarbon trap distributional patterns of the simple slope area of a continental basin: a case study from the Songliao basin, China
Prof. Hongyu Wang

# PB140 The Jurassic strata in the Polish Lowlands (central Poland) - future of unconventional sources?
Dr. Pawel Kosakowski

# PB141 The three-dimensional description for fracture-cavity carbonate reservoirs in Tahe Oilfield, Tarim Basin
Mr. Changcheng Han

# PB142 Unlocking new petroleum system based on outcrops, petrographic description and measure section in north Serayu Frontier basin
Mr. Muhammad Nashir

Tuesday - Posters
T25.P2 - Critical metals - a global perspective

PAPER # PAPER TITLE & AUTHOR

# PB143 The Monapo Alkaline-Carbonatite Complex, Mozambique
Mr. Fabio Masotti

# PB144 The M’Fema and SM Carbonatites, Mozambique
Mr. Fabio Masotti

# PB145 The distribution characteristics of rare metal elements (RME) in surface sediments from four coastal bays on the northwestern South China Sea
Ms. Shuhong Wang

# PB146 Ge distribution in supergene willemite (Zn2SiO4): new insights from the Bou Arhous deposit (Morocco)
Dr. Flavien Choulet

# PB147 Solubility of monazite and cheralite in highly fluxed peralkaline to peraluminous pegmatitic melts
Dr. Aurelien Eglinger

# PB148 EU Critical Raw Materials in the Czech Republic - Competence Centre for Effective and Ecological Mining of Mineral Resources (CEEMIR)
Dr. Petr Rambousek

# PB149 Regularity of formation and criteria of forecasting rare metal deposits in East Kazakhstan
Prof. Boris Dyachkov

# PB150 Rare-element pegmatites of the Keivy-Kolmozero zone, NE Baltic shield: classification, age distribution, sources
Dr. Nikolay Kudryashov

# PB151 Massive Pollucite ((Cs,Na)2Al2Si4O12 x H2O) – Processes of extreme Caesium Enrichment within LCT Pegmatites
Prof. Thomas Seifert

# PB152 The tailings pond of Cinovec deposit (Czech Republic) as non-traditional source of lithium
Mr. Jiri Malis

Tuesday - Posters
T28.P2 - Sedimentary Processes - ancient to modern

PAPER # PAPER TITLE & AUTHOR

# PB153 Identification of foraminifera and research on sedimentary microfacies in Well ZK17503 in southern Sichuan
Mr. Yunzhao Zhang

# PB154 Non-contemporary, Normal Seawater for the formation of crystalline dolomite in the Lower Triassic Feixianguan Fm Reservoirs, NE Sichuan Basin, China
Dr. Yijiang Zhong / Dr. Keke Huang

# PB155 Saddle dolomite cement in Upper Paleozoic clastic reservoir rocks from Ordos Basin and the effect on reservoir properties
Dr. Yijiang Zhong / Prof. Sijing Huang
<table>
<thead>
<tr>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| PB156   | Reservoir architecture of estuarine tidal bar deposits in the McMurray Formation, Alberta, Canada  
*Dr. Jixin Huang* |
| PB157   | Modern and ancient lagoons of the Namibian coast: sedimentation processes and environmental changes  
*Ms. Irka Schäuffer* |
| PB158   | Wavelet analysis of Paleoproterozoic tidal sediments distributed in the Singhbhum Craton, northeast India: Estimation of early Earth’s (2 Ga) rotation velocity  
*Mr. Hiroyuki Miyata* |
| PB159   | Two contrasting beaches on macrotidal coasts: Byunsan and Gosapo beaches, west of Korea  
*Seok Hwi Hong* |
| PB160   | Morphologic response of the Jangan linear tidal sand ridge to anthropogenic impacts over four decades, west coast of Korea  
*Dr. Tae Soo Chang* |
| PB161   | Sedimentology and depositional evolution of Juin 4 Block in Orinoco heavy oil belt, Venezuela  
*Dr. WenSong Huang* |
| PB162   | Tidal Rhythmites as High-Resolution Chronometers for Basin Analysis  
*Dr. Kenneth Eriksson* |

