

35TH INTERNATIONAL GEOLOGICAL CONGRESS

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



TUESDAY PROGRAMME

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Tuesday 30 August

Tuesday - Plenary Session Plenary Session 3 Auditorium 1

12:15–12:45

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

Tuesday - Plenary Session Plenary Session 4 Auditorium 1

12:45–13:15

TIME	PAPER #	PAPER TITLE & AUTHOR
12:45	# 5555	Africa, humans and the global climate Robert Scholes (PLENARY SPEAKER)

Tuesday - Session 3 T1.3 - Geoheritage and Conservation MR 1.62

08:00–10:00

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

Tuesday - Session 4 T1.4 - Geoheritage and Conservation MR 1.62

10:30–12:00

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 2941	US Geoheritage and Geoliteracy : Sustainable Fossil Parks and Public Geoscience Education Prof. Renee Clary
10:45	# 2509	Geoheritage and Geotourism potential of the Baginda Hill, Belitung Island, Indonesia Mr. Putra Herianto
11:00	# 1770	Jaisalmer basin in Thar desert - potential for developing geopark in Rajasthan, West India Dr. Sudesh Wadhawan
11:15	# 2294	Rao Jodha Desert Rock Park, Mehrangarh Fort, Jodhpur, India: A possible potential Geoharitage site for Geopark. Dr. Suresh Mathur
11:30	# 1073	Geotourism - an area that need special attention in Tanzania Dr. Emma Msaky
11:45	# 163	Yogyakarta and its surrounding as geotourism destination: alternative media to transfer sciences and geological information to the society Prof. Conradus Danisworo

Tuesday - Session 5 T1.5 - Geoheritage and Conservation MR 1.62

14:00–15:30

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



15:15	# 639	Geology as a component of vineyard terroir in the Western Cape Province, South Africa <i>Mr. Christopher Bargmann</i>
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Tuesday - Session 6 **16:00–17:45**
T1.6 - Geoheritage and Conservation
MR 1.62

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

Tuesday - Session 3 **08:00–10:00**
T3.3 - Geological mapping of Africa – a key for sustainable use of earth resources
MR 1.63

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

Tuesday - Session 4 **10:30–12:00**
T3.4 - Regional Geological Mapping
MR 1.63

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 3825	Towards a new geodynamic model for the western Namaqua Province <i>Dr. Paul Macey (KEYNOTE SPEAKER)</i>
10:45	# 877	Geological evolution of the Aurus Mountains, Sperregebiet Domain, Namibia <i>Dr. Bob Thomas</i>
11:00	# 4736	The Lower Fish-River/Onseepkans Thrust Zone: Time constraints and insights into Namaquan thrust tectonics <i>Mr. Hendrik Smith</i>
11:15	# 4932	Characterisation and source constraints on the Mesoproterozoic Eendoorn Suite megacrystic granites and granitic gneisses of southern Namibia and their context within the western Namaqua Province <i>Dr. Jodie Miller</i>
11:30	# 4989	Distribution and characteristics of gabbros, gabbronorites and amphibolites across the western Namaqua Province and their role in constraining terrane boundaries <i>Dr. Jodie Miller</i>
11:45	# 4084	The Marshall Rocks-Pofadder Shear Zone and other late-Namaqua dextral shear zones between Ai-Ais and Pofadder in the western Namaqualand Metamorphic Province: Fabrics, timing and late stage melt controls <i>Mr. Christopher Lambert</i>



Tuesday 30 August

Tuesday - Session 5

14:00–15:30

T3.5 - Mapping the geochemistry of the Earth's surface at global to local scales (3rd Arthur Darnley Symposium)
MR 1.63

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

Tuesday - Session 6

16:00–17:45

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

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

Tuesday - Session 3

08:00–10:00

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

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

Tuesday - Session 4

10:30–12:00

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

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 118	Stable Carbon Isotopic Composition of Black Carbon in Surface Soil as a Proxy for Reconstructing Vegetation in the Northern China Dr. Lian Liu
11:00	# 317	Evaluation of palaeoclimatic variability during Deccan Volcanic Episode: Perceptions from the intrabasaltic palaeosols (bole beds) occurring around Koynanagar area of Maharashtra (India). Dr. Mohammed Rafi Sayyed
11:15	# 334	Paleo beach-ridge complexes, indicator of sea-level changes and climatic fluctuations: A case study from part of the Andhra Pradesh coast, India Dr. Rimpal Kar

**Tuesday - Session 5****14:00–15:30****T4.5 - Palaeosols, palaeoweathering profiles and polygenetic soils indicators of climate change
Hall 4B4**

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 387	Assessment of climate impacts on the karst-related carbon sink in SW China using MPD and GIS Mr. Sibo Zeng / Prof. Yongjun Jiang / Prof. Zaihua Liu
14:15	# 443	Palaeoclimatic imprints revealed from the Deccan intrabasaltic palaeosols from the Lonand area (Satara district) of Maharashtra (India) Dr. Uday Kulkarni
14:30	# 751	Petrographic and Organic Geochemical Evidences of Wildfire from the Middle Permian Coal of North China Basin and its significance for Permian mass extinction Dr. Yuzhuang Sun
14:45	# 1747	Geological relict as the climatic refugia of plants Dr. Woo-Seok Kong
15:00	# 1753	Geochemical characteristics and in-situ Quartz oxygen isotope ratio in a Terra Rossa profile: an unconsolidated paleosol horizon Dr. Hongbing Ji

Tuesday - Session 6**16:00–17:45****T4.6 - Palaeosols, palaeoweathering profiles and polygenetic soils indicators of climate change
Hall 4B4**

TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 1792	The difference of the sediment under diverse climate in the north-south part of Bohai Bay Basin in the Eocene Mr. LiangJun Wu
16:15	# 2232	Counting land carbon storage in Guizhou Province, southwestern China Prof. Jian Ni
16:30	# 2670	Climate Change: A reality or a myth? Koa Dunefield case study, Northern Cape, South Africa Ms. Cindy Faul
16:45	# 3003	Climate Change Evidenced by Paleosol Records in the Kazakhstan Steppe Area Dr. Jiri Chlachula
17:00	# 3383	Geomorphological and Paleopedological Development on Cretaceous Parent Source Rock around Nsukka Southeastern Nigeria. Dr. Izuchukwu Mike Akaegbobi

Tuesday - Session 3**08:00–10:00****T5.3 - Hydrogeology and Hydrochemistry of Arid and Semi-Arid Africa: A Tribute to W. M. Edmunds /
Non-Darcian flows in soil and geological porous media / Hydrochemistry and recharge of karst and other systems /
Groundwater and Hydrogeology
MR 2.64 - 2.66**

