

# 35<sup>TH</sup> INTERNATIONAL GEOLOGICAL CONGRESS

27 AUGUST - 2 SEPTEMBER 2016 | CAPE TOWN, SOUTH AFRICA



## FRIDAY PROGRAMME

[www.35igc.org](http://www.35igc.org)





## Friday - Plenary Session Plenary Session 9 Auditorium 1

12:15–12:45

TIME	PAPER #	PAPER TITLE & AUTHOR
12:15	# 5546	Mining Industry and Society: our new and challenging frontier <b>Dr. Michel Jébrak (PLENARY SPEAKER)</b>

## Friday - Plenary Session Plenary Session 10 Auditorium 1

12:45–13:15

TIME	PAPER #	PAPER TITLE & AUTHOR
12:45	# 5558	Damaging Earthquakes in Africa: Their Seismotectonic background <b>Dr. Mustapha Meghraoui (PLENARY SPEAKER)</b>

## Friday - Session 15 T2.15 - Communicating Geoscience to the Public: Promises and Pitfalls MR 1.64

08:00–10:00

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 4237	The role of belief, trust and values in communicating controversial geoscience topics <b>Dr. Steven Anderson</b>
08:15	# 3083	Linking Geoscientists and Geoscience Information with Decision Makers at the U.S. Federal, State, and Local Levels <b>Dr. Maeve Boland</b>
08:30	# 3306	Ten Geological Superlatives of South Africa in a special issue of Postage Stamps to celebrate the 35 th International Geological Congress at Cape Town, 2016 <b>Mr. Pieter Bosch</b>
08:45	# 4151	Communicating geoscience knowledge at the time of natural disaster- experiences from Manipal, southwest coast of India <b>Dr. Keshava Balakrishna</b>
09:00	# 2352	GeoEducation and cooperation for sustainable development of the coast zone in East and Southeast Asia, a case demonstration for Geology 20+ ? <b>Dr. Ping Yin</b>
09:15	# 3213	Geolodía (Geoloday): yearly-running of fifty simultaneous Geological fieldtrips across Spain open to the general public <b>Prof. Marcos Aurell</b>

## Friday - Session 16 T2.16 - Place-based and culturally informed geoscience education / Communicating Geoscience to the Public: Promises and Pitfalls / Field-Based Geoscience Education: A YES Network Comparison MR 1.64

10:30–12:00

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 1609	TravelingGeologist: an online platform for disseminating Earth Science research and inspiring the next generation of field geologists <b>Dr. Christopher Spencer</b>
10:45	# 1240	Place-based geoscience education: A narrative from the Southwestern United States <b>Dr. Steven Semken (KEYNOTE SPEAKER)</b>
11:15	# 3821	Geoscience and Indigenous Knowledge: Lightning and the Lowveld Lavender <b>Dr. Ann Cameron</b>
11:30	# 5429	Promoting Young Earth Scientists for Future Earth from G20+ to the World <b>Mr. Meng Wang</b>
11:45	# 2109	FieldscapesVR: Virtual world field trips to extend and enrich field teaching <b>Dr. Tom Argles</b>

## Friday - Session 17 T2.17 - Place-based and culturally informed geoscience education / Sustainable Geoscience: embedding Earth stewardship in geo-education MR 1.64

14:00–15:30

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 821	A Field-Based Volcanology Course in Ecuador: From the Andes to the Galapagos Islands <b>Dr. Daniel Kelley</b>
14:30	# 933	Building Good Foundations: Skills for Effective Engagement in Sustainable Development <b>Mr. Joel Gill</b>
14:45	# 5075	Matching mining and geoscience focussed education with industry needs and demand: Lessons from INTRAW's reference countries <b>Prof. Kip Jeffrey</b>

**Friday - Session 15****08:00–10:00****T4.15 - Understanding Tropical Climate Change from geological perspectives through multi-dimensional approach  
Reg Foyer 2**

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 3382	Upper Pleistocene Palaeoclimate and Palaeoenvironmental evolution of Kivu <i>Dr. Chantal K. Nzabandora</i>
08:15	# 3611	Magnetic susceptibility as a proxy for paleorainfall: New data from Hirekolale lake sediments, Southern India <i>Dr. Rajashekaraiah Shankar</i>
08:30	# 4077	Landscape Evolution of Kachchh palaeo-rift basin, Western India: Quaternary Climate and Tectonic Odyssey <i>Dr. Mahesh Thakkar</i>
08:45	# 4168	Holocene mangrove ecosystem dynamics of the Chilka Lagoon, Mahanadi Delta, India <i>Dr. Shilpa Pandey</i>

**Friday - Session 16****10:30–12:00****T4.16 - Understanding Tropical Climate Change from geological perspectives through multi-dimensional approach  
Reg Foyer 2**

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 4294	Abrupt productivity shift recorded during early-middle Holocene, in the NE Arabian Sea <i>Mr. Syed Azharuddin</i>
10:45	# 4388	Reconstructing the surface water condition of southeast Atlantic ocean for last 1.8Ma using Planktic foraminifera census and stable carbon and oxygen isotope record <i>Mr. Ankush Shrivastava</i>

**Friday - Session 17****14:00–15:30****T4.17 - Understanding Tropical Climate Change from geological perspectives through multi-dimensional approach  
Reg Foyer 2**

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 4675	Geochemistry and 10Be analysis of sediments from Svalbard, Arctic Ocean: A proxy for climate change <i>Dr. Pankaj Kumar</i>
14:15	# 4733	Chronology of relict lake deposits in the upper Alakananda basin: Implication to paleoclimate and variability of chemical weathering intensity <i>Dr. Jitendra Kumar Pattanaik</i>
14:30	# 4751	Re-visiting the Globigerinoides ruber $\delta^{18}O$ salinity temperature relationship in the Indian Ocean <i>Dr. Rajeev Saraswat</i>

**Friday - Session 15****08:00–10:00****T7.15 - Open session  
MR 2.61 - 2.63**

TIME	PAPER #	PAPER TITLE & AUTHOR
08:45	# 3127	Hybrid Fuzzy Weights of Evidence and Artificial Neural Networks for Mineral Potential Mapping: A case study from the Bushveld Complex, South Africa <i>Dr. Abera Tessema</i>
09:00	# 74	Application of fractal modelling for integration of data layers in GIS, Case study: Sharafabad-Hizehjan area (NW Iran) <i>Dr. Peyman Afzal</i>
09:15	# 1286	Mapping of Au anomalies in drainage sediments by multifractal modeling <i>Mr. Behnam Sadeghi</i>
09:30	# 3110	New developments in Mineral Prospectivity Mapping at BRGM: an overview <i>Mr. Bruno Tourler</i>
09:45	# 4129	GIS based integration of airborne magnetic, radiometric, LiDAR, soil and sediment geochemistry: A case study of the TellusSW surveys, England <i>Dr. Charlie Moon</i>

**Friday - Session 16****10:30–12:00****T7.16 - Open session  
MR 2.61 - 2.63**

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 1505	3D targeting based on geoscience datasets and metallogenic model in the east of Gejiu Tin Polymetallic District, China <i>Dr. Gongwen Wang</i>
10:45	# 1120	Multifractal analysis of the strength of Cu-Au paragenetic relationships, a case study in eastern Tianshan mineral district, China <i>Dr. Jie Zhao</i>
11:00	# 750	GIS-based mineral systems approach to mapping of prospectivity for surficial uranium deposits: a case study in British Columbia, Canada <i>Dr. John Carranza</i>
11:15	# 3747	Application of Partial Least Squares Methods in Identifying integrated Geochemical Anomalies using stream sediment data in Northwestern Hunan, China <i>Mrs. Kun Wang</i>





## Friday 2 September

11:30	# 1386	Gold exploration in Limpopo Province using free satellite data <b>Dr. Neil Pendock</b>
11:45	# 2994	Identification of Element Association Anomaly and Extraction of its Ore-forming information of Southeastern Yunnan Ore Concentration Area by Using PCA combined with SVD <b>Ms. Luxue Qin</b>

### Friday - Session 17 T7.17 - Open session MR 2.61 - 2.63

14:00–15:30

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 3025	Identification of ore-forming element association anomalies by Bi-dimension Empirical Mode Decomposition combined with Principal Component Analysis in Tengchong Block, Southwestern China <b>Dr. Yongqing Chen</b>
14:15	# 145	A fractal measure of the spatial relationships between geological features and mineral deposits <b>Prof. Renguang Zuo</b>
14:30	# 1571	Fuzzy logic prospectivity model for gold within the Paleoproterozoic Peräpohja Belt, Northern Fennoscandian Shield, Finland <b>Dr. Vesa Nykänen</b>
14:45	# 1195	Fractal/multifractal analysis in support of mineral exploration <b>Dr. Wenlei Wang</b>
15:00	# 1127	Cost sensitive neural network-based method for mapping mineral prospectivity <b>Dr. Yihui Xiong</b>

### Friday - Session 15 T8.15 - Managing Geohazards and Risks from space / Himalayan Mountain Building and Fragile Ecosystem vis-a-vis Natural Disaster Management / Challenges in Identifying and Characterising Seismogenic Faults in Non-Plate Boundary Settings Hall 4B2

08:00–10:00

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 2680	Surface Recovery of Landslides Triggered by 2008 Ms8.0 Wenchuan Earthquake (China): a Case Study in a Typical Mountainous Watershed <b>Ms. Li Lingjing</b>
08:15	# 3787	InSAR Based Ground Motion Service for Germany – Natural and Anthropogenic Implications <b>Dr. Michaela Frei</b>
08:30	# 3427	Air- and space-born inventory and monitoring of emergency slope deformations in Slovakia <b>Dr. Pavel Liscak</b>
08:45	# 3564	Landslide characterization from space in the tropical environments of the Rift flanks west of Lake Kivu (DRC) <b>Dr. Olivier Dewitte</b>
09:00	# 96	Field evidences of Gorkha Earthquakes of 25 April (7.8M) and Kodari 12 May 2015 (7.2M) in Nepal <b>Prof. Arun Kumar</b>
09:15	# 467	Neo-Tectonic Evidences of Rejuvenation in Spiti Valley Fault, Lahaul and Spiti District, Northwestern Himalayas, India <b>Mr. N.S. Nayyar</b>
09:30	# 1253	Engineering Geological Understanding After the 2015 Gorkha Earthquake <b>Dr. Ranjan Kumar Dahal</b>
09:45	# 4001	The Influence of Tectonic Setting on the Characterization of Seismic Sources for Probabilistic Seismic Hazard Analysis <b>Dr. Kevin Coppersmith</b>

### Friday - Session 16 T8.16 - Challenges in Identifying and Characterising Seismogenic Faults in Non-Plate Boundary Settings Hall 4B2

10:30–12:00

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 4245	New Challenges for Seismic Hazard Characterization of the Cheraw Fault, Southeast Colorado, USA <b>Mr. Dean Ostenaa</b>
10:45	# 4195	Cosmogenic <sup>10</sup> Be and <sup>26</sup> Al dating of ancient surfaces and recent fault scarps in south central South Africa – indications of both fault motion and stability in a stable continental region <b>Dr. Paul Bierman</b>
11:00	# 4206	Challenges in Characterizing Fault Sources in a Reactivated SCR Environment, Southern South Africa <b>Mr. Ryan Coppersmith</b>
11:15	# 3577	Paleoseismic Investigation of the Kango Fault, South Africa: Incorporating Temporal and Spatial Clustering Behavior into a Seismic Source Characterization Model <b>Ms. Kathryn Hanson</b>
11:30	# 1700	The 2014-2016 Updates of the National Seismic Hazard Models for the Central and Eastern United States: Insights for Hazard in Stable Continental Regions <b>Dr. Mark Petersen</b>
11:45	# 94	Seismicity Induced by Mine Flooding <b>Dr. Artur Cichowicz</b>



## Friday - Session 17

14:00–15:30

## T8.17 - Challenges in Identifying and Characterising Seismogenic Faults in Non-Plate Boundary Settings

Hall 4B2

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 1776	Seismicity Analysis for Pamir-Hindukush Considering Shallow and Intermediate Depth Earthquakes <i>Dr. Khaista Rehman</i>
14:15	# 5581	Complimentary sources of earthquake data – a unique situation <i>Dr. Artur Cichowicz</i>
14:30	# 4829	Shallow and Upper Crustal Amplification of Seismic Waves <i>Dr. Ganesh W. Rathod</i>
14:45	# 1202	The Preliminary Results from High Resolution Seismic Survey of Lake Erçek (LESS-2015 project), Eastern Anatolia <i>Dr. Mustafa Toker</i>
15:00	# 3311	Drilling into seismogenic zones of M2.0 – M5.5 earthquakes in deep South African gold mines (DSeis) <i>Prof. Hiroshi Ogasawara</i>
15:15	# 4208	Yakima Fold Belt Structures, Eastern WA: Style and Rate of Faulting Based on Structural Analyses and Quaternary Studies <i>Mr. Ryan Coppersmith</i>