**Tuesday - Posters T29.P2 - Basin Formation and Continental Margins**  
Exhibition  
17:45–19:00

<table>
<thead>
<tr>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| PB163   | The Permo-Triassic sedimentological record in the Pai-Khoi area, Arctic Russia: a framework for a better understanding of the evolution and timing of deformation in the Pai-Khoi fold-and-thrust belt  
*Dr. Gloria Heilbronn* |
| PB164   | The tectono-stratigraphic evolution of the Cádiz Basin (Gulf of Cádiz, Spain) in the Neogene and Quaternary: Its theoretical implications on hydrocarbon prospectivity  
*Dr. F. Javier Hernández-Molina* |
| PB165   | Soft sedimentary deformation structures from the Kaladgi Basin, Dharwar craton, India: Reflections on tectonic evolution of a Proterozoic cratonic basin.  
*Dr. Vivek Kale* |
| PB166   | Accommodation of Penetrative Strain during Deformation above a Ductile Decollement  
*Ms. Bailey Lathrop* |

**Tuesday - Posters T34.P2 - Geochronology**  
Exhibition  
17:45–19:00

<table>
<thead>
<tr>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| PB167   | Geochronology of the Palaeoproterozoic Magondi Belt (Zimbabwe), and the Choma-Kalomo Block (Zambia), with regional implications.  
*Ms. Sarah Glynn* |
| PB168   | Using Isotopic Techniques to Constrain the Tectonic Evolution of the Basement of Oman  
*Ms. Morgan Blades* |
| PB169   | The Age and Geochemical Evolution of the Western Ethiopian Shield; It’s Role in Gondwana Formation  
*Ms. Morgan Blades* |
| PB170   | U-Pb chronology and geochemistry of detrital monazites from major African rivers  
*Mr. Keita Itano* |
| PB171   | Resolving the evolution of long-lived orogens through laser-split stream ICP-MS of detrital accessory minerals preserved in successor basins.  
*Mrs. Sonia Armandola* |
| PB172   | Multi-dating approaches applied to the Proterozoic Mbuji-Mayi Supergroup (D.R. Congo) to constrain the diversification of early eukaryotes in Central Africa  
*Dr. Camille Francois* |
| PB173   | A multipronged approach to constraining the timing of the Molopo Farms Complex emplacement  
*Ms. Livhuwani Ravhura* |
| PB174   | Structural control of hydrothermal alteration of BIF and formation of goethite-dominant mineralisation in the northern Mauritianide Belt  
*Dr. Bert De Waeye* |
| PB175   | Ordovician dioritic magmatism of the Donken area, far SE Laos: Implications for Gondwana evolution in SE Asia  
*Mr. Chad Gardner* |
| PB176   | Constraining the Timing of Sedimentary In-Fills at the Vaalputs Radioactive Waste Disposal Facility  
*Dr. Mary Evans* |
### Tuesday - Posters

**T35.P2 - Isotope Geoscience**

**Exhibition** 17:45–19:00

<table>
<thead>
<tr>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
<tbody>
<tr>
<td># PB177</td>
<td>Clumped Isotope Compositions of Marbles from the Backbone Range of Taiwan  &lt;br/&gt;<strong>Dr. Tzen-Fu Yui</strong></td>
</tr>
<tr>
<td># PB178</td>
<td>Constraining fluid mixing processes at the Irish-type Lisheen Zn-Pb orebody: preliminary evidence from clumped C-O isotopes  &lt;br/&gt;<strong>Dr. Steve Hollis</strong></td>
</tr>
<tr>
<td># PB179</td>
<td>New insight into the tectonic framework of the Vanuatu island arc from the distribution of helium isotopes in volcanic gases and thermal waters  &lt;br/&gt;<strong>Dr. Philippe Jean-Baptiste</strong></td>
</tr>
<tr>
<td># PB180</td>
<td>Tracking a detrital zircon provenance – Pb-Pb and oxygen isotopic integrated record from Late Paleoproterozoic metasediments on Fennoscandia-Sarmatia junction zone  &lt;br/&gt;<strong>Prof Janina Wiszniewska</strong></td>
</tr>
<tr>
<td># PB181</td>
<td>Origin of low $\delta^{18}$O values in the Cretaceous Koegel Fontein Complex: Evidence for pre-existing 18O-depletion in the country rock.  &lt;br/&gt;<strong>Mr. Benjamin Whitehead</strong></td>
</tr>
<tr>
<td># PB182</td>
<td>Cadmium isotope fractionation of materials originating from different industrial processes  &lt;br/&gt;<strong>Mr. Jan Čuřík</strong></td>
</tr>
<tr>
<td># PB183</td>
<td>In situ laser microprobe technique for carbon and oxygen isotope analysis of carbonate  &lt;br/&gt;<strong>Dr. Changfu Fan / Dr. Yanhe Li</strong></td>
</tr>
<tr>
<td># PB184</td>
<td>Pore fluid evolution, distribution and water-rock interactions of carbonate cements in red-bed sandstone reservoirs in the Dongying Depression, China  &lt;br/&gt;<strong>Dr. Jian Wang</strong></td>
</tr>
<tr>
<td># PB185</td>
<td>U-Pb geochronology and Nd isotope contributions to the interpretation of a peculiar ring massif: the Santa Eulália plutonic complex (SW Iberia, Portugal)  &lt;br/&gt;<strong>Prof. Luis Lopes</strong></td>
</tr>
<tr>
<td># PB186</td>
<td>Preliminary study of oxygen isotopes in tourmaline, quartz and muscovite from three granitic pegmatites of the Borborema Pegmatite Province, northeastern Brazil  &lt;br/&gt;<strong>Dr. Alcides Sial</strong></td>
</tr>
<tr>
<td># PB187</td>
<td>Combined analysis of Uranium series nuclides and in situ $^{10}$Be in a weathering profile located in the Strengbach catchment (Vosges massif, France)  &lt;br/&gt;<strong>Dr. Philippe Negrel</strong></td>
</tr>
</tbody>
</table>