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 5516	Towards Integrated Transboundary Groundwater Management in Southern Africa - The Case of the Ramotswa Aquifer Shared between South Africa and Botswana Y Altchenko
08:15	# 4423	Experimental Studies on the Smooth Parallel Plate Model, Addressing the Validity of the Cubic Law under Conditions of Variable Saturation. Mr. Brendon Ronald Jones
08:30	# 4338	Flow regime comparison of a single clean smooth parallel fracture with and without overlying material in variably saturated conditions Mr. Brendon Jones
08:45	# 2833	Modeling of radionuclide migration in fractured rock aquifer and assessment of groundwater contamination risk Dr. Irina Galitskaya
09:00	# 5291	Recognizing spatial heterogeneity in aquifer distributions and characterizing groundwater dynamics in NW India Prof. Rajiv Sinha
09:15	# 4055	Groundwater recharge in the discharge area of a semi-arid catchment Prof. Xiao-Wei Jiang
09:30	# 840	Diel cycling, flux, and fate of HCO ₃ ⁻ in a typical karst spring-fed stream of southwestern China Prof. Cheng Zhang
09:45	# 914	Modeling Groundwater Flow and Dynamics of the Dendron Area, Limpopo River Basin, South Africa Dr. Girma Yimer Ebrahim

Tuesday - Session 4**10:30–12:00****T5.4 - Integrated geo-hydrological approaches to secure groundwater resources
MR 2.64 - 2.66**

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 75	Geoinformatics for Sustainable Groundwater Resource development Dr. Arumugam Jothibasu



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10:45	# 5515	Global Food Production - Share from Sustainable and Unsustainable Groundwater Use Dr. Karen Grothe Villholth
11:00	# 2030	The importance of information management systems (IMS) to good governance of shared groundwater resources Mrs. Daniela Benedicto
11:15	# 870	GIS based modelling of groundwater vulnerability: a case study of Birmingham urban unconfined aquifer, United Kingdom Dr. Abraham Thomas
11:30	# 912	Estimating Groundwater Availability at Catchment Scale using Streamflow Recession and Instream Flow Requirements of Rivers in South Africa Dr. Girma Yimer Ebrahim
11:45	# 2757	GRACE gravity approach in estimating changes in Total Water Storage in the Vaal River Basin, South Africa. Mr. Khuliso Masindi

Tuesday - Session 5

T5.5 - Integrated geo-hydrological approaches to secure groundwater resources
MR 2.64 - 2.66

14:00–15:30

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

Tuesday - Session 6

T5.6 - Hydro-geochemistry and contamination of groundwater [A YES NETWORK INITIATIVE]
MR 2.64 - 2.66

16:00–17:45

TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 2968	Chemical and isotopic evolution of dissolved inorganic carbon in groundwater of the Okavango Delta, Botswana Dr. Eliot Atekwana
16:15	# 3004	Assessment of impact on the groundwater quality due to solid waste disposal site southeast of Pune City, Maharashtra, India Dr. Gajanan Wagh
16:30	# 2229	Hydrogeochemistry and genesis analysis of the geothermal springs in Arxan, Northeastern China Ms. Xiaomin Gu
16:45	# 4427	Evaluation of Impact of Geomorphic Controls on the Groundwater Quality of Udupi District, Southwest Coast of India Ms. Sruthi B
17:00	# 2323	Groundwater Quality study of Shendra & Chikalthana MIDC area in Aurangabad District (M. S.), India Prof. Ashok Tejankar
17:00	# 2234	Groundwater circulation and hydrogeochemical evolution in a typical alluvial-lacustrine plain of Qaidam Basin, Northwestern China Mr. Yong Xiao

Tuesday - Session 3

T6.3 - Forensic Soil Science and Geology: held in association with 5th International Conference on Criminal and Environmental Soil Forensics
Westin - Victoria & Alfred

08:00–10:00

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



09:15	# 4543	Tracing the source of stolen PGM smelter products Dr. Roger Dixon
09:30	# 5118	Portable X-ray Fluorescence (PXRF) Spectrometry of Soils: Method Limitations Dr. Elisa Bergslien

Tuesday - Session 4
T6.4 - Open Session
Westin - Victoria & Alfred

10:30–12:00

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 3485	Environmental magnetic studies of soil profiles from tropical Southern India: A window to pedogenic processes and sediment-source linkage Dr. Rajasekhariah Shankar
10:45	# 3421	Ecological services and biophysical functioning of agriecological soils of Burkina Faso Prof. Mikael Motelica-Heino
11:00	# 4951	Plant Growth Promoting Rhizobacteria (PGPR) Enhance Plant Drought Stress Tolerance: Physicochemical and Hydrological Changes in Rhizospheric Soil Prof. Yan Jin
11:15	# 324	Hydrochemical Characterisation And Quality Appraisal Of Soil In The Foothills Of Himalaya In Parts Of Uttarakhand, India Mrs. Resmi Sathikumar
11:30	# 3901	Novel potash fertiliser from nepheline syenite for Africa's agricultural growth Mr. Annock Chiwona
11:45	# 1368	A comparative study of laser diffraction vs conventional sedimentation and sieve analyses for particle size measurement using a variety of South African soils Mr. Jaco Koch

Tuesday - Session 3
T7.3 - CGMW: International Geoscience Maps in the 21st Century
MR 2.44 - 2.46

08:00–10:00

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 3682	Eastern Asia Earthquake and Volcanic Hazards Information Map Dr. Shinji Takarada
08:15	# 3687	Outlets for Distributing Geologic Maps in the Digital Age – Journal of Maps and Examples from the U.S. Geological Survey Mr. Randall Orndorff
08:30	# 4139	Geological maps of the future Dr. Cees Passchier
08:45	# 4226	How Cool Can Be The Migration of an Old GIS Corporate Dataset to a New System. From Coverages to Geospatial Databases. Mr. Carlos Gabriel Asato
09:00	# 3385	The new tectonic map of South America (2016) at the 1:5 000 000 scale Prof. Umberto Cordani
09:15	# 4775	Are the Alps an alpine-type orogeny? A multi-disciplinary mapping project Prof. Romain Bousquet
09:30	# 1600	Tectonic map of Northern-Central-Eastern Asia: New conception, new scientific results, new perspectives Dr. Igor Pospelov
09:45	# 4633	The historic evolution of the global geological mapping of Africa Dr. Philippe Rossi