## Friday - Session 15

08:00–10:00

## T9.15 - Proximal and Remote Sensing Technologies

MR 2.44 - 2.46

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 4062	Random Forests applied as a soil spatial predictive model across an arid to ustic area of Indian States <i>Mr. Gaurav Shukla</i>
08:15	# 570	The Architecture on Geological Survey Intelligent Space <i>Dr. Li Chaoling</i>
08:30	# 2272	Multifractal Analysis for Threshold Determination in Hydrothermally Altered Images around Dutsen Danbakoshi, Northwestern Nigeria. <i>Mr. Abdulgafar Amuda</i>
08:45	# 4444	Radar interferometry for ground subsidence identification and monitoring using ALOS-2 PALSAR-2 data: a case study of KOSH region of South Africa <i>Dr. Abraham Thomas</i>
09:00	# 4382	Spatial and temporal variation of suspended sediment concentration in the near shore waters, Southern Karnataka, India <i>Mr. Ateeth Shetty</i>

## Friday - Session 16

10:30–12:00

## T9.16 - Proximal and Remote Sensing Technologies

MR 2.44 - 2.46

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 534	Fracture – drainage system relationship in evaporitic Gachsaran Formation, southwest of Iran <i>Dr. Arash Barjasteh</i>
10:45	# 3556	Towards a global mineral mapping or Earth's surface <i>Mr. Michael Abrams</i>
11:00	# 2467	Application of remote sensing and GIS to near-surface aquifer mapping for landslide susceptibility assessment: a case study in in Hoa Binh Province, Vietnam <i>Dr. Le Quoc Hung</i>
11:15	# 2487	Mapping Surface Lineaments in the Umiujalik Lake Area, Nunavut Using Multi-Beam Radarsat-2 Polarimetric SAR Images <i>Dr. Brigitte Leblon</i>
11:30	# 2463	Use of RADARSAT-2 SAR and LANDSAT-5 TM Images for permafrost feature distribution mapping <i>Dr. Prof. Brigitte Leblon</i>

## Friday - Session 15

08:00–10:00

## T13.15 - Open session

Westin - Victoria &amp; Alfred

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 6	Watershed Development For Sustainable Food Production and Improved Rural Health In India - The Role of "GROWNET" - UNESCO-IUGS-IGCP Project no. 523 <i>Dr. Shrikant Daji Limaye</i>
08:15	# 423	Gold deposits in Jurassic gold-bearing conglomerates of Western and Central Tajikistan <i>Ms. Mukhammadzoda Shakhloi</i>
08:30	# 3640	Geosciences consciousness in making Geo-heritage and Geo-park: A Geo-Tourism more attractive <i>Ms. AFIA AKHTAR</i>
08:45	# 3643	Lack of funding and expertise: Two major obstacles for mining in low-income countries <i>Ms. Afia Akhtar</i>
09:00	# 4515	Fluid inclusion study of Jinchang gold deposit and its constraint on ore genesis, western Hainan Island, South China <i>Dr. Yuheng Liu</i>



## Friday - Session 15

08:00–10:00

### T15.15 - Engineering Geology for large structures Hall 4B1

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 2708	Structural geological models: An essential information for civil engineering works - Tapovan HEPP, Himalaya, India <b>Mrs. Waltraud Genser</b>
08:15	# 2558	Study on the parameters selection of Peck formula for the twin-track tunnel in the sandy-pebble stratum <b>Prof. Xiyong Wu</b>

## Friday - Session 16

10:30–12:00

### T15.16 - Geological Engineering and Energy Facets / Marine geotechnics Hall 4B1

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 1798	Effects of pore structure on the reservoir gas capacity of Carboniferous shale from Qaidam Basin, China <b>Prof. Qingchun Yu</b>
10:45	# 2240	Geological investigations for the future expansion of the SADC Gateway Port of Walvis Bay, Namibia, influence of terrestrial and marine sedimentology on Port development. <b>Dr. Robert Leyland</b>
11:00	# 4034	Effects of waves and currents on sediment erosion: A case study in China by in-situ observation <b>Mr. Chaoqi Zhu</b>

## Friday - Session 17

14:00–15:30

### T15.17 - Slope stability - analysis, investigation and remediation / Engineering Geology and Geomechanics Hall 4B1

TIME	PAPER #	PAPER TITLE & AUTHOR
14:15	# 2781	Geomorphology and rock slope instabilities in the archaeological site of Petra (Jordan) <b>Dr. Claudio Margottini</b>
14:30	# 2620	Hydrogeomechanical impacts of increasing the operating level of Karun1 (Shahid Abbaspour) Dam, Iran <b>Dr. Arash Barjasteh</b>

## Friday - Session 15

08:00–10:00

### T18.15 - Sediment-hosted ore deposits .... Albertus Smith and Harilaos Tsikos / The Witwatersrand Goldfields Ballroom East

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 179	The Witwatersrand Goldfield - from Geological Origins to Environmental Impacts of Mining <b>Prof. Morris Viljoen (KEYNOTE SPEAKER)</b>
08:30	# 3685	How Applied Sedimentology was used to Optimise the Economic Life of Marginal Witwatersrand Gold Mines <b>Dr. Willo Stear (KEYNOTE SPEAKER)</b>
09:00	# 4314	"The Ore Body Dictates" - Extending the Economic Life of Witwatersrand Ore Bodies <b>Mr. Jaco Boshoff</b>
09:15	# 711	Anatomy of a Witwatersrand Conglomerate Reef <b>Mr. Rodney Tucker</b>
09:30	# 5387	The Elsburg and Mondeor Conglomerates -From Barren to Containing a 100 million ounce Gold Resource <b>Mr. Rodney Tucker</b>
09:45	# 3416	A facies model for the E9Ec reef as developed on Cooke 4 shaft, Randfontein Estates <b>Mr. Mark Burnett</b>

## Friday - Session 15

08:00–10:00

### T18.15a - Crustal Evolution, Geodynamics and Mineral Systems Ballroom West

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 5517	Tectonic processes and metallogeny along the Tethyan Mountain ranges of the Middle East and South Asia <b>Mike Searle (KEYNOTE SPEAKER)</b>
08:30	# 1372	Metallogenic and geodynamic evolution of the Lesser Caucasus <b>Mr. Robert Moritz</b>
08:45	# 444	Chromite chemistry and platinum group minerals as petrogenetic and tectonic indicators for ultramafic rocks with Alaskan-type affinities from the Attapadi valley of Bhavani Shear Zone, southern India <b>Mr. M.N Praveen</b>
09:00	# 731	Geological controls, environment of formation and style of copper and gold mineralization in the Mundiawas-Khera area of Alwar district, Rajasthan, Western India <b>Dr. Venkatesh Akella</b>
09:15	# 1473	3D model of the major crustal boundaries of Australia: implications for metallogenesis <b>Dr. Michael P Doublier (KEYNOTE SPEAKER)</b>
09:45	# 983	Metallogeny of the Saryjaz ore district, Eastern Kyrgyzstan: Relationship with continental subduction and the Tarim mantle plume <b>Dr. Boris Trifonov</b>



## Friday - Session 16

10:30–12:00

T18.16 - The Witwatersrand Goldfields  
Ballroom East

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 4627	Relative timing of alterations in the Witwatersrand Basin <b>Dr. Katharina Wulff</b>
10:45	# 3657	Mitigation of the rockburst risk in deep South African gold mines <b>Prof. Raymond Durrheim</b>
11:00	# 5493	Understanding the origin of groundwater in the Evander basin goldfields to assist mine water management during closure, South Africa <b>Mr. Mohammed Musthafa Khaleel</b>
11:15	# 5213	Petrophysical and geological study of the seismically non-reflective Carbon Leader Reef: Witwatersrand Basin <b>Ms. Nomqhele Nkosi</b>
11:30	# 4588	In-situ LA-ICP-MS trace elements analysis of magnetite from the giant Beiya gold-polymetallic deposit, western Yunnan Province, Southwest China <b>Dr. Yu Fu</b>
11:45	# 4784	Magmatic origin of 'Kiruna-type' apatite-iron-oxide ores revealed by Fe-O isotope correlations <b>Prof. Valentin Troll</b>

## Friday - Session 16

10:30–12:00

T18.16a - Mineral Deposits and Ore Forming Processes  
Ballroom West

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 3840	Evidence for post-magmatic rare-earth element mobilisation from a microgeochemical in situ ID-TIMS Sm–Nd isochron from a single magmatic eudialyte crystal from the Norra Kärr alkaline complex <b>Mr. Axel Sjöqvist</b>
10:45	# 1966	Alteration-Mineralization and Element Migration Features of Baiyinchang VMS Deposit in Gansu Province, China <b>Dr. Kai Dong / Prof. Shouyu Chen</b>
11:00	# 5499	Gold in West Africa – what does the future hold? <b>L. Peters</b>
11:15	# 3994	Diamondiferous trend of the kimberlites in the Lunda region (Angola) <b>Dr. Joao Tunga Felix</b>
11:30	# 1210	Regional geological and mineralogical zonality of formation of Uzbekistan's gold deposits <b>Vladimir Tsoi</b>
11:45	# 4652	Relationships between concentration of phosphorus and evolutionary of small shelly faunas from the Cambrian Maidiping Formation, China <b>Mr. Wentian Mi</b>

## Friday - Session 17

14:00–15:30

T18.17 - Mineral Deposits and Ore Forming Processes  
Ballroom East

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 58	The mining history of Cape Town <b>Dr. Doug Cole</b>
14:15	# 3770	Geo-environmental Assessment of Mining Impacts on the Central Rand <b>Dr. Fred, N. Mphaphu</b>
14:30	# 3756	Antimony / Gold Mineralization of the Murchison Greenstone Belt <b>Mr. Trevor Pearton</b>
14:45	# 638	A review of the history and geology of the Knysna (Millwood) goldfields, Western Cape Province, South Africa. An opportunity missed? <b>Mr. Christopher Bargmann</b>
15:00	# 1718	In-loop TEM for fast investigation of coal-mine out water-filled zones <b>Prof. Guo-qiang Xue</b>
15:15	# 1041	16th Century mining in Europe and a Shipwreck on the Namibian Coast <b>Dr. Gabriele Schneider</b>

## Friday - Session 17

14:00–15:30

T18.17a - Crustal Evolution, Geodynamics and Mineral Systems /  
Mineral Deposits and Ore Forming Processes  
Ballroom West

TIME	PAPER #	PAPER TITLE & AUTHOR
14:30	# 4273	New discovery of a wolframite-bearing granitic porphyry dike in Pingmiao ore block of the giant Dahutang tungsten deposit (Jiangxi Province, South China): A geochronologic, geochemical and petrogenetic study <b>Mr. Y.F. Meng</b>
14:45	# 4696	Uniqueness of the Jiaodong terrane constrained by the Penglai Group, Eastern China <b>Prof. Hongyan Li</b>



15:00	# 5052	Intrusions Related Ore Genesis Processes Along The Subduction Line of Bursa Uludag <b>Mr. Huseyin Kocaturk</b>
15:15	# 5014	Understanding Mineral Deposits and Ore Forming Processes - The Self-Organisation Concept and its Importance to the Search for New Mineral Resources <b>Dr. Sabine Dietrich</b>

## Friday - Session 15

08:00–10:00

### T21.15 - Shale gas basins and their resource assessment: global perspectives and challenges MR 1.61

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 2942	New unconventional potential of the mature petroleum provinces – a case study of Poland <b>Mr. Pawel Poprawa</b>
08:15	# 2456	Heterogeneity of Silurian and Ordovician shale gas deposits in Poland investigated by Factor Analysis applied to well logging data <b>Dr. Kamila Wawrzyniak-Guz</b>
08:30	# 95	Stress field and natural fracture systems in Lower Paleozoic shale belt in Poland based on borehole images <b>Dr. Birger Hansen</b>
08:45	# 1213	Sylurian shales hydraulic fracturing operation quality assurance as a key of successful treatment - case study <b>Dr. Wieslaw Prugar</b>
09:00	# 5531	Oil and gas fields discovery potential in oil and gas prospecting zones of the Russian Federation <b>Dr. Pavel Melnikov</b>
09:15	# 2546	The Discovery of the Global Biggest Lower Paleozoic Shale Gas Field of Fuling Shale Gas and its Suggestion for Exploration Prospect of Shale Gas in China <b>Prof. Zhijun Jin</b>
09:30	# 1707	USGS assessments of unconventional gas and oil resources in China <b>Dr. Christopher Potter</b>
09:45	# 2395	Nano-geology and unconventional oil and gas <b>Prof. Yiwen Ju</b>

## Friday - Session 16

10:30–12:00

### T21.16 - Shale gas basins and their resource assessment: global perspectives and challenges / Tight oil and gas reservoirs: recent developments and future challenges / Unconventional Hydrocarbons and Emerging Fuels MR 1.61

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 1894	Enrichment Mechanism of Source and Seal Coupling Shale Gas of Upper Ordovician Wufeng Formation - Lower Silurian Longmaxi Formation in Sichuan Basin <b>Prof. Zhi Jun Jin</b>
10:45	# 2346	Qualitative and quantitative characterization of transitional shale reservoir: A case study from the Upper Carboniferous Taiyuan shale in eastern uplift of Liaohe Depression, China <b>Ms. Qin Zhang</b>
11:00	# 197	In-situ Fracturing Characterization of Tight Sand: Insight for Reservoir Stimulation <b>Dr. Songtao WU</b>
11:15	# 1621	Evaluation on Favorable Lithofacies and sweet spot of Ek2 Tight Oil in Cangdong Sag, Bohai Bay Basin, North China <b>Mr. Wenzhong Han</b>
11:30	# 675	Unlocking Key Factors of Liquid-Rich-Shales: “Massive Resource Area” & “Sweet Area” Evaluation <b>Dr. Zhi Yang</b>
11:45	# 2363	Characterization of Pore-Throat Structure and Prediction of Sweet Spot of the Eocene Low Permeability-Tight Beach-Bar Sandstone Reservoirs in the Dongying Depression, Bohai Bay Basin, China <b>Dr. Jian Wang</b>