### Tuesday - Posters

**T36.P2 - Magmatism - Settings, Compositions and Processes**

**Exhibition** 17:45–19:00

<table>
<thead>
<tr>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
<tbody>
<tr>
<td># PB188</td>
<td>Petrology And Geochemistry Of Acid Volcanics In Cumbum Formation, Of Nallamalai Fold Belt, Rajampet Area, Andhra Pradesh, India  &lt;br/&gt;<strong>Ms. Munmun Chakraborty</strong></td>
</tr>
<tr>
<td># PB189</td>
<td>Emplacement Mechanism of Yuechengling Granitic Batholith of NE Guangxi, China  &lt;br/&gt;<strong>Dr. zuohai feng</strong></td>
</tr>
<tr>
<td># PB190</td>
<td>Isotopic heterogeneity in granites: melting or mixing?  &lt;br/&gt;<strong>Prof. Janet Hergt</strong></td>
</tr>
<tr>
<td># PB191</td>
<td>Three stages to form a large batholith during terrane accretion – an example from the Central Finland granitoid complex, Svecofennian orogen, Northern Europe  &lt;br/&gt;<strong>Dr. Annakaisa Korja</strong></td>
</tr>
<tr>
<td># PB192</td>
<td>Crustal evolution in Central and Eastern Africa, with Special References to the Granitoids associated with the Paleoproterozoic Ubendian belt: SE D.R. Congo, SW Tanzania and NE Zambia.  &lt;br/&gt;<strong>Dr. Francois Toto Lubala</strong></td>
</tr>
<tr>
<td># PB193</td>
<td>Petrology of Paleocene Kouyaku granites in Shiga and Fukui prefectures, central Japan  &lt;br/&gt;<strong>Mr. Kazuhiko Sawada</strong></td>
</tr>
<tr>
<td># PB194</td>
<td>Magmatic evolution of the Rödö rapakivi complex (Sweden); the importance of REE-fluorocarbonates  &lt;br/&gt;<strong>Dr. Ulf B. Andersson</strong></td>
</tr>
<tr>
<td># PB195</td>
<td>Genesis and magmatic emplacement model of the Himalayan intrusions from Baoxingchang area, Western Yunnan  &lt;br/&gt;<strong>Ms. Yan Dao</strong></td>
</tr>
<tr>
<td># PB196</td>
<td>Classification, mineralogical and geochemical variations in pegmatites of the Cape Cross –Ui pegmatite belt, Namibia.  &lt;br/&gt;<strong>Mr. Warrick Fuchsloch</strong></td>
</tr>
<tr>
<td># PB197</td>
<td>Mafic and felsic plutonism in the Elvas region (SW Iberia, Portugal): two distinct Nd isotope sources and geodynamics  &lt;br/&gt;<strong>Prof. Luis Lopes</strong></td>
</tr>
</tbody>
</table>
Tuesday 30 August