Tuesday - Session 4
T7.4 - CGMW: International Geoscience Maps in the 21st Century
MR 2.44 - 2.46

10:30–12:00

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



Tuesday 30 August

Tuesday - Session 5

14:00–15:30

T7.5 - Geoscience Spatial Data Infrastructures MR 2.44 - 2.46

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

Tuesday - Session 6

16:00–17:45

T7.6 - Geoscience Spatial Data Infrastructures MR 2.44 - 2.46

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

Tuesday - Session 3

08:00–10:00

T8.3 - Geohazards and societal benefits: coping with reality Hall 4B2

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

Tuesday - Session 4

10:30–12:00

T8.4 - Subaerial and submarine landslide processes and hazards Hall 4B2

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 1647	Preconditioning factors for the unstable eastern Rockall Bank slope, NE Atlantic Dr. Aggeliki Georgiopoulou
10:45	# 4018	People as Sensors: Towards a Human-machine Cooperation Approach in Monitoring and Early Warning of Landslides in the Three Gorges Reservoir Region, China Mr. Guoxuan Cheng
11:00	# 5283	Detection of landslides in early phases using SAR interferometry Phd. Mateja Jemec Auflič / Prof. Marko Komac



11:15	# 5319	Landslide Monitoring through Spatial Sensor Network <i>Dr. Ping Lu</i>
11:30	# 2390	Sedimentary processes associated to a late Miocene large-scale submarine landslide (Sierra de Gádor, Almería, SE Spain) <i>Dr. Ángel Puga-Bernabéu</i>
11:45	# 828	Submarine landslides and related geohazards around Indian Subcontinent and Islands <i>Mrs. Sainaba N. K.</i>

Tuesday - Session 5**14:00–15:30****T8.5 - Subaerial and submarine landslide processes and hazards / Crustal deformation and seismotectonics in Africa: Active faulting and earthquake hazard assessment
Hall 4B2**

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

Tuesday - Session 6**16:00–17:45****T8.6 - Crustal deformation and seismotectonics in Africa: Active faulting and earthquake hazard assessment
Hall 4B2**

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

Tuesday - Session 6**16:00–17:45****T8.6a - Challenges in Identifying and Characterising Seismogenic Faults in Non-Plate Boundary Settings / Geohazards and societal benefits: coping with reality
Roof Terrace**

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



Tuesday - Session 3

08:00–10:00

T10.3 - History of Geology in Africa MR 1.64

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

Tuesday - Session 4

10:30–12:00

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

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

Tuesday - Session 5

14:00–15:30

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

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

Tuesday - Session 6

16:00–17:45

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

TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 4251	Goethe, geology and polemics on a new science Dr. Ernie Hamm
16:15	# 563	Arab-Islamic scientific heritage, an early episode in the history of volcanology. Mr. Khallaf El Ghalbi
16:30	# 564	Measuring the Specific weight of minerals in Arab-Islamic scientific heritage. Mr. Khallaf El Ghalbi
16:45	# 89	An unexpected treasure – the personal and handwritten notes of the Austrian mineralogist and petrograph Friedrich (Johann Karl) Becke (1855-1931) Dr. Margret Hamilton



17:00	# 3095	Past, present and future status of the National Geological Archives in Poland <i>Prof. Katarzyna Jarmolowicz-Szulc</i>
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Tuesday - Session 3 **08:00–10:00**
T12.3 - Geoethics - Teaching, Training and Communication
MR 2.41 - 2.43

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

Tuesday - Session 4 **10:30–12:00**
T12.4 - Geoethics - Case Studies
MR 2.41 - 2.43

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

Tuesday - Session 5 **14:00–15:30**
T12.5 - Panel discussion - What's the point of Geoethics
MR 2.41 - 2.43

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

Tuesday - Session 6 **16:00–17:45**
T12.6 - Professional Competencies
MR 2.41 - 2.43

TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 24	Professionalism in the Geosciences as practiced in South Africa <i>Mr. Edward Swindell</i>
16:15	# 3876	EurGeol as Competent Person <i>Dr. Isabel Manuela Fernandez Fuentes</i>
16:30	# 629	Improving competency and professionalism in the Australian Institute of Geoscientists <i>Mr. Wayne Spilsbury</i>



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16:45	# 2142	The development of Canada's Competency Profile for Professional Geoscientists at Entry to Practice Mr. Oliver Bonham
17:00	# 3179	Canadian National Professional Practice Examination for Geoscientists: Its Evolution and Future Directions Including International Applicability Mr. Robert Stewart
17:15	# 3701	Preparing Future Geoscientists for Professional Registration Ms. Lindsay Steele
17:30	# 1472	Critical Competencies for Successful New Geoscientists and Approaches for Equipping the Next Generation Dr. Christopher Keane

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

08:00–10:00

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

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

10:30–12:00

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

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

14:00–15:30

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 783	Armoring effect of limestone in acid mine drainage: Static immersion experiments Prof. Liangqi Lei
14:15	# 4779	Characterisation of precipitates formed in anaerobic and aerobic units designed to treat acid mine drainage from an abandoned coal mine in Carolina, Mpumalanga (South Africa) Mr. Obed Novhe
14:30	# 2749	Preliminary screening of gold mine tailings in the context of acid mine drainage and geopolymerization Ms. Leahn Pieterse