## Friday - Session 17

14:00–15:30

### T21.17 - Gas hydrates - a major unconventional energy resource: when will they be produced? MR 1.61

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 862	Numerical simulation of gas hydrate exploitation from subsea reservoirs <b>Dipl.-Ing. Georg Janicki</b>
14:15	# 5212	Delineation and assessment of gas-hydrates in Krishna-Godavari basin, eastern continental margin of India <b>Dr. Kalachand Sain</b>
14:30	# 1615	Identification of Bottom Simulating Reflectors (BSRs) to help uncover potential gas hydrates within the Orange Basin, South Africa <b>Mr. Anthony Fielies</b>
14:45	# 1092	Spatial Variation in Vertical Methane Migration and Contribution to Shallow Sediment Carbon Cycling: Hikurangi Margin, Mahia Peninsula, New Zealand <b>Dr. Richard Coffin</b>
15:00	# 5614	The unconventional hydrocarbon potential in the Volga-Urals, West and East Siberia, Russian Federation <b>Dr. Pavel Melnikov</b>





## Friday - Session 15

08:00–10:00

**T27.15 - Geology of Gold Deposits (sponsored by SGA and SEG) /  
Geochemistry of Lode Gold Deposits (sponsored by SGA and SEG)**  
MR 1.41 - 1.42

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 5079	The Muruntau gold deposit (Uzbekistan) - A unique ancient hydrothermal system in the southern Tien Shan <b>Prof. Reimar Seltmann (KEYNOTE SPEAKER)</b>
08:30	# 4199	Metal-containing thioanions: their stability and role in gold and other element transport in hydrothermal ore solutions <b>Prof. Terry M. Seward</b>
08:45	# 4389	Metallotectonic evolution of North Singhbhum Fold and Thrust Belt and its Province-Scale Implications on the Gold Prospects of Singhbhum Crustal Province, Eastern India. <b>Dr. Sahendra Singh</b>
09:00	# 641	Structural analysis of the Bentong-Raub Suture Zone using PALSAR remote sensing data, Peninsular Malaysia: Implications for sediment-hosted/orogenic gold mineral systems exploration <b>Dr. Amin Beiranvand Pour</b>
09:15	# 3511	Determining hydrothermal fluid source for gold deposits through geochemistry of monazite and xenotime crystals <b>Dr. Ryan Taylor (KEYNOTE SPEAKER)</b>
09:45	# 70	Possible analogs of Witwatersrand in the North Asian Craton <b>Prof. Victor Starostin</b>

## Friday - Session 16

10:30–12:00

**T27.16 - Geochemistry of Lode Gold Deposits (sponsored by SGA and SEG)**  
MR 1.41 - 1.42

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 3609	Characteristics of high grade Au-Ag mineralization at the Hishikari deposits, Kagoshima, Japan <b>Dr. Ryohei Takahashi</b>
10:45	# 2908	Towards Understanding the giant Kibali orogenic gold deposit, NE DRC. <b>Prof. Peter Treloar</b>
11:00	# 4658	Biotite and white mica composition as a vector to ore zones: deciphering hydrothermal and metamorphic effects in the Canadian Malartic gold deposit alteration halo, Québec <b>Mr. Nicolas Gaillard</b>
11:15	# 4402	Preferential mineralisation of shallowly dipping veins at the Navachab gold deposit, Namibia <b>Dr. Katharina Wulff</b>
11:30	# 4570	How to improve gold recovery from placer deposits in Adola Region (Southern Ethiopian Greenstone Belt) <b>Prof. Stanislaw Wolkowicz</b>
11:45	# 5449	The use of fractal analysis for gold exploration in the Manica Mutare Odzi (MMO) greenstone belt <b>Prof. Salvador Mondlane</b>

## Friday - Session 17

14:00–15:30

**T27.17 - Geochemistry of Lode Gold Deposits (sponsored by SGA and SEG)**  
MR 1.41 - 1.42

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 2887	Magmatism, mineralogical and hydrothermal fluids constraints in the Marmato Gold Deposit, Colombia. <b>Mr. Leonardo Santacruz Reyes</b>
14:15	# 1987	Controls on high-grade gold mineralization at Nyabirama Gold Deposit as revealed from detailed mapping and 3-D modelling. North Mara Mine (Acacia Mining plc) - Tanzania <b>Mr. Sebastian Ndile</b>
14:30	# 4900	Nature of Gold Mineralization at Abu Khalag, Central Bayuda Desert, Sudan. <b>Dr. Mohammed Alnaghassi Hassan Altigani</b>
14:45	# 3555	Preliminary study on the Zibyaung gold prospect, Kyaikhto area, Southern Myanmar <b>Mr. Myo Kyaw Hlaing</b>

## Friday - Session 15

08:00–10:00

**T28.15 - Continental Sedimentation / Reading the record of shales: archives of past process, climate and life**  
MR 1.43 - 1.44

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 2178	Numerical stratigraphic model of fluvial point-bar architectures controlled by tectonic forcing <b>Dr. Na Yan</b>
08:15	# 3776	Lithology-Based Sequence-Stratigraphic Framework and Sedimentary Evolution of the Cenozoic Succession in the Northeastern Nanpu Sag, China <b>Ms. Mengyi Ren</b>
08:30	# 1797	Mixed Hydrothermal and Biogenic Origin of Composited Quartz Aggregate in Lacustrine Shale of Lucaogou Formation, Santanghu Basin, NW China <b>Mr. Xin Jiao</b>



# Friday 2 September

08:45	# 106	Gravity current deposits: dominant reservoirs of shale oil in post-rift basin insight from late Cretaceous First member (K2qn1) of Qingshankou Formation and First to second members (K2n1-2) of Nenjiang Formations, Songliang Basin, Northeastern China <b>Dr. Youliang Feng</b>
09:00	# 3808	A record of sedimentation of the late-Ordovician Soom Member (Cedarberg Formation) from new borehole data in the Cedarberg region of South Africa. <b>Ms. Claire Browning</b>
09:15	# 2850	The Vembo Shales (Republic of the Congo): new insights on the transition from lacustrine to marine settings for the South Atlantic <b>Mr. Delhaye-Prat Vincent</b>
09:30	# 2186	Evidence of an atmospheric oxygenation event in the “Boring Billion” period provided by trace element content of sedimentary pyrite in Proterozoic black shales <b>Ms. Indrani Mukherjee</b>
09:45	# 1382	Pyritic event beds and sulfidized Fe (oxyhydr)oxide aggregates in organic-rich black mudstones of the Paleoproterozoic Talvivaara formation, Finland <b>Dr. Joonas Virtasalo</b>

**Friday - Session 16**  
**T28.16 - Megafans**  
**MR 1.43 - 1.44**

**10:30–12:00**

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 5204	Africa’s Megafans and their tectonic habitat <b>Dr. Justin Wilkinson (KEYNOTE SPEAKER)</b>
11:00	# 5646	Megafans of the Northern Kalahari Basin <b>Dr. Justin Wilkinson</b>
11:15	# 1549	Seasonal deposition and post-depositional modification under semi-arid conditions of the Tertiary, low-gradient Cubango Megafan, northern Namibia <b>Dr. Roy Miller</b>
11:30	# 5647	Megafans of the Gangetic plains: a review of decades of research <b>Prof. Rajiv Sinha</b>
11:45	# 5645	Linking spatial and temporal biological diversity to megafan formations using remote sensing techniques space-based technologies <b>Mr. H. Mills</b>

**Friday - Session 15**  
**T29.15 - New insights into the evolution of the East African and Arabian rift systems from multidisciplinary data and numerical models**  
**Auditorium 2**

**08:00–10:00**

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 3688	The Lake Albert Rift (Uganda, East African Rift System): Deformation, basin and relief evolution since 17 Ma <b>Brendan Simon</b>
08:15	# 4221	New active-source seismic imaging of the Malawi (Nyasa) Rift from the SEGMeNT project <b>Dr. Donna Shillington</b>
08:30	# 4212	What’s melt got to do with it? Constraints on the thermomechanical state of the upper mantle beneath two end member localities in the East African Rift System using seismic observables <b>Ms. Natalie Accardo</b>
08:45	# 4648	Tracking the Onset of Plume Volcanism in the Southern East African Rift <b>Mr. Gary Mesko</b>
09:00	# 1820	Modeling along-axis variations in fault architecture in the Main Ethiopian Rift: implications for Nubia-Somalia kinematics. <b>Mr. Asfaw Erbello</b>

**Friday - Session 16**  
**T29.16 - New insights into the evolution of the East African and Arabian rift systems from multidisciplinary data and numerical models / Unravelling the history of cratonic sedimentary basins**  
**Auditorium 2**

**10:30–12:00**

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 5189	Tectonic evolution of sedimentary basins of northern Somalia <b>Dr. Mohammed Ali</b>
10:45	# 4681	Low deformation rate in an « incipient rifting zone »: the Okavango Basin <b>Mrs. Anne-Morwenn Pastier</b>
11:00	# 133	Najd Wrench Fault System and Dead Sea Shear Zone in the Arabian Plate: Like Father Like Son <b>Dr. Ali T. Al-Mishwat</b>
11:15	# 5355	Detrital zircon provenances and geodynamic evolution of the Congo Basin <b>Dr. Bastien Linol</b>
11:30	# 5471	The subsurface structure of the Congo basin: Gravity signatures, isostatic anomaly and seismic constraints <b>Mr. Chengdong Liu</b>
11:45	# 2091	Late Cretaceous-Cenozoic intraplate deformation in Congo basin: effect of the South-Atlantic opening? <b>Dr. Damien Delvaux</b>



## Friday - Session 17

14:00–15:30

## T29.17 - Unravelling the history of cratonic sedimentary basins

Auditorium 2

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 5218	An integrated geological and geophysical study of the Parnaíba cratonic basin, North-East Brazil <b>Prof. Anthony Brian Watts</b>
14:15	# 5599	Unravelling the geology beneath the Meso-Cenozoic sedimentary cover of the intracratonic Paris Basin - Part 1: new insights from seismic and potential field methods <b>Dr. Laurent Beccaletto</b>
14:30	# 5496	An Integrated analysis of a Ployphase IntraCONTinental Sag (ICONS) Basin: the Mekelle Sedimentary Basin in Ethiopia <b>Dr. Bastien Linol</b>
14:45	# 5171	Parnaíba Basin: one of the great interior synclises of Western Gondwana <b>Prof. Francisco Jose Correa-Martins</b>
15:00	# 2847	Initiation of Tarim basin in the northwest of China <b>Dr. Bizhu He / Dr. Cunli Jiao / Prof. Taizhu Huang / Prof. Zhiqin Xu</b>
15:15	# 3707	New look at the boundary of Precambrian and Palaeozoic Europe – recent deep seismic data from the SW margin of the East European Craton in Poland <b>Prof. Piotr Krzywiec</b>

## Friday - Session 15

08:00–10:00

## T30.15 - Dynamic Africa: integrating constraints on the post-Gondwana topographic evolution of Africa and adjacent continents from the core mantle boundary

Auditorium 1

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 4113	The African Surface (85-45 Ma): A record of mantle deformations at the scale of a continent since 35 Ma <b>Prof. François Guillocheau (KEYNOTE SPEAKER)</b>
08:30	# 964	Why continents uplift? <b>Prof. Eugenio Carminati</b>
08:45	# 3681	Understanding Continental Uplift through Watershed Analysis <b>Dr. Thomas Blenkinsop</b>
09:00	# 515	Episodic burial and exhumation of the southern margin of Africa before and after breakup <b>Dr. Paul Green</b>
09:15	# 1948	Burial and exhumation history of southernmost Norway: epeirogenic uplifts before and after NE Atlantic break-up <b>Dr. Peter Japsen</b>
09:30	# 2007	Geodynamics of passive margins: insights from the DFG Schwerpunktprogramm SAMPLE for the South Atlantic and beyond <b>Prof. Hans-Peter Bunge</b>
09:45	# 3578	Dynamics of the Afro-Arabian Rift: new insights from shear-wave splitting <b>Dr. Walter Mooney</b>