# PB198  Geochronological Framework and Tectonic Background of Granites in Southern Margin (Anhui area) of the North China Block  
Prof. Weiping Wu

# PB199  Emplacement mechanism of the Middle-Late Jurassic Qitianling pluton and its implications on the Mesozoic tectonics of the South China Block  
Prof. Yan Chen

# PB200  The Late Jurassic syntectonic Hengshan Granitic Massif (Hunan, SE China) and its signification of an early extensional event of the South China Block during the Late Mesozoic  
Prof. Yan Chen

# PB201  Geochemistry and petrogenesis of the Late Jurassic granitoids from Xuru Tso area, western Lhasa Terrane, Tibetan Plateau  
Ms. Yan Jingjing

# PB202  The post-tectonic granites of the Gavião Block: the example of Salininha Monzogranite, Bahia, Brazil.  
Mr. Rafael Gordinha-Barbosa

# PB203  Early-Jurassic tonalite- monzogranite association from the southern part of the Zhaniguangci Range: implications for the Paleo-Pacific plate subduction along the NE China  
Dr. Jiangfeng Qin

# PB204  Geochronological, geochemical and Sr-Nd–Hf isotopic constraints on the petrogenesis of Cretaceous monzonitic plutons in Zhejiang Province, Southeast China  
Dr. Jian-Sheng Qiu

# PB205  Petrography, geochemistry, and radiometric dating U-Pb SHRIMP II of the tonalite complexes of the Lok-Karabakh, Lesser Caucasus (Azerbaijan)  
Dr. Artem Terekhov

# PB206  Fractional crystallization and magma mixing in the calc-alkaline Karadağ Granite (Balya-Balikesir-Turkey)  
Dr. Sabah Yılmaz Şahin

# PB207  Two generations of gabbro in the Buem structural unit, southeastern Ghana. Constrains from petrography and geochemistry  
Mr. Daniel Kwayisi

# PB208  Geochronology and geochemistry of Mesozoic volcanic rocks in Western Liaoning, NE China  
Dr. Bo Lin

# PB209  Geochemical characteristics of Late Cretaceous to Pliocene arc magmatism in the Central Chilean Andes (~35°S) and its records of the evolving geodynamic frame  
Dr. Marcia Muñoz

# PB210  Late Cretaceous Arc Volcanism in the Central Chilean Andes (~35°S): Characteristics and Tectonic Implications  
Dr. Marcia Muñoz

# PB211  Reexamination of the radiometric ages of the Miocene forearc magmatism SW Japan  
Dr. Hironao Shinjo

# PB211A  Evidence of heterogeneous crustal origin for the Pan-African Mbengwi plutonics (northwestern Cameroon, central Africa)  
Prof. Emmanuel Njonfang

# PB211B  Occurrence of Rapakivi Granite around Tarai, Kano state, Northwestern Nigeria: A Preliminary Report  
Mr. Abdulgafar Amuda

# PB211C  Petrology of the two contrasting Cretaceous granitoid plutons, west to Lake Biwa, southwest Japan  
Dr. Masaru Tago / Dr. Mamoru Murata

# PB211D  Signatures of Neoarchean island arc tholeiites from the central-western part of Nellore Schist belt, Pamuru-Udayagiri area, Andhra Pradesh, India  
Ms. Munmun Chakraborty

Tuesday - Posters  
T37.P2 - Mineralogy  
Exhibition

17:45–19:00

PAPER #  PAPER TITLE & AUTHOR

# PB212  Automated mineralogy analysis as a first approach to recognize olivine-hosted melt inclusions in lavas from the Central Volcanic Zone (CVZ), Chile  
Dr.(c) Osvaldo González-Maurel

# PB213  Fluid Inclusion studies of high grade granulite terrain of Sivasamudram - Satnur area, Southern Karnataka, India  
Dr. Girish Kumar Mayachar

# PB214  Thermobaric characteristics of fluid inclusions in subsalt sediments of east part of Precaspian basin  
Dr. Talgat Yensepbayev

# PB215  Viridine, Piemontite and Epidote Group Minerals from Thassos Island, Northern Greece  
Dr. Ian Graham

# PB216  Origin and genesis of alluvial sapphires from the Orosmayo region, Sierra de Rinconada, Jujuy Province, northwest Argentina  
Mr. Stephen Harris