14:45	# 5500	The Role of Structural Frequency, Style and Weathering on the Fate and Transport of Chlorinated Solvents in Fractured Bedrock Dr. Kevin Leahy (KEYNOTE SPEAKER)
Tuesday - Session 6 T14.6 - Coastal Studies MR 2.61- 2.63		16:00–17:45
TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 3540	Coastal change as a function of geological settings, natural forcings and anthropogenic drivers – comparative modeling approaches for management strategies Prof. Jan Harff (KEYNOTE SPEAKER)
16:30	# 5065	Archaeological and geological markers reveal the time span and formation rates of the central coastal cliffs of Israel Dr. Ehud Galili
16:45	# 4190	The cost of adapting to sea level rise: Ports, harbours and marinas in the Southeastern Mediterranean Sea Dr. Dov Zviely
17:00	# 3930	A geo-statistical approach to estimate sediment budget and reconstruct large-scale paleo-coastal morphology Dr. Junjie Deng
17:15	# 3509	Assessment of factors contributing to the growth and loss of wetlands in Louisiana, USA Dr. Ricardo Olea
17:30	# 3184	Sediments from the abandoned river valley record low sea level in Pärnu region, eastern Baltic Sea, before the Litorina transgression Triine Post
Tuesday - Session 3 T15.3 - Slope stability - Characterisation and risk management Hall 4B1		08:00–10:00
TIME	PAPER #	PAPER TITLE & AUTHOR
08:30	# 909	An Investigation of the Geotechnical Conditions and Stability of the Town Bush Valley, Pietermaritzburg, South Africa. Mr. Keval Singh
08:45	# 5180	Assessing multi-sensor technologies and methods in monitoring landslide movement in Canada Dr. Peter Bobrowsky
09:00	# 2276	Rock Mass Characterization for Stability Analysis of Cut Slopes in the Ophiolites of Hajar Mountains of UAE & Sultanate of Oman. Mr. Mohammed J Ahmed
09:15	# 917	Kinematic behaviour of a large landslide in the three gorges reservoir – Constraints from field monitoring Prof. Bao-Ping Wen
Tuesday - Session 4 T15.4 - Slope stability - Design and mitigation measures Hall 4B1		10:30–12:00
TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 4983	Landslide hazard assessment through forcing activation of a landslide and conducting of monitoring Ph.D. Andrey Kazeev
10:45	# 233	Geo-engineered slope failure at the power house pit of a power project in the Himalayas, Himachal Pradesh, India – causes and remedies Mr. Ashok Kumar
Tuesday - Session 5 T15.5 - Slope stability - Open pit mining Hall 4B1		14:00–15:30
TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 4587	Slope optimization of an operating open pit mine Ms. Clarice Romer (KEYNOTE SPEAKER)
14:30	# 1399	3D implicit modelling and geometrical analysis of structural fabrics: Implications for future pit design and optimization Dr. Ian Basson
14:45	# 803	Rock mass characterisation of the country rock on the eastern slope of Main Pit at Letšeng Diamond mine, Lesotho Mr. Nkopane Lefu
15:00	# 5612	PREVAILING GEOTECHNICAL HAZARDS AT LETŠENG DIAMOND MINE AND THEIR MITIGATION Ms. Nthabiseng Lephatoe
15:15	# 1676	Formation Mechanism and Stability of a Gentle Dip Bedding Rock Slope: A case Study at Shimen Silica Mine, Liaoyang, China Dr. Jiewei Zhan



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Tuesday - Session 6

16:00–17:45

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

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

Tuesday - Session 6

16:00–17:45

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

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

Tuesday - Session 3

08:00–10:00

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

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

Tuesday - Session 4

10:30–12:00

T17.4 - Mineral deposit footprints Auditorium 2

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 5072	Mineral exploration models from simple fiction to complex reality Prof. Reimar Seltmann (KEYNOTE SPEAKER)



11:00	# 1144	Mineralogy and Osmium Isotope Composition of Placer Platinum Group Element and Gold Grains Recovered from Offshore Southern Namibia: Possible Source Rocks in the Gariep Belt? <i>Dr. Evelyn Mervine</i>
11:15	# 777	The contribution of bismuth melts to gold mineralization: a case study from the Baolun gold ore deposit in Hainan Province of South China <i>Mr. Deru Xu</i>
11:30	# 1723	Effect of the gypsum-salt layer oxidation barrier for ore-formation of Iron-Oxide-Apatite and skarn type iron deposits in the Middle-Lower Yangtze River polymetallic ore Belt, China <i>Dr. Yan He Li</i>
11:45	# 2715	Characterizing behavior of trace elements in source rocks using mathematical modeling <i>Prof. Yongzhang Zhou</i>

Tuesday - Session 5 **14:00–15:30**
T17.5 - New theories and methods in resources exploration
Auditorium 2

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

Tuesday - Session 6 **16:00–17:45**
T17.6 - From Ore Deposits to Global Metallogeny: implications for exploration success
(Sponsored by IAGOD)
Auditorium 2

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

Tuesday - Session 3 **08:00–10:00**
T18.3 - Ore-forming processes associated with hypabyssal magmatic and related volcanic systems
(Sponsored by IAGOD)
Ballroom East

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 2177	A Cretaceous granite-related stratiform Cu ore hosted in Triassic basalt, SW China <i>Mr. Jiawei Zhang</i>
08:15	# 2259	Geochronology of the giant Beiya gold-polymetallic deposit in Yunnan Province, Southwest China and its relationship with the petrogenesis of alkaline porphyry <i>Dr. Xiaoming Sun</i>
08:30	# 1365	Nano- to micron-particulate gold hosted by magnetite from the Beiya gold deposit, SW China <i>Dr. Haoyang Zhou</i>
08:45	# 2293	Iron-oxide apatite deposits in eastern China formed by accumulation of magmatic hydrosaline chloride liquids <i>Dr. Xin-Fu Zhao</i>



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09:00	# 3322	Nucleus deposit: a superposed (?) Au-Bi-As-Cu mineralized system at Mountain Freegold, Yukon, Canada, with constraints from molybdenite Re/Os and titanite U/Pb geochronology Dr. Thierry Bineli Betsi
09:15	# 3123	Dictionema Shales and Obolus Sandstone (Phosphorite) of the Baltic Sedimentary Basin: New Type of Complex Ore for Rhenium and Uranium, Platinoids and Rare-Earth Metals Dr. Vladimir Vyalov
09:30	# 3570	Molybdenite Re–Os, zircon U–Pb dating and Lu–Hf isotopic analysis of the Xiaerchulu Au deposit, Inner Mongolia Province, China PhD. candidate Wang Jiaxin
09:45	# 1319	Geochemical characteristics and metallogenic significance of igneous rocks from Zhunuo porphyry copper deposit, Tibet Mr. Ying-Chun Pang

Tuesday - Session 4 10:30–12:00

T18.4 - Processes governing ore formation in the Bushveld Complex and other mafic and ultramafic magmatic systems (IAGOD-CODMUR sponsored)

Ballroom East

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 981	The Bushveld Complex: an overview of its structure, concepts on its origin, age and outstanding controversial issues Prof. Allan Wilson (KEYNOTE SPEAKER)
11:15	# 1164	Bushveld's base has foundered Prof. Nicholas Arndt
11:30	# 3436	Field observations bearing on the origin of UG1/UG2 chromitites in the Bushveld Complex Mr. Rais Latypov
11:45	# 3052	A step forward in understanding 3D magmatic structures and ore deposits Dr. Emma J. Hunt

Tuesday - Session 5 14:00–15:30

T18.5 - Processes governing ore formation in the Bushveld Complex and other mafic and ultramafic magmatic systems (IAGOD-CODMUR sponsored)