## Friday - Session 15

08:00–10:00

## T30.15a - Geo-hazards and Sustainable Development under climate change scenario

Westin - Ballroom East

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 200	Heavy metal Contamination in Industrial Area in and around Hyderabad City; Hydrogeological and Hydrogeochemical Studies of the Chinnaeru River basin, Sub - Basin of Musi River in the Northern Parts of Nalgonda District, Telangana State, India. <b>Dr. Ganaboina Machender</b>
08:15	# 318	Compressive and shear strength as quality control for some soil materials under different depths, Nile Delta, Egypt. <b>Dr. Ali Ismail</b>
08:30	# 514	Hypothesis of a Thin Methane Gas-sphere between Earth's Crust and Mantle <b>Prof. Zhong-Qi Quentin YUE</b>
08:45	# 761	Scenario of Secondary Hazard due to Liquefaction over National Capital Territory, Delhi, India - A case study <b>Dr. Mandal H.S.</b>
09:00	# 1544	Kedarnath flash-flood tragedy of 2013 : a testimony of climate change caused extreme events in the Himalaya <b>Dr. Bhanu Prasad Naithani</b>
09:15	# 2057	The investigation and rehabilitation of the Pretorius Avenue sinkhole in Lyttelton Manor, Centurion <b>Mr. John Stiff</b>
09:30	# 3026	Liquefaction Susceptibility of Marine Sediments and Soil Cover of Mumbai Urban Agglomeration <b>M Chandradas / P. T. Ilamkar / M. S. Bodas / A. K. Chatterjee / P. M. Fulzule / M. K. Devarajan</b>
09:45	# 3185	Environmental Impact Assessment of Drilling Waste <b>Dr. Javad Tabatabaei</b>



# Friday 2 September

## Friday - Session 15

08:00–10:00

### T30.15b - The Tectonic Evolution of Gondwana IGCP 628 Westin - Ballroom West

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 5049	Gondwana tectonic evolution recounted through the Gondwana map – IGCP-628 <b>Dr. Renata S. Schmitt (KEYNOTE SPEAKER)</b>
08:30	# 1782	On constraining the Pan-African high-grade metamorphism time of the Larsemann hills, East antarctica <b>Dr. Liudong Ren</b>
08:45	# 982	Tectonic Provinces of East Antarctica <b>Dr. German Leitchenkoy</b>
09:00	# 987	Testing Azania: Using Detrital Zircon U-Pb Ages and Hf Isotopic Record to Constrain Tectonic Affinities Within the East African Orogen <b>Prof. Alan Collins</b>
09:15	# 612	Origin and tectonic evolution of the NE basement of Oman - a window into the Neoproterozoic accretionary growth of India? <b>Mr. Brandon Alessio</b>
09:30	# 2314	A review of the tectonic history of the Amazonian Craton <b>Dr. Umberto Cordani</b>
09:45	# 1943	Geotectonic setting and paleogeography of a c. 565 Ma old Cadomian glaciation in NW Gondwana constrained by zircon U-Pb ages, Hf isotopes, and peri-Gondwanan zircon provinces <b>Prof. Dr. Ulf Linnemann</b>

## Friday - Session 15

08:00–10:00

### T30.15c - Secular change in Earth evolution Westin - Marco Polo

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 1606	Melting sediment and subducting bacteria: exploring the connection between the Great Oxidation Event and the rise of $\delta^{18}O$ in zircon <b>Dr. Christopher Spencer</b>
08:15	# 4638	Tectonic influences on the development of the continental crust <b>Prof. Mike Daly / Prof. Chris Hawkesworth</b>
08:30	# 3500	Crustal evolution and the temporality of anorthosites <b>Prof. Lewis D. Ashwal (KEYNOTE SPEAKER)</b>
09:00	# 3598	Conditioned duality of the Earth system via the supercontinent cycle <b>Prof. Martin Van Kranendonk (KEYNOTE SPEAKER)</b>
09:30	# 4615	The detrital zircon record of Earth's evolving surface environment. <b>Dr. Ryan McKenzie (KEYNOTE SPEAKER)</b>

## Friday - Session 16

10:30–12:00

### T30.16 - Dynamic Africa: integrating constraints on the post-Gondwana topographic evolution of Africa and adjacent continents from the core mantle boundary Auditorium 1

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 3941	Post rift evolution of the Indian margin of southern Africa <b>Guillaume Baby</b>
10:45	# 1451	Long-term, deep-mantle support of the Ethiopia-Yemen Plateau: implication for mantle dynamics <b>Prof. Claudio Faccenna</b>
11:00	# 2690	The Dynamic Topography of Madagascar: A Cenozoic History of Uplift and Erosion <b>Mr. Simon Stephenson</b>
11:15	# 3209	On the Relationship Between Volcanic Hotspot Locations, the Reconstructed Eruption Sites of Large Igneous Provinces and Deep Mantle Seismic Structure. <b>Dr. Rhodri Davies</b>
11:30	# 2551	Lithospheric and Sub-lithospheric Upper Mantle Structure of Africa from Full Wave Long-Period Ambient Noise Tomography <b>Dr. Erica Emry (KEYNOTE SPEAKER)</b>

## Friday - Session 16

10:30–12:00

### T30.16a - Geo-hazards and Sustainable Development under climate change scenario Westin - Ballroom East

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 3483	Experience of compiling a complex geohazard map at 1: 200 000 scale for cross-border areas of Tajikistan and Afghanistan (under the TAPRI United Nations Development Programme) <b>Dr. Viktor Snezhko</b>
10:45	# 5092	Identification of expansive soils applied to land use planning in Montevideo, Uruguay <b>Mr. Sebastián Huelmo</b>





11:00	# 5402	Management of mine water and AMD challenges using river water catchment area and Geo-environmental provinces approach, South Africa <i>Dr. Bisrat Yibas (KEYNOTE SPEAKER)</i>
-------	--------	--

**Friday - Session 16****10:30–12:00****T30.16b - The Tectonic Evolution of Gondwana IGCP 628  
Westin - Ballroom West**

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 4308	Detrital zircon ages of Ediacaran and Early Cambrian successions at the edge of the Río de la Plata Craton (Uruguay) reveal contrasting geotectonic settings <i>Dr. Claudio Gaucher</i>
10:45	# 646	The Malvinas Islands: Did the rotated Lafonian Microplate collide in the Palaeozoic with the South American continental margin? <i>Dr. Victor A. Ramos</i>
11:00	# 2525	Understanding the onset of Andean subduction: New Sr and Nd isotopic data from late Paleozoic to late Triassic magmatism in northern Chile <i>Dr.(c) Osvaldo González-Maurel</i>
11:15	# 4179	Devonian accretion south of Chilenia <i>Dr. Francisco Hervé</i>
11:30	# 164	The enigmatic Hastings Block - history of emplacement and subsequent deformation <i>Dr. Paul Lennox</i>
11:45	# 2828	First direct evidence of Pan-African orogeny associated with Gondwana assembly in the Cathaysia Block of southern China <i>Dr. Longming Li</i>

**Friday - Session 17****14:00–15:30****T30.17 - Dynamic Africa: integrating constraints on the post-Gondwana topographic evolution of Africa and adjacent continents from the core mantle boundary  
Auditorium 1**

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 2056	Data assimilation in global mantle flow models: theory, computation and uncertainties to restore global mantle flow back in time <i>Prof. Hans-Peter Bunge</i>
14:15	# 3559	Cenozoic surface dynamics of West Africa: Drainage, hot spot swell growth, erosion budget and offshore sedimentary record <i>Prof. Dominique Chardon</i>
14:30	# 3561	Opening of the Equatorial Atlantic Ocean and paleogeographic evolution of West Africa since the Early Mesozoic <i>Prof. Dominique Chardon</i>
14:45	# 1441	Rapid South Atlantic spreading changes and coeval vertical motion in surrounding continents: Evidence for temporal changes of pressure-driven upper mantle flow <i>Mr. Lorenzo Colli</i>
15:00	# 1442	Gravity, dynamic topography and mantle flow <i>Mr. Lorenzo Colli</i>

**Friday - Session 17****14:00–15:30****T30.17b - The Tectonic Evolution of Gondwana IGCP 628  
Westin - Ballroom West**

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 2664	Subduction, accretion and closure of Proto-Tethyan Ocean: Early Paleozoic accretion/collision orogeny in the Altun-Qilian-North Qaidam orogenic system, northern Tibet of China <i>Prof. Jianxin Zhang</i>
14:15	# 5421	Gold Mineralization in the Precambrian of Southern Ethiopia <i>Dr. Bisrat Yibas</i>
14:30	# 2082	Paleostress in Central Africa reveals the Late Paleozoic-recent evolution of Central Gondwana <i>Dr. Damien Delvaux</i>
14:45	# 4476	West Central Gondwana correlations and paleo-reconstruction of its main Phanerozoic continental basins <i>Dr. Bastien Linol</i>
15:00	# 2033	Magmatism on the SW Indian Ridge – Remelting the Gondwanan Mantle <i>Dr. Henry Dick</i>
15:15	# 4513	The history of the Gondwana continent and the chronology of break-up <i>Dr. John Bradshaw</i>

**Friday - Session 17****14:00–15:30****T30.17c - The geodynamics of Phanerozoic sea level change  
Westin - Marco Polo**

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 372	Analysis of Basin – Range Coupling Mechanisms during Epeirogenetic Uplift – A Case Study of Tectonic Coupling in the Songpan – Ganzi Plateau – Longmen Mountain – Sichuan Basin Region <i>Mr. Wei Long</i>



# Friday 2 September

14:15	# 1734	Middle Jurassic accretion of an exotic microcontinental fragment along the southeast China continental margin <b>Dr. Roderick Sewell (KEYNOTE SPEAKER)</b>
14:45	# 1454	Translation and rotation of crustal blocks in the southernmost Atlantic region prior to seafloor spreading: in search of a mechanism <b>Prof. Ian Dalziel (KEYNOTE SPEAKER)</b>
15:15	# 3461	Geodynamic evolution of the Gulf of Mexico, since late Triassic to Bajocian, based on palynological, paleontological, geophysics, tectonic data and metamorphic quartz origin for knowing its paleogeographic early history. <b>Dr. Jaime Rueda-Gaxiola</b>

## Friday - Session 15 T31.15 - Diamonds and Crustal Recycling into Deep Mantle Hall 4B3 08:00–10:00

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 2434	Western Yarlung Zangbo Ophiolites in South Tibet Formed in Forearc Setting: Evidence from Structure, Geochronology and Geochemistry <b>Mr. Fei Liu</b>
08:15	# 2173	Diamond-bearing Ophiolites and Their Geological Occurrence <b>Prof. Jingsui Yang</b>
08:30	# 3912	Multi-stage process of the Bulqiza chromitites, Eastern Ophiolitic Belt, Albania <b>Dr. Fahui Xiong</b>
08:45	# 3269	Ophiolite-hosted Type Ib microdiamonds: spectroscopic evidence for their natural origin <b>Dr. Karen Smit</b>
09:00	# 3266	Preservation of C centres in Ib diamonds due to rapid tectonic exhumation following Gondwana assembly: Re-Os age constraints of West African diamonds <b>Dr. Karen Smit</b>
09:15	# 3155	The Kokchetav Massif: Type locality of metamorphic diamonds <b>Dr. H.P. Schertl</b>
09:30	# 4041	The significance of zircon in oceanic mantle peridotites and chromitites <b>Dr. Paul T Robinson</b>
09:45	# 5568	Structure of the Baimarang massif from the Xigaze ophiolite, Yarlung Zangbo Suture Zone, Tibet, China <b>Dr. Yuan Li</b>

## Friday - Session 16 T31.16 - Deep Imaging of the Crust and Lithosphere beneath the Continent and its geodynamics Hall 4B3 10:30–12:00

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 3850	Microdiamonds in the Scandinavian Caledonides related to Ordovician continent-arc and Siluro-Devonian continent-continent collision <b>Prof. David G Gee</b>
10:45	# 4204	Application of "CRUST-1" Continental Scientific Drilling Rig in CCSD-SK-2 Scientific Drilling Engineering <b>Prof. Youhong Sun</b>
11:00	# 1698	Constraining residual topography by virtual deep seismic sounding (VDSS) <b>Prof. Wang-Ping Chen</b>
11:15	# 3361	Responding to the Indo-Asian collision: from the crust to the mantle <b>Dr. Mian Liu</b>

## Friday - Session 17 T31.17 - Deep Imaging of the Crust and Lithosphere beneath the Continent and its geodynamics Hall 4B3 14:00–15:30

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 4839	Mineral physics and surface observational constraints on the topographic uplift of the Southern African Plateau due to the African Superswell <b>Prof. Alan Menzel-Jones</b>
14:15	# 4260	Seismic and Magmatic Evidence for Crustal and Mantle Lithospheric Delamination under the Puna Plateau of the Central Andes <b>Prof. Suzanne Kay</b>
14:30	# 4974	Seismic structure of the crust in Eurasia <b>Prof. Hans Thybo</b>
14:45	# 1143	Crustal Structure Deformation in the Eastern Margin of the Tibetan Plateau constraints from Deep Seismic Reflection Profiles <b>Prof. Rui Gao</b>
15:15	# 93	Integrating Magnetic and Gravity for mapping the Earth Structure using color scheme: a case study of Botswana <b>Mr. Chikondi Chisenga / Miss Tamara Faith Kamanga</b>

## Friday - Session 15 T32.15 - Crust formation and recycling from the Hadean to the late Archaean: The transition to plate tectonics / The Barberton drilling project Hall 4B4 08:00–10:00

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 5294	Chronology of the oldest supracrustal sequences in the Palaeoarchaean Barberton Greenstone Belt, South Africa and Swaziland <b>Prof. Alfred Kroener</b>