# PB217  Taranakite in few fossil bat-guano deposits from caves in Southern Romania  
Dr. Delia-Georgeta Dumitras / Dr. Stefan Marincea
<table>
<thead>
<tr>
<th>Tuesday 30 August</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>T38.P2 - Metamorphic Processes</strong></td>
</tr>
<tr>
<td><strong>Exhibition</strong></td>
</tr>
<tr>
<td><strong>PAPER #</strong></td>
</tr>
<tr>
<td>PB218</td>
</tr>
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<td>PB219</td>
</tr>
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<td>PB220</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Tuesday - Posters</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>T38.P2 - Metamorphic Processes</strong></td>
</tr>
<tr>
<td><strong>Exhibition</strong></td>
</tr>
<tr>
<td><strong>PAPER #</strong></td>
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<td>PB221</td>
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<td>PB228</td>
</tr>
<tr>
<td>PB229</td>
</tr>
<tr>
<td>PB230</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Tuesday - Posters</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>T40.P2 - Marine Geosciences and Oceanography</strong></td>
</tr>
<tr>
<td><strong>Exhibition</strong></td>
</tr>
<tr>
<td><strong>PAPER #</strong></td>
</tr>
<tr>
<td>PB231</td>
</tr>
<tr>
<td>PB232</td>
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<td>PB236</td>
</tr>
<tr>
<td>PB237</td>
</tr>
<tr>
<td>PB238</td>
</tr>
</tbody>
</table>
### Tuesday - Posters

**T44.P2 - Palaeontology and Palaeo-anthropology**

<table>
<thead>
<tr>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| # PB239 | A fossil biota indicates the presence of warm and wet lowlands in central Tibet during the late Oligocene  
Dr. Feixiang Wu |
| # PB240 | Why is sexual size dimorphism restricted to a single lineage of post-Triassic nautiloids?  
Dr. Kalyan Halder |
| # PB241 | The paradox of “clam shrimp” paleoecology  
Dr. Paul Olsen |
| # PB242 | Ordovician acritarch studies in China  
Dr. Kui Yan |
| # PB243 | Spina bifida in an Early Triassic tetrapod from South Africa  
Dr. Jörg Fröbisch |
| # PB244 | Geochemical evidences for photic zone euxinia during the end - Ordovician mass extinction event from the black shales of Poland  
Mrs. Justyna Smolarek |
| # PB245 | Caddisfly-dominated microbial-carbonate bioherms from the Early Cretaceous Yixian Formation, Western Liaoning China  
Mr. Enpu Gong / Mr. Jiang Xu |
| # PB246 | The Hirnantia fauna and the stratigraphic assessment of the uppermost Ordovician in the central Anti-Atlas (Morocco)  
Dr. Enrique Villas |
| # PB247 | Exploring for Vertebrate Fossils in the Riversleigh Area of Queensland using Field-Portable XRF  
Prof. David Cohen |
| # PB248 | Evaluating Uranium as a Tool to Infer Cryogenian Marine Oxygenation  
Ms. Claire Miles |
| # PB249 | Conchostracans of the Middle-Late Jurassic Daohugou and Linglongta beds in NE China  
Mr. Huanyu Liao / Dr. Diying Huang / Mr. Yanbin Shen |

**Tuesday - Posters**

**T45.P2 - Instrumental, experimental and laboratory-based developments in the Geosciences**

<table>
<thead>
<tr>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| # PB250 | Genetic implications of Gold grain morphology in Witwatersrand carbon seam facies: New insights from non destructive 3D X-ray tomography  
Dr. Anton Du Plessis |
| # PB251 | Synergy of Laser-Induced Breakdown Spectroscopy and micro-Computed Tomography for volume distribution of Pt in minerals  
Dr. Tomas Zikmund |
| # PB252 | An application of UAV for coastal mapping, east coast of Korea  
Dr. Baeck Oon Kim |