Ballroom East

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 3833	Trace element profiles through the Bushveld UG2 chromitite: alkali mobility and post-cumulus reworking in a redox potential gradient Dr. Robert Trumbull
14:15	# 3947	The emplacement mechanism of the UG-1 chromitite in the Bushveld Complex, South Africa Dr. Ria Mukherjee
14:30	# 4439	Magmatic reaction and replacement phenomena associated with iron-rich melts migrating through the Upper Critical Zone, Rustenburg Layered Suite, Bushveld Complex Prof. David Reid
14:45	# 2778	Results of a high resolution mineralogical and geochemical study within the Merensky reef, Western Limb, Bushveld complex Mrs. Justine Magson
15:00	# 3337	In situ Sr isotope evidence for plagioclase mingling in the UG2 layer of the Bushveld complex (South Africa) Dr. Ilka Kleinhanns
15:15	# 3058	Sm–Nd isotopic evidence for sampling of multiple sources during the emplacement of the Upper Critical Zone, Bushveld Complex, South Africa Dr. Roger Scoon

Tuesday - Session 6 16:00–17:45

T18.6 - Processes governing ore formation in the Bushveld Complex and other mafic and ultramafic magmatic systems (IAGOD-CODMUR sponsored)

Ballroom East

TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 244	Hypothesis of non-sequential injection of PGE-rich ultramafic sills in earlier-formed noritic cumulates at Akanani (Platereef), Northern Section of the Bushveld Complex: Evidence from new Sm–Nd isotopic data Dr. Roger Scoon
16:15	# 4566	Distinguishing multiple sulphide zones in the Platereef within a single core from the Turfspruit Farm prospect, Northern Limb of the Bushveld Complex Ms. Eva Marquis
16:30	# 1384	Platinum-group element contents of some Karelian and Kaapvaal kimberlites: implications for the PGE budget of the sub-continental lithospheric mantle Prof. Wolfgang Maier
16:45	# 3061	The metallogenesis of the lithospheric mantle and its bearing on the Bushveld magmatic event: Evidence from lamprophyric dykes and critical metals in mantle xenolith sulphides Dr. Hannah Hughes



17:00	# 3359	Anatomy of a LIP-forming conduit system in the Deep Crust: The Seiland Igneous Province, Northern Norway Dr. Rune Larsen B.
17:15	# 4182	Offset PGE reefs revisited: equilibrium and diffusive partitioning in action Dr. David Holwell
17:30	# 2843	Top down formation of the Sonju Lake intrusion (Duluth Complex USA) with implications for formation of PGE reef deposits Dr. Craig Lundstrom

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

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

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

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

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

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 104	Coal Geology - A scientific building block for underground Coal Gasification (UCG) Dr. Johan Van Dyk
14:15	# 4571	Identifying the mineral drivers of abrasiveness in the Waterberg coal reserve Mr. Nicolas Boonzaier
14:30	# 1453	Mineralogical Reactions in Low and High Ash South African Coals during Pulverised-fuel Combustion Prof. Colin Ward
14:45	# 5008	The Evaluation of Coal Qualities for Circulating Fluidised Bed Boiler Technology for an IPP project at Delmas, Mpumalanga Ms. Nicolene Rina Rabe
15:00	# 1455	Alleviation of slagging in a pf boiler through selective mining and coal blending: a case study from Leigh Creek, South Australia Dr. David French
15:15	# 4346	Comparison of vitrinite reflectance in samples from 6 different coalfields of Botswana Prof. Nicola Wagner



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Tuesday - Session 6 T19.6 Coal Westin - Marco Polo

16:00–17:45

TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 425	Simulation of CO ₂ process for enhanced Coalbed Methane (ECBM) recovery at early stage of Production- A case study from Jharia Coalfield, India <i>Dr. Bibhas Karmakar</i>
16:15	# 538	Variability of Pb-isotopes in the East Indian Gondwana Coal deposits: its influence on Kolkata street dust <i>Dr. Rajeve Kumar</i>

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

08:00–10:00

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

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

10:30–12:00

TIME	PAPER #	PAPER TITLE & AUTHOR
11:00	# 5519	Successful Lithology and Fluid Prediction based exploration in East Africa, Tanzania, Block 2 <i>Edwin Schomacker (KEYNOTE SPEAKER)</i>
11:30	# 5524	The outstanding exploration successes of Rovuma Basin after 60 Years of disappointing results in East African Coastal Basin <i>Marco Orsi (KEYNOTE SPEAKER)</i>
11:45	# 5521	The Influence of the Davie Fracture Zone in the petroleum systems, offshore East African Mozambique margin <i>E. S. Mahanjane</i>
12:00	# 1318	Regional interpretation of seismic horizons along the east coast of South Africa <i>Mr. Sean Davids</i>

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

14:00–15:30

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 2874	The Petroleum System of the Walvis and Orange Basins, Namibia <i>Dr. Marcio Rocha Mello (KEYNOTE SPEAKER)</i>
14:30	# 1145	Petroleum geology of the A-J graben, Orange Basin, South Africa <i>Mr. David van der Spuy</i>
14:45	# 3666	Petroleum Systems of the Angolan Margin <i>Dr. Laura Mackay</i>
15:00	# 1679	The Petroleum Geology and Hydrocarbon Potential of the Atlantic Margin Basins of Namibia <i>Mr. Matthew Taylor</i>
15:15	# 3214	The prospectivity of the deep water Orange Basin, offshore Namibia and South Africa <i>Mr. Piet Lambregts</i>

Concurrent Session - Tuesday - Session 6 T20.6 - Petroleum Systems of Eurasia MR 1.43 - 1.44

16:00–17:45

TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 1076	Upper Cretaceous to recent paleo-submarine channel seismic stratigraphy in the Southern Orange Basin, offshore South Africa <i>Mr. Jonathan Salomo</i>
16:15	# 5529	Petroleum systems of West Africa salt Basins: a review <i>Mr. Delhaye-Prat Vincent</i>
16:30	# 5536	Petroleum Systems of the Tano-Ivorian Basin, Gulf of Guinea <i>Dr. Justine Tinker</i>