08:15	# 5154	New apatite U-Pb thermochronological constraints on the development of granite-gneiss domes in the Mesoarchean eastern Pilbara craton <b>Mr. Scott MacLennan</b>
08:30	# 3807	Archaean volcano-sedimentary cyclicity in komatiite flow sequences at Schapenburg, Barberton Mountain Land, South Africa <b>Prof. Carl Anhaeusser</b>
08:45	# 976	Origin of basaltic magmas from the Neoarchean Qingyuan greenstone belt in the Eastern Block, North China Craton: Implications for geodynamic evolution <b>Dr. Zhuang Li</b>
09:00	# 5138	Archean volcano-sedimentary sequences in the Chitradurga schist belt, Dharwar craton, southern India <b>Dr. Madhusoodhan Satish-Kumar</b>
09:15	# 5247	Carbonaceous cherts of the Daitari Greenstone Belt, Singhbhum Craton, India: A well preserved record of early life. <b>Mr. Jaganmoy Jodder</b>
09:30	# 4183	Geology, petrology and geodynamic evolution of the Paleoarchean Onverwacht Group, Barberton greenstone belt, South Africa <b>Dr. Eugene Grosch (KEYNOTE SPEAKER)</b>

**Friday - Session 16****10:30–12:00****T32.16 - The Barberton drilling project / Early Earth Mineral Systems  
Hall 4B4**

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 4390	The origin of granular chert in the BARB3 drill core from the 3.4 Ga Buck Reef Chert, Onverwacht Group, Barberton Greenstone Belt, South Africa <b>Ms. Mmasetena Anna Molekwa</b>
10:45	# 5016	Carbonates from the ~3.4 Ga old Buck Reef Chert of South Africa: testing potential microbial activity in an Archean hydrothermal system <b>Mr. Francesco Greco</b>
11:00	# 4710	Sulfate in the Paleoarchean Oceans: insight from barite deposits and their surrounding sedimentary rocks in the Barberton Greenstone Belt <b>Dr. Paul Mason</b>
11:15	# 3803	The tectonic evolution of the main gold-producing region of the Barberton greenstone belt, South Africa <b>Prof. Carl Anhaeusser</b>
11:30	# 4028	The source of sulfur in the Mesoarchean gold deposits of the Barberton Greenstone Belt, southern Africa <b>Dr. Andrea Agangi</b>
11:45	# 3641	Neoarchean mineral systems in the lower continental crust of the North Atlantic Craton, Greenland <b>Dr. Jochen Kolb</b>

**Friday - Session 17****14:00–15:30****T32.17 - Early Earth Mineral Systems / Evolution of Archaean cratonic cover successions  
Hall 4B4**

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 878	Early Life and Ancient Gold <b>Prof. Hartwig Frimmel (KEYNOTE SPEAKER)</b>
14:30	# 822	Archean life on land <b>Dr. Gregory Retallack</b>
14:45	# 866	The Mid-Archaean Pongola Supergroup: volcanism, sedimentation and early life development on Earth's oldest stable continental margin <b>Prof. Allan Wilson</b>
15:00	# 5222	Kaapvaal, Superior and Wyoming: nearest neighbours in supercraton Superia <b>Dr. Wouter Bleeker</b>
15:15	# 3938	Geology of the Archean Busia-Kakamega Greenstone Belt, Western Kenya <b>Dr. Tim Sharp</b>

**Friday - Session 15****08:00–10:00****T33.15 - Proterozoic magmatic processes; insights into the crustal growth and accretionary events in diverse tectonic settings  
MR 1.62**

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 640	Genesis and petrology of Late Neoproterozoic pegmatites and aplites associated with the Taba metamorphic complex in southern Sinai, Egypt <b>Prof. Mokhles Azer</b>
08:15	# 1495	New SHRIMP age and microstructures from a deformed A-type granite, Kanigiri, southern India: constraining hiatus between orogenic closure and post-orogenic rifting <b>Mr. Arnab Sain</b>
08:30	# 2616	Sr, Nd isotopes and geochemistry of the western Nuba Mountains low-grade metavolcanics (Sudan): New evidence for Neoproterozoic arc magmatism on the eastern Saharan Metacraton <b>Mr. Montasir Ibinoof</b>
08:45	# 1822	Geology and geochemistry of the Kanda Kanda tonalite – trondjemite – granite grey gneisses in the Kasai Archaean craton (D. R. Congo) <b>Dr. Francois Toto Lubala</b>



09:00	# 4737	Lithofacies analysis of a Palaeoproterozoic (2.06 Ga) silicic large igneous province dominated by lava-like, rheomorphic ignimbrites – the Rooiberg Group, Kaapvaal Craton, South Africa. <b>Mr. Samson Masango</b>
09:15	# 3482	Typomorphic mineralogy of the Vattikod lamproites from Mesoproterozoic Ramadugu Lamproite Field, Nalgonda District, Telangana, India: A plausible manifestation of subduction-related alkaline magmatism in the Eastern Ghats Mobile Belt? <b>Dr. Gurmeet Kaur</b>
09:30	# 4499	Fennoscandia, Sarmatia and Volgo-Uralia: the building stones of the East European Craton <b>Prof. Nataliya Lubnina</b>
09:45	# 4574	Evolution of the eastern Arabian basement - geochronologic and isotopic constraints from Socotra and basement inliers in Oman. <b>Prof. Martin Whitehouse</b>

## Friday - Session 16 T33.16 - Proterozoic Sedimentary Environments MR 1.62

10:30–12:00

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 1492	Atmospheric conditions at the Archean-Paleoproterozoic boundary: Geochemical studies from Central India <b>Dr. Sarada Prasad Mohanty</b>
10:45	# 1013	Shallow marine siliciclastics to pelagic chert in a Paleoproterozoic ophiolite complex, southern India. <b>Prof. Dilip Saha</b>
11:00	# 2134	Multiple carbon burial episodes and isotope excursions in the aftermath of the Palaeoproterozoic Great Oxidation Event <b>Dr. Adam Martin</b>
11:15	# 3392	Bitter Spring C-isotope anomaly in the Vindhyan Supergroup, Rajasthan, India <b>Dr. Jyotiranjay Ray</b>
11:30	# 657	The sedimentology of the Paleoproterozoic Deutschland Formation (Transvaal Supergroup, South Africa): new insights from Langbaken 340KS <b>Mr. Matthew Warke</b>
11:45	# 3533	The Sedimentology of the Rooihoogte Formation of the Transvaal Supergroup in the Carletonville area, South Africa. <b>Ms. Sabiyah Zardad</b>

## Friday - Session 17 T33.17 - Proterozoic Sedimentary Environments MR 1.62

14:00–15:30

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 3801	Geochemistry of a paleoweathering profile on the “bostonite” mafic intrusives of Avontuur Deposit, Northern Cape <b>Ms. Batobeleng Monareng</b>
14:15	# 2624	The enigma of the missing large regional erosional unconformity at the base of Marinoan Snowball Earth successions (northeastern Namibia) <b>Dr. Thilo Bechstaedt</b>
14:30	# 2084	Origin of Neoproterozoic iron formations in Namibia and Australia <b>Mr. Maxwell Lechte</b>
14:45	# 4207	Mechanism of the late Cryogenian large scale Mn-mineralisation in Nanhua Basin, South Chinaa <b>Dr. Xiang Kun Zhu</b>

## Friday - Session 15 T38.15 - HP-UHP metamorphism and tectonic evolution of orogenic belts Westin - Diaz & Da Gama

08:00–10:00

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 3409	Variscan-style UHPM belts: high pressures at different temperatures, high temperatures at different pressures, and crustal relamination <b>Prof. Patrick O'Brien</b>
08:15	# 2528	The tectonic evolution of UHP metamorphic belt of SW Tianshan, China <b>Prof. Lifei Zhang</b>
08:30	# 326	Partial melting of HP mafic granulites and tectonic evolutions of the Himalayan orogen <b>Dr. Zeming Zhang</b>
08:45	# 970	Early Paleozoic polyphase metamorphism and orogenesis in northern Tibet, China <b>Prof. Jianxin Zhang</b>
09:00	# 903	Phase Equilibria in High- and Ultrahigh-pressure Eclogites <b>Prof. Chunjing Wei</b>
09:15	# 1481	Geochemical evidence for the metasomatic origin of pyrope quartzite in Western Alps <b>Dr. Yi-Xiang Chen</b>
09:30	# 2167	Nb-Ta mobility and fractionation during exhumation of UHP eclogite from southwestern Tianshan, China <b>Dr. Zhang Lijuan</b>
09:45	# 4326	Archean Hot Subduction: Evidences from the Complexes in the Area of Northwest Hebei, China <b>Dr. Yongshun Liu</b>



**Friday - Session 16****10:30–12:00****T38.16 - HP-UHP metamorphism and tectonic evolution of orogenic belts****Westin - Diaz & Da Gama**

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 2260	High-pressure metamorphism of subducted passive continental margins: Tavsanli Zone in Turkey and Oman <i>Prof. Aral Okay</i>
10:45	# 3154	Jadeitites and related HP-rocks from the Rio San Juan Complex, Dominican Republic: Petrological characterization and archaeological implications <i>Dr. H.P. Schertl</i>
11:00	# 2898	High-pressure metasomatism in the mantle wedge: insight from the Ti-clinohumite-bearing ultramafic rocks of the Maksyutov Complex, south Ural Mountains, Russia <i>Prof. Alexey Perchuk</i>
11:15	# 666	The Russian Belomorian eclogite, not the Archean eclogite, but the oldest Paleoproterozoic eclogite related to continental collision <i>Dr. Huanglu Yu</i>
11:30	# 4535	Fluid activities during oceanic subduction recorded by garnet oxygen isotopes <i>Dr. Guibin Zhang</i>
11:45	# 3171	Metamorphic complexes of Zheltavsky Precambrian massif (Southern Kazakhstan) <i>Mrs. Anfisa Pilitsyna</i>

**Friday - Session 17****14:00–15:30****T38.17 - HP-UHP metamorphism and tectonic evolution of orogenic belts****Westin - Diaz & Da Gama**

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 1463	Thermal structure of the Dabie eclogite-bearing terrane revealed from the results of the Ti-in-zircon thermometry <i>Profesor Jingbo Liu</i>
14:15	# 787	The petrological and geochronological studies on the eclogite and its country rock schists in the Sumdo area, Tibet, China <i>Dr. Cong Zhang</i>
14:30	# 1250	Oblique convergence along plate boundaries led to formation of the “paired metamorphic belts” in Chinese SW Tianshan <i>Dr. Bin Xia</i>

**Friday - Session 15****08:00–10:00****T41.15 - Geological History and Mineral Resources of the Circumpolar Arctic / Precambrian Geology of Antarctica / Geological History and Mineral Resources of the Circumpolar Arctic / Precambrian Geology of Antarctica****MR 2.64 - 2.66**

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 5172	New tectonic map of the Arctic <i>Dr. Sergey Drachev</i>
08:15	# 5106	The Russian Arctic sedimentary basins and their prospects for hydrocarbons <i>Dr. Sergey Drachev</i>
08:30	# 5487	Late opening of the Amerasia ocean basin following arrival of HALIP plume? <i>Dr. Wouter Bleeker</i>
08:45	# 3814	Tectonics of Wrangel Island, Russian Arctic <i>Prof. Sergey Sokolov</i>
09:00	# 3629	Pan-African syenites and A-type granites in the Sør Rondane Mountains, Antarctica <i>Prof. Marlina Elburg</i>
09:15	# 129	Geological mapping and U-Pb and Sm-Nd chronology of the Rauer Group Islands (East Antarctica) <i>Dr. Nikolay Alexeev</i>
09:30	# 4158	Lamprophyres and K-rich Plutonic Rocks from Schirmacher Oasis, East Antarctica: Magma Source and Related Issues <i>Dr. Kirtikumar Randive</i>
09:45	# 4882	Nature and extent of a Tonian Oceanic Arc Super Terrane (TOAST) in eastern Dronning Maud Land, East Antarctica: integrating geology and geophysics <i>Dr. Marlina Elburg</i>

**Friday - Session 16****10:30–12:00****T41.16 - Precambrian Geology of Antarctica****MR 2.64 - 2.66**

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 195	Comparison of Sr-Nd isotope data from southern Africa and Dronning Maud Land, Antarctica. <i>Dr. Geoffrey Grantham</i>
10:45	# 2121	Unveiling East Antarctica and its supercontinental linkages with geophysical imaging <i>Dr. Fausto Ferraccioli</i>
11:00	# 1786	Pressure-temperature-time path and timing of Cl-bearing fluid infiltration to the upper-amphibolite to granulite facies metamorphic rocks at Perlebandet, Sør Rondane Mountains, East Antarctica <i>Dr. Tetsuo Kawakami</i>
11:15	# 5478	Oxygen isotope evidence for growth of zircon in metacarbonate rocks from Sør Rondane Mountains, East Antarctica <i>Dr. Madhusoodhan Satish-Kumar</i>



## Friday 2 September

11:30	# 5527	Geochemistry of granitoid sheets found in HU Sverdrupfjella, Western Dronning Maud Land, East Antarctica <b>Mr. Erasmus P. Burger</b>
11:45	# 1161	In situ U-Pb-Hf isotope analyses of the ultra-high temperature metapelite from Mather Peninsula, east Antarctica <b>Prof. Yanbin Wang</b>