### Tuesday - Posters

**T47.P2 - Palaeozoic Earth History, Stratigraphy and the Geologic Time Scale**

<table>
<thead>
<tr>
<th>PAPER #</th>
<th>PAPER TITLE &amp; AUTHOR</th>
</tr>
</thead>
</table>
| # PB253 | Three-dimensional Cloudina specimens extraction from limestone of the Nama Group, Namibia  
Mr. Rodrigo AdôRno / Mr. Dermeval do Carmo |
| # PB254 | Evidence for ancestry in taxonomic studies: Lessons from mid-Cretaceous biserial planktonic foraminifera  
Dr. Brian Huber |
| # PB255 | Lower - Middle Pleistocene boundary at Chiba section and distribution situation of Byk zone, central Japan  
Mr. Hideto Kimura |
| # PB256 | Taxonomic remarks and stratigraphic implications of Cloudina species in Neoproterozoic strata  
Mr. Rodrigo AdôRno / Mr. Dermeval do Carmo |
| # PB257 | Biostratigraphy of Neoproterozoic strata based on invertebrate species from South America  
Mr. Rodrigo AdôRno / Mr. Dermeval do Carmo |
| # PB258 | Concise Geologic Time Scale 2016: a partial update of GTS2012  
Prof. James Ogg |
| # PB259 | The Stratigraphic Table of Germany revisited: 2016  
Dr. Manfred Menning |
<table>
<thead>
<tr>
<th>#</th>
<th>Title</th>
<th>Author(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PB260</td>
<td>A Revised Calibration of the New Zealand Geological Timescale: NZGT2015</td>
<td>James Ian Raine</td>
</tr>
<tr>
<td>PB261</td>
<td>Earth history visualization system for Gondwana basins</td>
<td>Ms. Rebecca Bobick / Prof. James Ogg</td>
</tr>
<tr>
<td>PB262</td>
<td>Towards a calibrated astronomical timescale for the Mid Ordovician</td>
<td>Dr. Christian Rasmussen</td>
</tr>
<tr>
<td>PB263</td>
<td>Biostratigraphy of the Valongo Formation (Ordovician) of northern Portugal</td>
<td>Dr. Artur Sá</td>
</tr>
<tr>
<td>PB264</td>
<td>Upper Visean through Gzhelian conodont zonation in South China</td>
<td>Dr. Yuping QI</td>
</tr>
<tr>
<td>PB265</td>
<td>Eccentricity Scale Conodont Oxygen and Strontium Isotopic Trends During Carboniferous Climate Transitions</td>
<td>Dillon Osleger</td>
</tr>
<tr>
<td>PB266</td>
<td>A field reconnaissance to locate the base of the Changhsingian Stage in the Karoo Basin, South Africa</td>
<td>Mr. Lwazi Magadaza</td>
</tr>
<tr>
<td>PB267</td>
<td>Bivalve biostratigraphy of terminal Permian (pre-Otoceras part) of the South Verkhoyansk Region (Northeast Asia)</td>
<td>Dr. Alexander Biakov</td>
</tr>
<tr>
<td>PB268</td>
<td>Litho- And Chronostratigraphy of Bukit Morah, Taiping Permo-Triassic Semanggol Formation</td>
<td>Mr. Mohamad Shaufi Sekiman / Mr. Md Yazid Mansor</td>
</tr>
<tr>
<td>PB269</td>
<td>Uppermost Permian to Upper Triassic conodont zonation and carbonate carbon isotopes from Kamura section, Southwest Japan</td>
<td>Dr. Feihong Ye</td>
</tr>
<tr>
<td>PB270</td>
<td>The first detailed record of Permian-Triassic boundary sediments in deep-water facies in North-East Asia (Kolyma-Omolon region)</td>
<td>Dr. Alexander Biakov</td>
</tr>
<tr>
<td>PB271</td>
<td>The characteristic and geodynamic origin of stratigraphic sequence structure in the compressional basin: a Jurassic example from the Fukang sag in the Junggar basin</td>
<td>Mr. Qisong Xu</td>
</tr>
<tr>
<td>PB272</td>
<td>The correlation between the deposition and its regional tectonics in the Jurassic Yabulai Basin, Northwestern China</td>
<td>Mr. Haiyang Cao</td>
</tr>
<tr>
<td>PB273</td>
<td>Late Barremian – early Albian climate of the northern middle latitudes: Stable O- and C-isotope evidence from brachiopods and molluscs of the Caucasus</td>
<td>Dr. Yuri D. Zakharov</td>
</tr>
<tr>
<td>PB274</td>
<td>Calcareous nannoplankton and Foraminifera biostratigraphy of the Upper Cretaceous St Lucia Formation (Nibela Peninsula, South Africa)</td>
<td>Dr. Maria Ovechkina</td>
</tr>
<tr>
<td>PB275</td>
<td>Calcareous nannoplankton distribution around the Campanian–Maastrichtian boundary on the Aktulagaj Plato (Kazakhstan)</td>
<td>Dr. M.N. Ovechkina</td>
</tr>
<tr>
<td>PB276</td>
<td>Nearshore to offshore facies correlation of the Turonian-Coniacian stage boundary in the Bohemian Cretaceous Basin (Czech Republic)</td>
<td>Mr. Stanislav Cech</td>
</tr>
<tr>
<td>PB277</td>
<td>Factors influencing on formation of chalk-marl couplets in Turonian-Santonian succession, Kopet-Dagh basin, NE Iran</td>
<td>Ms. Leili Fateh Bahari</td>
</tr>
<tr>
<td>PB278</td>
<td>Retrieving a Late Cretaceous Major Plate Reorganization Event of Pacific Ocean, Age 87-89 Ma (Late Turonian/ Coniacian): Insight from Eastern Asia and Significance to Pacific Evolution</td>
<td>Dr. Ying Song</td>
</tr>
<tr>
<td>PB279</td>
<td>Implications of new data for late Cretaceous marine transgressions in central peninsular India</td>
<td>Prof. Sunil Bajpai</td>
</tr>
<tr>
<td>PB280</td>
<td>Mercury deposition and mercury isotopes in sections straddling the Cretaceous–Paleogene boundary: link to volcanism</td>
<td>Dr. Alcides Sial</td>
</tr>
<tr>
<td>PB281</td>
<td>Microfacies and diagenetic analysis of lockhart lime stone, Shah Allah Ditta area Islamabad, Pakistan</td>
<td>M.A. Khan</td>
</tr>
<tr>
<td>PB282</td>
<td>Neogene terrestrial chronostratigraphic sequence of China based on land mammalian ages</td>
<td>Dr. Tao Deng</td>
</tr>
<tr>
<td>PB283</td>
<td>Progressive growth of the Scandinavian Ice Sheet across the south-western Baltic Sea Basin during Marine Isotope Stage 2</td>
<td>Mr. Michael Kenzler</td>
</tr>
<tr>
<td>PB284</td>
<td>Anthropocene, Vernal Point, Solar cycle and el Niño 2015-2016</td>
<td>Mr. Teodosio Chavez-Campos</td>
</tr>
</tbody>
</table>
### SOCIAL PROGRAMME