16:45	# 5535	Petroleum System Analysis of the Deepwater Mauritania/Senegal Basin <i>Tracy Henderson</i>
Tuesday - Session 5		14:00–15:30
T25.5 - General / Critical Metals in Intracontinental Geodynamic Settings		
Westin - Victoria & Alfred		
TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 5268	Critical Metals and Materials, an African perspective. <i>Prof. Paul Nex</i>
14:15	# 736	COLTAN in Colombia: strategic or conflict material? <i>Mr. Amed Bonilla</i>
14:30	# 5236	The critical role of the Bushveld magmatic event for a modern society <i>Prof. Judith Kinnaird (KEYNOTE SPEAKER)</i>
15:00	# 4040	A review of scandium in carbonatites and alkaline igneous rocks of Africa. <i>Mr. Pete Siegfried</i>
15:15	# 1585	An investigation of rare earth element enrichment processes associated with oxidative alteration of mafic alkaline magmas <i>Mr. Manoka Marageni</i>
Tuesday - Session 6		16:00–17:45
T25.6 - Critical Metals in Intracontinental Geodynamic Settings		
Westin - Victoria & Alfred		
TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 2991	Potential rare earth element metallogenetic belts in Africa <i>Dr. Kathryn Goodenough</i>
16:15	# 2714	Direct and indirect evidence for the composition of REE-mineralising fluids <i>Dr. Sam Broom-Fendley</i>
16:30	# 4227	An in-situ chemical and isotopic investigation of carbonatitic apatite and the significance of rare earth element systematics <i>Dr. Wei Chen</i>
16:45	# 5208	Peralkaline Igneous Complexes: The Frontier of REE Deposits <i>Dr. Emma Hunt</i>
17:00	# 1630	Metamorphic control on REE redistribution in alkaline complexes – the Norra Kärr example <i>Mrs. Petya Atanasova</i>
17:15	# 5640	Rediscovering the Panda Hill niobium-rich carbonatite in Tanzania <i>Mr. Neil Inwood</i>
Tuesday - Session 3		08:00–10:00
T26.3 - Understanding The Mineral Life Cycle / Criticality and Possible Resource Limits		
MR 1.61		
TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 1184	The role of African Geological Surveys in attracting mineral investment into Africa <i>Dr. Gabriele Schneider</i>
08:15	# 5433	Key enablers of a successful mining industry: Lessons from South Africa <i>Ms Fatheela Brovko / Prof. Ray Durrheim</i>
08:30	# 3319	3D mapping for mineral exploration under cover: continental to regional scale examples in Australia <i>Dr. Richard Blewett</i>
08:45	# 2988	Reforming Kyrgyzstan's Mining Sector <i>Dr. Zilaliev Duishenbek</i>
09:00	# 3389	Global Resource Assessments of Primary Metals: An Optimistic Reality Check <i>Dr. Gavin Mudd</i>
09:15	# 2731	Resources Depletion Scenarios - How should we address the limitations? <i>Mr. Stephen Northey</i>
09:30	# 2993	Global rare earth element resources and challenges for production <i>Dr. Kathryn Goodenough</i>
09:45	# 5530	Technological Dreams: Building additional human and technological capacity in developing countries and development <i>Jeannette McGill</i>
Tuesday - Session 4		10:30–12:00
T26.4 -The Urban Mine		
MR 1.61		
TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 1713	Mineral exploration and the challenges for the future supply of minerals <i>Mr. Marcio Godoy</i>
10:45	# 4797	RAW MATERIALS FUTURES 2050: a review of recent and ongoing foresight exercises in Europe <i>Vitor Correia</i>



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11:00	# 3916	Process metallurgy: A key enabler of a circular economy Prof. Markus Reuter (KEYNOTE SPEAKER)
11:30	# 5287	The industrial approach to metal recycling - opportunities and challenges to close the loop for technology metals Dr. Christian Hagelueken
11:45	# 4787	The EU International observatory for raw materials: Enhancing framework conditions for a stable supply of raw materials Vitor Correia

Tuesday - Session 5 T26.5 - The Urban Mine MR 1.61

14:00–15:30

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

Tuesday - Session 6 T28.6 - Carbonate Sedimentology MR 1.41 - 1.42

16:00–17:45

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

Tuesday - Session 3 T29.3 - Rift basins and rifted margins: architecture and evolution Hall 4B3

08:00–10:00

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



09:15	# 199	Tectonic and sedimentary evolution of the Babouri-Figuil and Mayo Oulo Cretaceous rift basins (Northern Cameroon) <i>Mr. Elie Fosso Menkem</i>
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Tuesday - Session 4 **10:30–12:00**
T29.4 - Rift basins and rifted margins: architecture and evolution
Hall 4B3

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

Tuesday - Session 5 **14:00–15:30**
T29.5 - Recent advances in foreland basin systems
Hall 4B3

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

Tuesday - Session 6 **16:00–17:45**
T29.6 - Recent advances in foreland basin systems
Hall 4B3

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

Tuesday - Session 3 **08:00–10:00**
T30.3 - Geology and Tectonics Of the Himalayan Orogenic Belt
Auditorium 1

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 1688	Neotectonically controlled block tilting and its influence on drainage and soil characteristics of the Sone megafan: A study of the Himalayan tectonics to the south of the Ganga River <i>Dr. Pitambar Pati</i>



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08:15	# 4351	The Mw 6.7, 2016, Imphal earthquake and its implications on the seismic hazard along the Indo-Burmese plate Ms. Revathy Parameswaran
08:30	# 4300	Interpreting bedrock uplift and channel morphology for tectonic interpretation in Alaknanda valley, Garhwal Himalaya, India Dr. Naresh Rana
08:45	# 4694	Exhumation and weathering history of the Himalayan frontal system Dr. Ryan McKenzie
09:00	# 4724	The identification of the orographic barrier in Chenab River Basin and its role in the slope stability condition Dr. Ravindra Pratap Singh / Prof. Chandra Shekhar Dubey
09:15	# 2838	Ar/Ar ages from the Shergol blueschist unit, Indus suture zone, Ladakh: preservation of early stages of subduction of the Neotethys Dr. Johann Genser
09:30	# 4009	Cenozoic Continental Subduction in the NW-Himalaya: from steep to sub-horizontal configuration of the Indian Plate Dr. Arvind K. Jain (KEYNOTE SPEAKER)

Tuesday - Session 3

08:00–10:00

T30.3a - Interrelationship between Deformation and Metamorphism during Orogenesis Westin - Ballroom East

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 150	Constrain multistage deformation using FIAs, Garnet Lu-Hf and Monazite U-Pb dating- A case study of north Qilian, China Dr. Hui Cao (KEYNOTE SPEAKER)
14:30	# 685	Geochemical and geochronological studies on two bimodal magmatism in the eastern Tianshan Belt, Northwest China and implications for the Later Paleozoic tectonic evolution Dr. Xijie Chen
14:45	# 688	India-Asia collision near the western syntaxis: paleomagnetic constraints from Late Cretaceous volcanic rocks at the westernmost Lhasa Terrane Dr. Zhiyu Yi
15:00	# 852	Kinematics, fabrics and geochronology analysis in the Médog shear zone, Eastern Himalayan Syntaxis Dr. Hanwen Dong
15:15	# 1750	Discussion on Cenozoic tectonic evolution and tectonic dynamics of the Huanghua depression Dr. Min Dong