### Friday - Session 17

14:00–15:30

#### T41.17 - Antarctic Earth Science / Precambrian Geology of Antarctica MR 2.64 - 2.66

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 5363	A Geochemistry Of The Straumnsnutane Lavas (Jutulstraumen Group) In Western Dronning Maud Land, Antarctica And The Espungabera Lavas (Mkondo Group) In Central Mozambique: Evidence For Comagmatic And Continental Emplacement. <b>Mr. Neo Moabi</b>
14:15	# 3203	Age and source of the Hanson Formation—unlocking the Early Jurassic history of the paleo-Pacific margin of Gondwana <b>Mr. Demian Nelson</b>
14:30	# 5383	Early-Middle Jurassic Mafic Dykes from the H.U. Sverdrupfjella, Antarctica <b>Mr. Mabuela Morake</b>
14:45	# 2132	Petrogenetic overview of the rifted, Southern Victoria Land lithospheric mantle, Antarctica <b>Dr. Adam P. Martin</b>
15:00	# 2762	Anomalous Features within the Mantle Transition Zone of Antarctica and their Relationship to Volcanism and Surface Topography <b>Dr. Erica Emry</b>
15:15	# 504	Quantitative analysis of periglacial lake sediments from Schirmacher Oasis, East Antarctica: implications for Late Quaternary depositional environment <b>Mr. Prakash Kumar Shrivastava</b>

### Friday - Session 15

08:00–10:00

#### T42.15 - Surficial Processes and Landscape Evolution Westin - Prince Edward/Schappen

TIME	PAPER #	PAPER TITLE & AUTHOR
08:15	# 3001	High Barium Flux from Gomati River Basin (Ganga Alluvial Plain) and its implications to Ganga Fluvial System <b>Shahina Siddiqui</b>
08:30	# 4069	Origin of in situ Quartz Silt from quartzite weathering, Shillong Plateau (India) <b>Ms. Shimyaphy R V S</b>
08:45	# 4329	Chemical weathering and CO2 consumption rate in the Liaohe river basin, Northeast of China <b>Dr. Yang Chen</b>
09:00	# 4258	Extensional tectonics control on Quaternary drainage migration and sedimentation in the das Cinzas River Basin, Paraná state, Brazil <b>Dr. Marcilene Dos Santos</b>

### Friday - Session 15

08:00–10:00

#### T43.15 - Rock Deformation and Structural Geology Westin - Sir Francis Drake

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 1859	Deformation patterns in the Bagalkot Group of rocks in the intracratonic Kaladgi basin, south western India: A case of Mesoproterozoic gravity gliding of the cover over the basement during basin uplift <b>Dr. Mrinal Kanti Mukherjee</b>
08:15	# 2862	Stress rotation, scale invariance and the locked in stress <b>Dr. Gerrie van Aswegen (KEYNOTE SPEAKER)</b>
08:45	# 3252	Deformation of the Paleocene-Eocene volcano sedimentary sequence along the Lower Siang Valley in East Siang district, Arunachal Pradesh, India <b>Mondip Sarma / Tapos Goswami</b>
09:00	# 1194	Three Pagoda Fault Zone of the Kanchanaburi region interpreted from airborne geophysical data <b>Dr. Dhiti Tulyatid</b>
09:15	# 4149	3D microfabric analysis of progressive, polyphase subglacial deformation beneath the late Weichselian Baltic Ice Stream (Scandinavian Ice Sheet, Europe) <b>Dr. Heiko Huneke</b>

### Friday - Session 16

10:30–12:00

#### T43.16 - Rock Deformation and Structural Geology Westin - Sir Francis Drake

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 1061	Structural Analysis and Implicit 3D Modelling of High-Grade Host Rocks to the Venetia Kimberlite Diatremes, Central Zone, Limpopo Belt, South Africa <b>Dr. Ian Basson</b>
10:45	# 627	Upper Cretaceous-Tertiary strike-slip tectonics in NE Libya: evolution within dextral splay duplex structure <b>Dr. Maher El Amawy</b>
11:00	# 5019	The Record of Subduction and Collision along the Southern Marginal Zone of the Damara Orogen <b>Mr. Michael Hartnady</b>



11:30	# 4015	Caledonides to Cascades Connections: Tectonic evolution of Paleozoic terranes in NW Washington, USA <i>Dr. Elizabeth Schermer</i>
-------	--------	--

**Friday - Session 15****08:00–10:00****T44.15 - Palaeontology and Palaeo-anthropology  
Roof Terrace**

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 4885	Angolan fossil vertebrates and geotectonic influences inform Cretaceous and Cenozoic paleoenvironments of Africa <i>Dr. Louis Jacobs</i>
08:15	# 2849	Use of morphometric data in taxonomy and functional morphology: a case study of modern and Cretaceous diving birds <i>Dr. Alyssa Bell</i>
08:30	# 5344	Thylacocephalan arthropods from the Upper Devonian of Poland. <i>Mr. Krzysztof Broda</i>
08:45	# 5462	The influence of coastal and marine geology on archaeological occupation in Pondoland: the South African Wild Coast <i>Dr. Hayley Cawthra</i>
09:00	# 4903	Biogeographic mixing in the Maastrichtian of Angola <i>Dr. Louis Jacobs</i>
09:15	# 2970	Geoarchaeology of the Douglas Korongo East and Bell's Korongo East sites, Olduvai Gorge: Preliminary results <i>Dr. Cynthia M. Fadem</i>

**Friday - Session 15****08:00–10:00****T46.15 - Volcanism in Africa  
Westin - Seal/Robben**

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 4070	The geochemical criteria of plume origin for Cenozoic volcano-rocks, Main Ethiopia Rift(MER): A review <i>Prof. Huazhpu Yao</i>
08:15	# 1225	Using lake cores and terrestrial tephra as a record of Holocene volcanism in the Central Main Ethiopian Rift <i>Ms. Keri McNamara</i>
08:30	# 4434	Contemporary volcanic hazards in the Main Ethiopian Rift <i>Dr. Karen Fontijn</i>
08:45	# 1959	The role of fractional crystallization and magma mixing in the geochemical and mineralogical evolution of silicate rocks at the Oldoinyo Lengai volcano (northern Tanzania) <i>Ms. Anna Balashova</i>
09:00	# 4706	The Nsenga Tephra eruption of the Ngozi caldera, SW Tanzania <i>Mr. Gert-Jan Peeters</i>

**Friday - Session 16****10:30–12:00****T46.16 - Volcanic landforms and sedimentary processes / Volcanology  
Westin - Seal/Robben**

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 3827	Liberating water during volcano collapse <i>Dr. Audray Delcamp</i>
10:45	# 4440	Architecture of lavas from Deccan Volcanic Province, India and its implications <i>Dr. Vivek Kale</i>
11:00	# 1321	Integrated gravity and magnetics as a tool for investigating the Neogene- Quaternary volcanism of East Carpathians <i>Dr. Lucian Besutiu</i>
11:15	# 1582	Recent contributions of gravimetry to studying volcanic unrest or reactivation <i>Dr. Peter Vajda</i>
11:30	# 3523	Characterization and significance of intrusive rocks in geothermal reservoirs <i>Mr. Emmanuel Ngetich</i>
11:45	# 2164	A multidisciplinary study on the Xiangshan uranium-bearing caldera structure: evidences from anisotropy of magnetic susceptibility and gravity modeling <i>Dr. Guangrong Li</i>

**Friday - Session 15****08:00–10:00****T47.15 - Early Paleozoic World  
Reg Foyer 1**

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 2472	A new approach to quantifying stratigraphic resolution, integrating chemostratigraphic data, and testing global stratotypes <i>Dr. Junxuan Fan (KEYNOTE SPEAKER)</i>
08:30	# 1099	Chemostratigraphy of the Ediacaran-Cambrian Lesser Himalaya, India, Eastern Gondwana, and correlation with South America, Western Gondwana <i>Prof. Vinod Tewari</i>
08:45	# 4100	New carbon isotope data on the Precambrian-Cambrian interval of the Tommotian stage hypostratotype - Isit' Section (Lena River, Siberian Platform) <i>Dr. Pavel Parkhaev</i>



## Friday 2 September

09:00	# 1654	Multiproxy approach and HI-RES stratigraphy: Contrasting examples of degree of precision attained in correlation of mid-Palaeozoic strata <b>Dr. Ladislav Slavik</b>
09:15	# 4577	Ordovician conodonts of the South Urals: biogeographic affinity of the East European Platform's eastern margin <b>Dr. Tatiana Tolmacheva</b>
09:30	# 5156	Katian (Upper Ordovician) – Aeronian (Lower Silurian) carbon isotope excursions in South China <b>Prof. Junxuan Fan</b>
09:45	# 4085	Regional Framework for the distribution of LCT and NYF signature in Zambeian pegmatites, Mozambique <b>Dr. João Reynolds Marques</b>

### Friday - Session 16

10:30–12:00

**T47.16 - Phanerozoic Earth History, Stratigraphy and the Geologic Time Scale / Cretaceous time scale and sea-level changes, and Cretaceous Asia-Pacific Ecosystems (IGCP 609, IGCP 608, ICDP Songliao basin) -- Part 1 / Anthropocene: Utility and Definition / Phanerozoic Earth History, Stratigraphy and the Geologic Time Scale Reg Foyer 1**

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 4745	The Ordovician of the west Sørkapp Land (Southern Spitsbergen) <b>Dr. Tatiana Tolmacheva</b>
10:45	# 2685	Greenhouse sea-level changes: Growing evidence for aquifer-driven eustasy <b>Prof. Michael Wagreich</b>
11:00	# 1905	Early mining geochemical anomalies at around 3000 years BP as a potential stratigraphic marker for the base of an early Anthropocene <b>Prof. Michael Wagreich</b>
11:15	# 552	Conodont zonation for the Lower Triassic of western Tethys - a case study from Slovenia <b>Dr. Tea Kolar-Jurkovšek</b>

### Friday - Posters

12:00:00–14:00:00

**T8.P5 - Geohazards Exhibition**

PAPER #	PAPER TITLE & AUTHOR
# PB01	Study of possible tsunamigenic seismic sources for the French coast (Atlantic and English Channel) <b>Dr. Monique Terrier</b>
# PB02	Study on Regularity of Typical Landslide Stability Variation and Influencing Factors with Drawdown of Reservoir Water Level <b>Dr. Yin Xiaomeng</b>
# PB03	Shearing rate effect on residual strength of slip soils and its influence on the deformation characteristics of landslides <b>Dr. Lunan Wang</b>
# PB04	Seismic geomorphology of mass transport deposits influenced by halokinesis: insights from the Levant Basin, offshore central Israel <b>Dr. Nicolas Waldmann</b>
# PB05	A Very Large Displacement Rockslide in the Three Gorges Reservoir Area <b>Dr. Zhang Yu / Prof. Guangli Xu / Dr. Weina Li / Dr. Shuang Feng</b>
# PB06	Residual pore pressure analysis of Shuping landslide in Three Gorges Reservoir, China <b>Dr. Weina Li</b>
# PB07	Evidences of a Middle Pleistocene rock avalanche in L'Aquila Basin (central Apennines, Italy) <b>Dr. Gabriele Scarascia-Mugnozza</b>

### Friday - Posters

12:00:00–14:00:00

**T9.P5 - Proximal and Remote Sensing Technologies Exhibition**

PAPER #	PAPER TITLE & AUTHOR
# PB08	The Study on the Mechanism for Weak Anomaly Spectral Response of Porphyry Copper Mineralization Alteration <b>Mrs. Zhifang Zhao</b>
# PB09	Geological and geomorphological mapping with digital mono- and 3D stereo-photogrammetry. <b>Prof. Silvio Seno</b>
# PB10	Using GIS to Evaluate Lake Palestine and Potential Impacts of Raw Water Withdrawal for an Expanding Population <b>Mr. Ryan Michell</b>

### Friday - Posters

12:00:00–14:00:00

**T18.P5 - Mineral Deposits and Ore Forming Processes Exhibition**

PAPER #	PAPER TITLE & AUTHOR
# PB11	Multivariate classification and quantification of sedimentary rocks analysed using stand-off Laser-Induced Breakdown Spectroscopy system <b>Dr. Pavel Pořízka</b>