<table>
<thead>
<tr>
<th>TIME</th>
<th>DATE</th>
<th>FUNCTION</th>
<th>VENUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>17:45 - 20:00</td>
<td>28 August</td>
<td>WELCOME FUNCTION / ICE-BREAKER</td>
<td>Exhibition Area, CTICC</td>
</tr>
<tr>
<td>17:00</td>
<td>28 August</td>
<td>ACCOMPANYING PERSONS ORIENTATION AND WELCOME</td>
<td>Accompanying Persons Lounge, CTICC</td>
</tr>
<tr>
<td>07:00 - 09:30</td>
<td>29 August</td>
<td>GEOHOST RECEPTION (INVITATION ONLY)</td>
<td>Marimba Restaurant, CTICC</td>
</tr>
<tr>
<td>18:30 - 21:00</td>
<td>29 August</td>
<td>IUGS RECEPTION FOR NATIONAL DELEGATES (INVITATION ONLY) (No transport provided)</td>
<td>Artscape Theatre (450 meter walk from CTICC)</td>
</tr>
<tr>
<td>12:00 - 14:00</td>
<td>30 August</td>
<td>GERMAN COMMITTEE – IUGS LUNCH (INVITATION ONLY)</td>
<td>Marimba Restaurant, CTICC</td>
</tr>
<tr>
<td>19:00 - 23:00</td>
<td>30 August</td>
<td>KOREAN NIGHT (INVITATION ONLY)</td>
<td>Westin Ballroom</td>
</tr>
<tr>
<td>19:00 - 23:00</td>
<td>30 August</td>
<td>CHINESE DELEGATION DINNER (INVITATION ONLY)</td>
<td>Marimba Restaurant, CTICC</td>
</tr>
<tr>
<td>19:00 - 21:00</td>
<td>31 August</td>
<td>DINNER HOSTED BY 36TH IGC, INDIA (INVITATION ONLY)</td>
<td>The Reserve, Taj Cape Town</td>
</tr>
<tr>
<td>20:00 - 23:00</td>
<td>1 September</td>
<td>THEME DINNER (Pre-registration only) (No transport provided)</td>
<td>Zip Zap Circus Tent, DF Malan Street, Foreshore, Cape Town</td>
</tr>
<tr>
<td>17:45 - 19:00</td>
<td>Daily: 29 August - 1 September</td>
<td>HAPPY HOUR</td>
<td>Poster and Exhibition Area, CTICC</td>
</tr>
<tr>
<td>18:00 - 20:00</td>
<td>31 August</td>
<td>STUDENT GEO-QUIZ (Registration at the EAGE stand)</td>
<td>Hall 4 B1, CTICC</td>
</tr>
<tr>
<td>18:00 - 20:00</td>
<td>29 August and 1 September</td>
<td>MOVIE NIGHT (All attendees invited)</td>
<td>Hall 4 B1, CTICC</td>
</tr>
<tr>
<td>10:00 - 16:00</td>
<td>Daily: 11:00, 12:00, 15:00, 16:00</td>
<td>FREE WINE TASTING &amp; SALES and DIAMOND AND TANZANITE WORKSHOP &amp; SALES (Pre-registration only via Albert Dreyer</td>
<td>Diamond Works Show Room (across from CTICC), Ground Floor, Metropolitan Life Centre, 7 Walter Sisulu Avenue, Cape Town</td>
</tr>
</tbody>
</table>