Tuesday - Session 4

10:30–12:00

T30.4 - Geology and Tectonics Of the Himalayan Orogenic Belt Auditorium 1

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 2623	Geochemistry, zircon U-Pb geochronology and Lu-Hf isotope of granitoids and microgranular enclaves from Ladakh batholith, Indian Himalaya: Evidence of synchronous mixing-fractionation and chemical re-equilibration Prof. Santosh Kumar
10:45	# 109	Tectonic Framework of Orogenic belts and Basins System in abdomen of Asia Mr. Yang Zhanlong
11:00	# 3939	Timing of tectonic evolution of the East Kunlun Orogen, Northern Tibet Plateau Dr. Yunpeng Dong
11:15	# 1873	Paleomagnetic results from the Early Cretaceous lava flows: Constraints on the paleolatitude of the Tethyan Himalaya and the India-Asia collision Dr. Tianshui Yang
11:30	# 1984	Reconstruction of the Himalayan Architecture: Insights from the Tethyan Himalayan Decollement and the Great Himalayan Thrust Prof. Zhiqin Xu
11:45	# 2514	Integrating themokinematic models and balanced cross sections to determine the geometry, sequence and rate of faulting through the eastern Himalaya Dr. Nadine McQuarrie

Tuesday - Session 4

10:30–12:00

T30.4a - Interrelationship between Deformation and Metamorphism during Orogenesis Westin - Ballroom East

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 5216	Thermal softening of continental crust, strain localization, and low-pressure, high-temperature metamorphism: Insights from the Mary Kathleen Zone, Mount Isa Inlier (Australia) Dr. Juergen Reinhardt (KEYNOTE SPEAKER)
11:00	# 2607	Fluid-induced Strain localization and the Fe enrichment-A case study of the Gongchangling Iron Mine, NE China Dr. Qing Zhang
11:15	# 2755	An Appraisal of Precambrian Geology of Coastal Maharashtra, India Dr. Lalitkumar Kshirsagar
11:30	# 2883	Indo-Asian Collision: Tectonic Transition from Compression to Strike Slip Prof. Zhiqin Xu
11:45	# 3120	Post Indian plate-Kohistan Island Arc collision tectonics of the northwest Himalaya at the Main Mantle Thrust, Lower Swat, Pakistan Dr. Asghar Ali



Tuesday - Session 5
T30.5 - Geology and Tectonics Of the Himalayan Orogenic Belt
Auditorium 1

14:00–15:30

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

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

08:00–10:00

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

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

10:30–12:00

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



Tuesday 30 August

Tuesday - Session 5

14:00–15:30

T35.5 - Isotope Geoscience
Westin - Sir Francis Drake

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 4791	Surface water – groundwater interactions in alluvial contexts: constraints using single and multi-isotope tracers Dr. Emmanuelle Petelet-Giraud (KEYNOTE SPEAKER)
14:30	# 4725	Fractionation of lithium isotopes during granite weathering revealed in waters, saprolites, soils and sediments (Massif Central, France) Dr. Philippe Negrel
14:45	# 4582	A palaeoenvironmental proxy with more bite: assessing the applicability of O-isotopes in micromammal teeth Dr. Milo Barham

Tuesday - Session 6

16:00–17:45

T35.6 - Isotope Geoscience
Westin - Sir Francis Drake

TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 5295	Palaeozoic to Archaean zircons in rocks derived from the Galapagos mantle hotspot: where do they come from? Dr. Yamirka Rojas-agramonte (KEYNOTE SPEAKER)
16:30	# 2813	Two different Neoproterozoic-Cambrian sedimentary basins of Dzabkhan continental block (Central Asian fold belt) Dr. Irina Vishnevskaya
16:45	# 4663	The oxygen isotope study of zircon grains from Catanda extrusive carbonatite (Angola). Prof. Stanislaw Wolkowicz
17:00	# 2964	Origin of hydrocarbon gases accumulated in the Zechstein Main Dolomite reservoir in Wielkopolska Province of the Polish Permian Basin Ms. Elżbieta Bilkiewicz

Tuesday - Session 3

08:00–10:00

T36.3 - LIPs/Alkali Complexes
MR 1.41 - 1.42

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 3369	Magmatic complexes of the Urals that may belong to Large Igneous Provinces Dr. Victor Puchkov
08:15	# 5309	Geochemistry of the High-Ti Flood Basalts in Mid-Eastern Emeishan Large Igneous Province, SW China Mr. Guangshu Yang
08:30	# 4770	Magma plumbing to the 2014-15 Holuhraun eruption, Iceland Mr. Harri Geiger
08:45	# 4941	Seismic imaging of sills, dykes and hydrothermal vents in the Main Karoo Basin, South Africa: implications for shale gas potential Prof. Susan Webb / Dr. Stephanie Scheiber-Enslin
09:00	# 595	Coronite structures in ferrogabbros as evidence for the existence of a high-Fe melt: Example from the Elet'ozero intrusive complex (north Karelia, Russia) Dr. Evgenii Sharkov
09:15	# 345	PGE - bearing sulphides in mafic-ultramafic sills and dykes of Krishnarajpet and Hadanur- Tagadur belts, Western Dharwar Craton (India) Mr. Nibin Tom
09:30	# 5258	Coupled S and Pb isotopic systematics of the ~2.06 Ga Phalaborwa phosphorite-carbonatite complex: sulphur sources and age of sulphide mineralization Dr. Robert Bolhar
09:45	# 3536	Mesoproterozoic Miaskitic Alkaline Magmatism and its Manifestation in the Cuddapah Intrusive Province of Peninsular India: A petrological and Geochemical study Dr. Ragi Reddy

Tuesday - Session 4

10:30–12:00

T36.4 - Alkali Complexes/Ophiolites
MR 1.41 - 1.42

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 3745	The miaskitic-to-agpaitic transition in the Pilanesberg alkaline complex, South Africa Prof. Tom Andersen
10:45	# 3627	The Mesoproterozoic Pilanesberg Complex - age and whole rock geochemistry Prof. Marlina Elburg
11:00	# 376	Chemistry of Chrome-Spinel in serpentinite of the Taka, Central India: Its genetic significance. Dr. Rajkumar Meshram
11:15	# 358	Petrogenesis of chromitite pods in Andaman ophiolite: magmatic evolution in two stages of melt-rock interaction Dr. Tapan Pal
11:30	# 1579	Study of Archaean mafic-ultramafic rocks from a partly preserved ophiolite complex of Bangriposi and Kuliana areas, Orissa, eastern India Dr. Arijit Ray