# PB12	Geological characterization of the Evate carbonatite <b>Mr. Fabio Masotti</b>
# PB13	Structural Setting and Geometry of the Kapsteveld North and South Deposits Kolomela Mine, South Africa <b>Dr. Ian Basson</b>
# PB14	Ages of hydrothermal overprints in the Kiruna iron oxide-apatite ores as recorded in secondary monazite and xenotime <b>Dr. Ulf B. Andersson</b>
# PB15	Geological features in and around the Kiirunavaara ore body, northernmost Sweden, and some implications <b>Dr. Ulf B. Andersson</b>
# PB16	Mineral potential of the Far Eastern seas of Russia and the prospect of its development <b>Dr. Svetlana Babaeva</b>
# PB17	Sulphide and PGE distribution in the 'Flatreef' at Turfspruit, Northern Limb of the Bushveld Complex, South Africa <b>Ms. Jarlen Beukes</b>
# PB18	Mineralogy and formation conditions of the Au-Ag epithermal deposit Nová Baňa (Slovakia) <b>Dr. Khulan Berkh</b>
# PB19	The Ba-Sr ore deposits of the Neuquén Basin, SW Argentina <b>Dr. Raúl Ernesto De Barrio</b>
# PB20	Investigation, Characterisation, and Evaluation of Thorium Deposits in South Africa <b>Mrs. Matamba Tsanwani / Mrs Tshilidzi Mudau</b>
# PB21	Evidence for post magmatic hydrothermal fluids circulation through Nana anorogenic complex granites: transformation of feldspar into biotite (annite) and rare metals (Y, Zr, La, Ce, Nd) enrichment. <b>E Njonfang</b>
# PB22	Zinc isotopes in sphalerite from Bianjia mineral system in Da Hinggan Mountains, China <b>Prof. Y. Yang</b>
# PB23	Polymetallic mineralizations in the Fueguian Collisional Orogen, Southern Patagonia, Argentina: Syngentic or epigenetic deposits? New metallogenic insights <b>Dr. Eduardo Zappettini</b>

## Friday - Posters

12:00:00–14:00:00

## T21.P5 - Unconventional Hydrocarbons and Emerging Fuels Exhibition

PAPER#	PAPER TITLE & AUTHOR
# PB24	Pore Pressure Prediction in Gas Hydrate Bearing Sediments of Krishna-Godavari Basin, India <b>Dr. Rima Chatterjee</b>
# PB25	A further evaluation of mud cooling technology for gas hydrate exploration <b>Prof. Youhong Sun</b>
# PB26	Characteristics and Controlling Factors of Lacustrine Tight Oil Accumulation: A Case Study from Yanchang Formation, Ordos Basin, China <b>Dr. Zhengjian Xu</b>
# PB27	Diagenesis and its Impact on the Reservoir Quality of Chang 7 Tight Sandstones in Ordos Basin, China <b>Mr. Wenchao Dou</b>
# PB28	International gas hydrate research program: Key findings and perspectives <b>Dr. Sung-rock Lee</b>
# PB29	Carbon Dioxide Migration in Sediments on the Chatham Rise, New Zealand <b>Dr. Richard Coffin</b>
# PB30	Porosity well logging prediction for tight oil reservoirs with variable matrix parameter in Zahaquan area, Qaidam Basin <b>Prof. Zhang Xiaoli</b>
# PB31	Physical property analyses using pressure cores recovered from the Ulleung Basin, East Sea, Korea <b>Dr. Joo Yong Lee</b>
# PB32	Sandstone reservoir chronological tightening attributed to their mineral components and differential burial-diagenetic evolution - A case study of the He 8 Group, Upper Paleozoic from the eastern Ordos Basin <b>Prof. Jinglan Luo</b>
# PB33	Heat flow and a rough estimation of gas hydrate in sediments at the Patagonian active continental margin offshore Chile <b>Bsc. Lucia Villar Muñoz / Dr. Ivan Vargas-Cordero</b>
# PB34	Seismic characteristics of gas hydrate and free gas in the northwest Ulleung Basin, East Sea <b>Dr. Dong Geun Yoo</b>
# PB35	Analysis on Charging Process of Lacustrine Tight Oil in Ordos Basin, China: Evidence from Fluid Inclusions <b>Dr. Zhengjian Xu</b>
# PB36	Characteristics and Controlling Factors of Lacustrine Tight Oil Accumulation of Yanchang Formation in Ordos Basin, China <b>Dr. Zhengjian Xu</b>
# PB37	Implications of mass transport deposit for gas hydrate-bearing seismic chimneys in the Ulleung Basin, East Sea, Korea <b>Dr. Nyeon Keon Kang</b>



# Friday 2 September

# PB38	A Method of Logging Recognition for Pore Structure of Tight Sandstone Oil Reservoir <b>Mr. Quanqi Dai</b>
# PB39	Geostress Research and Application at Lucaogou Formation Tight Oil Reservoir in Jimsar Sag, Junggar Basin <b>Mr. Jian Wang</b>
# PB40	Methane hydrates of the Russian Arctic seas: forecasts of distribution and resource assessment <b>Dr. Tatiana Matveeva</b>
# PB41	Estimation of the gas-hydrate resource volume using 3-D seismic and well-log data in the Ullung Basin, East Sea <b>Dr. Bo-Yeon Yi</b>
# PB42	Pore Structure Research and Application of Rate-controlled Mercury Penetration at Chang 7 Tight Oil Reservoir at Ordos Basin <b>Ms. Xu Zhu</b>
# PB43	Gas torches as the search feature of hydrocarbon deposits <b>Dr. Sergii Goshovskyi</b>
# PB44	Gas hydrate identification near seafloor based on geological and geophysical methods in the eastern Pearl River Mouth Basin of South China Sea <b>Mr. Chunbo Jiao</b>
# PB45	Photocatalytic Hydrogen Production by Modified Titania Catalysts <b>Mr. Abniel Machín</b>
# PB46	Geochemical Comparisons of Natural Gas in Inclusions and Reservoirs of the XuJiaHe Formation, Sichuan Basin, China <b>Prof. Zhiyong Chen</b>
# PB47	Study on Pore Structure Characteristics of Tight Sandstone Oil Reservoir: Evidences from Chang 7 Member in Ordos Basin, China <b>Mr. Quanqi Dai</b>

**Friday - Posters**

**12:00:00–14:00:00**

**T27.P5 - Gold Mineralizing Systems (jointly sponsored by SEG and SGA)**  
**Exhibition**

PAPER#	PAPER TITLE & AUTHOR
# PB48	Mineralogical and Geochronological Study of Epithermal Gold Mineralization in Kerta, West Java, Indonesia <b>Dr. Kotaro Yonezu</b>
# PB49	Geological Features of Landslide-Accumulation Ore of the Nibao Gold Deposit SW Guizhou China <b>Mrs. Lian-Su Qi / Mr. Jian-Zhong LIU</b>
# PB50	Eastern Tannu-Ola ore district of the Altai-Sayan folded area (Republic Tuva, Russia): the structural features and metallogeny <b>Mr. Alexandr Chernykh</b>
# PB51	Orogenic gold in greenstone belts in North-Eastern Fennoscandia <b>Dr. Arkadiy Kalinin</b>
# PB52	Precambrian Gold-Bearing Nemui Conglomerates, Eastern Siberia: Possible Analogue of the Witwatersrand Basin and a New Emerging Gold Province <b>Dr. Pavel Kepezhinskas</b>
# PB53	Chemical variability of ore minerals in several epithermal deposits from the Gold Quadrilateral, Apuseni Mountains, Romania <b>Dr. Marian Munteanu</b>
# PB54	Complex gold mineralizing system of the Plavica deposit, R. Macedonia <b>Prof. Todor Serafimovski</b>
# PB55	Gold mineralization and geochemistry of Rixen Deposit in Ulu Sokor area, Peninsular Malaysia <b>Mr. Khai Yuen Chong</b>
# PB56	PIXE Elemental Micromaps of Gold-Uranium-Carbon Associations in Seam Carbon of the "C" –reef in the Witwatersrand Basin, South Africa <b>Mr. Tremain Woods</b>
# PB57	Late metallogenetic processes in the Suurikuusikko gold deposit (Kittilä mine, Finland) <b>Dr. Marian Munteanu</b>

**Friday - Posters**

**12:00:00–14:00:00**

**T28.P5 - Sedimentary Processes - ancient to modern**  
**Exhibition**

PAPER#	PAPER TITLE & AUTHOR
# PB58	Facies variations in the Kalahari-Karoo Basin of Botswana using borehole core and 2D seismic data <b>Ms. Vuyolwethu Mahlalela</b>
# PB59	Depositional Controls on Cretaceous Source Rocks: Insights from the Western Interior Seaway <b>Mr. James Scaife</b>
# PB60	Depositional conditions during sedimentation of the Cretaceous (Aptian-Albian) organic-rich siltstone of the Carolinefjellet Formation at Isfjorden, Spitsbergen <b>Ph.D. Michał Rakociński</b>



# PB61	Characteristics of organic matters in sediments from the Northern South China Sea <b>Dr. Weihai Xu</b>
# PB62	The Fate of Biogenic vs. Abiogenic Organic Matter during Thermal Maturation <b>Mr. Helge Mijßbach</b>
# PB63	The relationship between distribution of benthic foraminiferal assemblages and geochemical properties in the Iznik Lake (Turkey) bottom sediment <b>Dr. Ipek F. Barut</b>

## Friday - Posters

12:00:00–14:00:00

## T29.P5 - Basin Formation and Continental Margins Exhibition

PAPER#	PAPER TITLE & AUTHOR
# PB64	Unravelling the geology beneath the Meso-Cenozoic sedimentary cover of the intracratonic Paris Basin - Part 2: geological mapping of the buried Variscan basement combining aeromagnetic, gravity and petrophysical data <b>Dr. Laurent Beccaletto</b>
# PB65	Unravelling the geology beneath the Meso-Cenozoic sedimentary cover of the intracratonic Paris Basin - Part 3: using seismic data to decipher the structural evolution and sedimentary record of the Stephano-Permian basins <b>Dr. Laurent Beccaletto</b>
# PB66	The Kenya Rift revisited: new insights into the strength of the lithosphere through data-driven 3D gravity and thermal modelling <b>Dr. Magdalena Scheck-Wenderoth</b>
# PB67	Characteristics of fault system in Enping sag <b>Mr. Yiming Liu</b>
# PB68	The Pre-Silurian Riachão basin, a key insight into the evolution of the Parnaíba cratonic basin, NE Brazil. <b>Ms. Amanda Porto</b>
# PB69	The differential evolution of buried hills in Liaodong Bay and analysis on their reservoir forming conditions† <b>Dr. Chen Zhang</b>
# PB70	Microfabrics and geochemical characteristics of Paleozoic cherts and their geological implications from southern Qinling orogen, China <b>Professor Yongzhang Zhou</b>

## Friday - Posters

12:00:00–14:00:00

## T31.P5 - The Deep Earth Exhibition

PAPER#	PAPER TITLE & AUTHOR
# PB71	Reducing environment in chromitites: possible causes for PGE and diamond formation <b>Dr. Alexander Proyer</b>
# PB72	Mathematical modeling of shear and converted waves in deep seismics offshore <b>Dr. Alexander Rybalka</b>
# PB73	Crustal Architecture along BABEL and FIRE profiles – Insight in the Growth of the Svecofennian Orogen, Fennoscandian Shield <b>Dr. Annakaisha Korja</b>
# PB74	Crustal conductors and lithospheric structure in an accretionary Svecofennian orogeny in Fennoscandia <b>Dr. Toivo Korja</b>
# PB75	Seismic structure of northern segment of the N-S tectonic belt in North-Central China and its geological implications <b>Dr. Cheng Shunyou</b>
# PB76	The gravity derived Moho depth of Botswana and its implication in the recent geodynamic activities <b>Mr. Chikondi Chisenga</b>
# PB77	The multi-stage tectonic evolution of the Xitieshan terrane, North Qaidam orogen, western China: from Grenville-age orogeny to early-Paleozoic ultrahigh-pressure metamorphism <b>Dr. Cong Zhang</b>
# PB78	Deep earth exploration by Magnetotelluric (MT) survey <b>Dr. Dulal Chandra Naskar</b>
# PB79	Crust and uppermost mantle structure of Madagascar. <b>Mr. Fenitra Andriampenanomana</b>
# PB80	Petrogenesis Implications of Zoned Spinel from Northeastern Jiangxi Province Ophiolite (NEJXO), China <b>Dr. Guolin Guo</b>
# PB81	Poisson's ratio and porosity in deep seismic zone under Izu-Bonin, Japan <b>Dr. Guoming Jiang</b>
# PB82	Thickness and composition of the crust in southern Africa <b>Prof. Hans Thybo</b>
# PB83	Deep structure of the East European Craton marginal zone in Poland from joint inversion of surface-wave dispersion and receiver functions <b>Mr. Kajetan Chrapkiewicz</b>



# PB84	Preliminary Gravity Survey of Western Bhutan <b>Dr. Kevin Mickus</b>
# PB85	Water contents on peridotite xenoliths from Southwest China <b>Dr. Rong Wang</b>
# PB86	Along the strike magnetotelluric profile to map electrical structure of Radhanpur-Ajmer transect in Rajasthan, India. <b>Dr. Tanvi Arora</b>
# PB87	Gravity anomalies over Indian Cratons and their Geological implications <b>Mr. Jammivenkata Ramarao</b>
# PB88	Structural heterogeneity of West-Pacific subduction zones and its implications for interplate megathrust earthquakes <b>Dr. Xin Liu</b>
# PB89	Crustal structure and composition beneath northeastern Tibetan Plateau from teleseismic receiver function analysis <b>Prof. Xinfu Li</b>