### AGU HOT TOPIC LOUNGE SCHEDULE

**MONDAY**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:20 - 13:40</td>
<td>The Peer Review Process and Tips to Improve Your Manuscript</td>
</tr>
<tr>
<td>13:40 - 14:00</td>
<td>How to Become a Reviewer and Review a Manuscript Effectively</td>
</tr>
<tr>
<td>14:00 - 14:30</td>
<td>How to Write an Abstract</td>
</tr>
<tr>
<td>14:30 - 15:00</td>
<td>Hot Topic Discussion: Planetary Sciences in Africa</td>
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</tbody>
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**WEDNESDAY**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>07:45 - 08:15</td>
<td>The Peer Review Process and Tips to Improve Your Manuscript</td>
</tr>
<tr>
<td>10:00 - 10:20</td>
<td>Data Skills and Reproducibility</td>
</tr>
<tr>
<td>13:20 - 13:40</td>
<td>Hot Topic Discussion: Climate Change and Water Resources in Africa</td>
</tr>
<tr>
<td>15:00 - 15:30</td>
<td>Gender Issues in the Earth sciences</td>
</tr>
<tr>
<td>15:40 - 16:15</td>
<td>Hot Topic Discussion: The Dynamic Earth and its Kimberlite, Cratonic Mantle and Diamond Record through Time</td>
</tr>
</tbody>
</table>

**FRIDAY**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>07:45 - 08:15</td>
<td>About AGU</td>
</tr>
<tr>
<td>10:00 - 10:20</td>
<td>The Peer Review Process and Tips to Improve Your Manuscript</td>
</tr>
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**TUESDAY**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>07:45 - 08:15</td>
<td>About AGU</td>
</tr>
<tr>
<td>10:00 - 10:20</td>
<td>Meet AGU Editors from JGR: Planets and Tectonics</td>
</tr>
<tr>
<td>15:00 - 15:30</td>
<td>Data Management/Reproducibility</td>
</tr>
<tr>
<td>17:40 - 18:00</td>
<td>Publication and Scientific Ethics</td>
</tr>
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**THURSDAY**

<table>
<thead>
<tr>
<th>Time</th>
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</tr>
</thead>
<tbody>
<tr>
<td>07:45 - 08:15</td>
<td>How to Participate in the Thriving Earth Exchange</td>
</tr>
<tr>
<td>10:00 - 10:20</td>
<td>Meet AGU Editors from JGR: Planets and Tectonics</td>
</tr>
<tr>
<td>13:20 - 13:40</td>
<td>Hot Topic Discussion: Hadean and Archean Earth</td>
</tr>
<tr>
<td>15:00 - 15:30</td>
<td>How to Become a Reviewer and Review a Manuscript Effectively</td>
</tr>
<tr>
<td>17:40 - 18:00</td>
<td>Career Development Tools and Advice</td>
</tr>
</tbody>
</table>