## Friday - Posters

12:00:00–14:00:00

### T32.P5 - The Hadean and Archaean Earth Exhibition

PAPER#	PAPER TITLE & AUTHOR
# PB90	Komatiite from Mesoarchaeon Badampahar-Gorumahisani greentone belt, Singhbhum craton, eastern India: Petrogenetic affinity with 'Barberton type' <b>Mr. Pawan Yadav</b>
# PB91	Contrasting geochemical characteristics in adjacent units of Archean greenstones in the Chitradurga schist belt, Southern India <b>Mr. Yoshihiro Enya</b>
# PB92	Geophysical Analysis of the Paleoproterozoic Bui Greenstone Belt, Western Ghana; the Constraints of Conductivity on the Belt using an EM Inversion Technique <b>Ms. Abigail Ayikwei</b>
# PB93	3.2 Ga sedimentary environment implied from heterogeneity of sulfur isotopic compositions of barite beds in Pilbara, Western Australia <b>Mr. Tsubasa Miki</b>
# PB94	Geochemical characterisation of the mafic/ultramafic rocks from the BARB-3 drilling site in the Barberton Greenstone belt <b>Mrs. Nina Bellot</b>
# PB95	Formation and evolution of the Huangling basement in Yangtze craton, South China <b>Prof. Junqi Wei</b>
# PB96	A 4-D model of the Archaean Crustal Evolution of the Fennoscandian Shield <b>Dr. Aleksandr Slabunov</b>
# PB97	On using the Kaapvaal Craton to naturalise the International Chronostratigraphic Chart for the Precambrian <b>Dr. Christopher Hatton</b>
# PB98	Integrated approach of Geology, Geochemistry and Geophysics (3G) in mineral exploration: a case study from Minjhari area, Central India <b>Mr. Debadarsi Bikram Keshari Khuntia</b>
# PB99	Geochronology of mantle and crustal processes of Archaean rocks of the Kola region (Fennoscandian Shield) <b>Dr. Nikolay Kudryashov</b>
# PB100	Detrital pyrite: a revised classification scheme and application to placer gold deposits <b>Ms. Giuliana Costa</b>
# PB101	Geology and Gold Mineralization of a Newly Identified Mafic-Ultramafic Sequence in the Archean Busia-Kakamega Greenstone Belt, Western Kenya <b>Mr. Takalani Netsianda</b>
# PB102	Multiple Sulfur Isotope evidence of an Archean age for the deposition of Jacobina Basin, São Francisco Craton, Brazil <b>Mr. Guilherme Teles</b>
# PB103	A mineralogical-geochemical study of Mesoarchaeon quartz-pebble conglomerates from the Pongola Supergroup and implications for U/Au placer deposits <b>Mr. Axel Hofmann</b>
# PB104	Preliminary results on the petrogenesis and metallogenesis of Archaean rare metal granitic pegmatites along the southern margin of the Zimbabwe craton <b>G.S Chagondah</b>

## Friday - Posters

12:00:00–14:00:00

### T33.P5 - The Proterozoic Earth Exhibition

PAPER#	PAPER TITLE & AUTHOR
# PB105	Proterozoic ferroan feldspathic magmatism in Eastern Dharwar Craton; Constraints from the petrogenesis of Mesoproterozoic granite magmatism to the East of the Nallamalai Fold Belt, SE India <b>Dr. Valiveti Venkata Sessa Sai</b>





# PB106	Geochemistry and SIMS U-Pb zircon geochronology of the Vijayan anatectic melts of eastern Sri Lanka <b>Dr. Samuel Wai-Pan Ng</b>
# PB107	Discussions on the Neoproterozoic strata–tectonic–magmatic event sequence of the eastern Jiangnan Orogen, southeast China <b>Prof. Xinqi Yu</b>
# PB108	Felsic magmatic events within 1.36 – 1.00 Ga time interval in the SW Amazonian Craton, Brazil and Bolivia: tectonic implications and magma sources <b>Dr. Washington Barbosa Leite Júnior</b>
# PB109	Neoproterozoic tectonic evolution of South Qinling, China: evidence from zircon ages and geochemistry of the Yaolinghe volcanic rocks <b>Dr. Xi Yan Zhu</b>
# PB110	In situ U-Pb zircon dating on sedimentary and granitoid rocks in Imjingang Belt, North Korea <b>Dr. Yanbin Zhang</b>
# PB111	Zircon U-Pb ages, Hf isotopes and geochemistry of the Precambrian gneisses in the Wonju-Jechon area, Southern margin of the Gyeonggi Massif: implications for the Precambrian tectonic evolution of the Gyeonggi Massif and Northeast Asia <b>Mr. Byungchoon Lee</b>
# PB112	Neoproterozoic Basic and Mid-acidic Intrusions in Welega Area (Ethiopia): Litho-geochemical Evidence for mantle and partly Crust Melting <b>Prof. Huazhou Yao</b>
# PB113	Age constraints on Paleoproterozoic glacials and oxygenation from South Africa <b>Dr. Stefan Schroeder</b>
# PB114	Soft-sediment deformation structures interpreted as seismites in Ediacaran carbonates (Bambu Group, Brazil) <b>MSc. Juliana Okubo</b>
# PB115	Reassessing processes of primary deposition and diagenesis of iron and manganese, using cm-scale variations in iron and carbon isotope ratios of the Palaeoproterozoic Hotazel Formation, South Africa. <b>Mr. Xolane Mhlana</b>

## Friday - Posters

12:00:00–14:00:00

## T38.P5 - Metamorphic Processes Exhibition

PAPER#	PAPER TITLE & AUTHOR
# PB116	Timing of the blueschist-facies metamorphism in the North Qilian orogen <b>Dr. Hao Cheng</b>
# PB117	The occurrence of excess $^{40}\text{Ar}$ in amphibole: implication of $^{40}\text{Ar}/^{39}\text{Ar}$ dating by laser stepwise heating and in vacuo crushing <b>Dr. Rong-Guo Hu</b>
# PB118	Chemical and thermal evolution of subduction zones: Insights from trace-element distribution and Lu–Hf geochronology in HP oceanic rocks, Halilbağı Complex (Central Anatolia) <b>Dr. Amaury Pourteau</b>
# PB119	Anticlockwise PT path and zircon U-Pb dating of HP granulites in Yushugou granulite-peridotite complex, southern Tianshan, China <b>Ms. Lu Zhang</b>
# PB120	High-pressure petilic granulites from the West Kunlun orogenic belt, China: P-T-t path and geotectonic implications <b>Dr. Wenqiang Yang</b>
# PB121	Chemical zoning, pseudosections and P-T path of well preserved eclogites from the Adrar Izzilatène area (Egéré-Aleksod terrane, Central Hoggar, South Algeria). <b>Pr. Khadidja Ouzegane</b>
# PB122	A “brief” history of Aegean subduction: P-T-t evolution of the Cycladic Blueschist Unit, Sifnos, Greece <b>Dr. Besim Dragovic</b>
# PB123	The discovery of fluid inclusion in moissanite of serpentinite from southern Dabie Mountain (Anhui area), PR China <b>Prof. Weiping Wu</b>

## Friday - Posters

12:00:00–14:00:00

## T40.P5 - Marine Geosciences and Oceanography Exhibition

PAPER#	PAPER TITLE & AUTHOR
# PB124	Elemental abundances and paleoclimate implications: preliminary results from XRF core scanning of IODP Expedition 356 Site U1463 <b>Mr. Evan O'Brien</b>
# PB125	Trajectory variation and depositional architecture of the deltaic systems of the Late Oligocene to Quaternary and their response to the tectonic and sea level change, Pear River Mouth Basin, northern South China Sea <b>Dr. Changsong Lin</b>
# PB126	3-D magnetic modeling of the Ionian Sea deep-sea crust: Evidence for the oldest in-situ ocean fragment of the world <b>Dr. Fabio Speranza</b>
# PB127	Influence of Near Shore Structures on the Coastal Processes of West Coast of India <b>Mrs. Mamatha P.K.</b>



## Friday - Posters

12:00:00–14:00:00

### T41.P5 - Arctic and Antarctic Geoscience Exhibition

PAPER#	PAPER TITLE & AUTHOR
# PB128	Ar40/Ar39 data from Sverdrupfjella and Kirwanweggan, Maud Province, Dronning Maud Land, Antarctica: possible implications for Gondwana amalgamation. <b>Dr. Geoffrey Grantham</b>
# PB129	Variations in trace elements and Platinum group elements compositions during the past 800,000 years at Dome C EPICA ice cores, Antarctica <b>Dr. Soon Do Hur</b>
# PB130	Study of frozen ground conditions in Byers Peninsula of Livingston Island (Maritime Antarctica) based on electrical and geomorphological data <b>Antonio Correia</b>
# PB131	1D Numerical modelling of crustal heat transfer in the Antarctic glaciers of Northern Victoria Land <b>Dr. Mario Gaeta</b>
# PB132	Satellite gravity gradient and airborne gravity views of the Antarctic lithosphere <b>Dr. Fausto Ferraccioli</b>
# PB133	New aerogeophysical survey targets the South Pole Frontier <b>Dr. Fausto Ferraccioli</b>
# PB134	Detailed Gravity Analysis of the Erebus Volcano, Antarctica <b>Dr. Kevin Mickus</b>
# PB135	A 1:1000 000 tectono-geological map of Mac.Robertson Land and Princess Elizabeth Land (East Antarctica) <b>Dr. Evgenii Mikhalskii</b>
# PB136	Investigating East Antarctic basement provinces from the Shackleton Range to Dronning Maud Land with new magnetic and gravity compilations <b>Dr. Fausto Ferraccioli</b>
# PB137	New SHRIMP zircon age from the Larsemann Hills region, Prydz Bay, for A Late Mesoproterozoic to early Neoproterozoic and Pan-African tectono-thermal event in East Antarctica <b>Professor Yanbin Wang</b>
# PB138	Crustal architecture of the Gamburtsev Province in East Antarctica <b>Dr. Fausto Ferraccioli</b>

## Friday - Posters

12:00:00–14:00:00

### T46.P5 - Volcanology Exhibition

PAPER#	PAPER TITLE & AUTHOR
# PB139	U-Pb evidence for rapid formation of the Nohi Rhyolite, one of the largest caldera-forming volcanic complexes on Earth <b>Dr. Hiroyuki Hoshi</b>
# PB140	Lake Empakat - new tephrochronological data on the stratigraphic record in northern Tanzania <b>Ms. Anna Balashova</b>
# PB141	Reduction Risk and Seismic activity at Nyiragongo and Nyamulagira volcanoes in the Western Branch of the East African Rift/DRC <b>Mr. Kiro Kubuya</b>
# PB142	Maar deposits in North Tanzania: phreatomagmatic or dry fragmentation? <b>Dr. Audray Delcamp</b>
# PB143	Morphological analysis of Holocene scoria cones and maar volcanoes of the alkaline Bayuda Volcanic Field in NE Africa (Sudan): new insights into the structure and evolution of a monogenetic volcanic field <b>Dr. Nils Lenhardt</b>
# PB144	Locating the depth of magma supply for volcanic eruptions <b>Mr. Harri Geiger</b>
# PB145	Lava tubes from central portion of the Paraná CFB Province, Brazil <b>Dr. Breno Waichel</b>
# PB146	Volcanic source-to-sink: stratigraphy and chronology of lahar deposits in a volcanic fan-delta-lake system, Adatara and Bandai volcanoes, NE Japan <b>Dr. Kyoko Kataoka</b>
# PB147	Theoretical models for gravity anomalies caused by thermoelastic deformations in the vicinity of magmatic bodies <b>Dr. Ladislav Brimich</b>
# PB148	The earliest open conduit eruptive centre of the Etna volcano: evidence from aeromagnetic and geological data <b>Dr. Francesca D'Ajello Caracciolo</b>
# PB149	Vein networks record pressurization events in the active hydrothermal system of Lipari Island (Italy) <b>Dr. Luigi Cucci</b>



## ◆ SOCIAL PROGRAMME

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

## ◆ AGU HOT TOPIC LOUNGE SCHEDULE

MONDAY	
13:20 - 13:40	The Peer Review Process and Tips to Improve Your Manuscript
13:40 - 14:00	How to Become a Reviewer and Review a Manuscript Effectively
15:40 - 16:00	How to Write an Abstract
17:45 - 18:15	Hot Topic Discussion: Planetary Sciences in Africa

WEDNESDAY	
07:45 - 08:15	The Peer Review Process and Tips to Improve Your Manuscript
10:00 - 10:20	Data Skills and Reproducibility
13:20 - 14:00	Hot Topic Discussion: Climate Change and Water Resources in Africa
15:40 - 16:00	Gender Issues in the Earth sciences
17:40 - 18:00	Hot Topic Discussion: The Dynamic Earth and its Kimberlite, Cratonic Mantle and Diamond Record through Time

FRIDAY	
07:45 - 08:15	About AGU
10:00 - 10:20	The Peer Review Process and Tips to Improve Your Manuscript

TUESDAY	
07:45 - 08:15	About AGU
10:00 - 10:20	Meet AGU Editors from JGR: Planets and Tectonics
13:20 - 14:00	Hot Topic Discussion: Resourcing Future Generations
15:40 - 16:00	Data Management/Reproducibility
17:40 - 18:00	Publication and Scientific Ethics

THURSDAY	
07:45 - 08:15	How to Participate in the Thriving Earth Exchange
10:00 - 10:20	Meet AGU Editors from JGR: Planets and Tectonics
13:20 - 14:00	Hot Topic Discussion: Hadean and Archean Earth
15:40 - 16:00	How to Become a Reviewer and Review a Manuscript Effectively
17:40 - 18:00	Career Development Tools and Advice