Tuesday - Session 5
T36.5 - Granite Keynotes
MR 1.41 - 1.42

14:00–15:30

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

Tuesday - Session 3
T37.3 - Gems: bringing the World together
Westin - Seal/Robben

08:00–10:00

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

Tuesday - Session 4
T37.4 - Gems: bringing the World together
Westin - Seal/Robben

10:30–12:00

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

Tuesday - Session 5
T37.5 - Mineralogy
Westin - Seal/Robben

14:00–15:30

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



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Tuesday - Session 6
T37.6 - Mineralogy
Westin - Seal/Robben

16:00–17:45

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

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

08:00–10:00

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

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

10:30–12:00

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

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

14:00–15:30

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



15:00	# 2166	Pelitic high-P granulites from the Huai'an Complex, North China Craton: Metamorphic evolution and geological significance <i>Dr. Jialin Wu</i>
15:15	# 1239	P–T–t evolution of the Wutai–Hengshan area, North China Craton: insights from phase equilibria and geochronology of garnet amphibolites <i>Dr. Jiahui Qian</i>

Tuesday - Session 6**16:00–17:45****T38.6 - Challenges in High-grade metamorphism and crustal melting****Westin - Diaz & Da Gama**

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

Tuesday - Session 3**08:00–10:00****T40.3 - Continental Shelves****Ballroom West**

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

Tuesday - Session 4**10:30–12:00****T40.4 - Continental Shelves****Ballroom West**

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



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Tuesday - Session 5

14:00–15:30

T40.5 - IODP
Ballroom West

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

Tuesday - Session 6

16:00–17:45

T40.6 - IODP
Ballroom West

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

Tuesday - Session 3

08:00–10:00

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

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

Tuesday - Session 4

10:30–12:00

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

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 4550	Palaeoecology and palaeoenvironments of Glossopteris forests from the heart of Gondwana: the Lambert Graben, east Antarctica Prof. Stephen McLoughlin
10:45	# 3857	The Pristerognathus AZ and the aftermath of the Capitanian extinction event in the main Karoo Basin Dr. Michael Day
11:00	# 3735	Tapinocephalid dinocephalians, the first large terrestrial tetrapods – Potential for refined Middle Permian Biostratigraphy? Prof. Bruce Rubidge



11:15	# 691	Preliminary findings: An in depth litho- and biostratigraphic analysis of the Lower Beaufort Group, Karoo Supergroup, between Jagersfontein and the Orange river in the central Free State Province, South Africa, and implications for the depositional history of a distal bulge. Mr. David Groenewald
11:30	# 5279	Tetrapod biocorrelation of Pangea: the Permo-Triassic terrestrial vertebrate faunas of South Africa and Russia Dr. Fernando Abdala
11:45	# 4456	On the evolutionary history of the Gorgonopsia, with new information on their global first and last appearances Dr. Christian Kammerer

Tuesday - Session 5**14:00–15:30****T44.5 - Palaeozoic-Mesozoic Ecosystems of Gondwana
Reg Foyer 2**

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 4679	The Beaufort-Stormberg contact in the main Karoo Basin – the most important unconformity surface for understanding the basin's development Dr. Philip John Hancox
14:15	# 5347	South Africa's Triassic-Jurassic sauropodomorph fauna: phylogenetic fit to stratigraphy, evolutionary rates, and the biased appearance of characters in time Prof. Jonah Choiniere
14:30	# 3618	The fossil plants from the Middle Triassic Linjia Formation in Benxi of eastern Liaoning, China and its paleoclimatic implication Prof. Yi Zhang
14:45	# 617	Paleoecological and taphonomic analysis of Permian coal seam of Rio Bonito Formation, Paraná basin, western Gondwana Dr. Fresia Ricardi-Branco
15:00	# 90	Paleoneurology of Therapsida (Synapsida) and the Evolution of soft tissue traits in the mammalian ancestry Dr. Julien Benoit
15:15	# 833	Southeastern Australia's Cretaceous polar tetrapods in a Greenhouse World Dr. Thomas Rich (Accepted - Poster Speaker)

Tuesday - Session 6**16:00–17:45****T44.6 - The Dawn of Animals: Cryogenian to Cambrian
Reg Foyer 2**

TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 2770	Systematic description of putative animal fossils from the early Ediacaran Lantian Formation of South China Dr. Bin Wan
16:15	# 3960	An Early Ediacaran Predator from the Southwestern Siberian Craton: When did the Dawn of Metazoan Begin? Dr. Julius Sovetov
16:30	# 4316	Ediacaran tubular fossils with Burgess Shale-type preservation, Arroyo del Soldado Group, Uruguay Dr. Claudio Gaucher
16:45	# 1068	Why Corumbella is a Cloudinid and not a Conularid Dr. Bernd Erdtmann / Dr. Detlef Walde
17:00	# 4165	Ediacaran macroalgae and the early evolution of animals Mrs. Natalia Bykova
17:15	# 3612	Behavioural and taphonomical testimony of Treptichnus pedum, inferences from the Nagaur Sandstone, Marwar Supergroup, India Dr. Mukund Sharma
17:30	# 1678	The Last of the Ediacara Biota: The Precambrian-Cambrian Boundary at Mt. Dunfee, Nevada, USA Dr. Emmy Smith

Tuesday - Session 5**14:00–15:30****T45.5 - Unmanned aerial vehicles (UAV)-based technologies for geology and Earth sciences / Applications of X-ray
computed tomography in the Earth Sciences
Westin - Prince Edward/Schappen**

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 2613	New capabilities of aeromagnetic methods based on unmanned aerial vehicle for monitoring of geodynamic processes Миссис Victoria Kurmaeva
14:15	# 1920	The aeromagnetic survey using non-magnetic unmanned aerial platform in Kaluga region (Russia) Dr. Sergey Cherkasov
14:30	# 756	Role of Unmanned Aircraft and Sensor Miniaturization in Geology Dr. Marc Goossens
14:45	# 2093	Mineral quantification at the nanoscale by combining synchrotron radiation x-ray tomography, fluorescence and diffraction Dr. Jussi-Petteri Suuronen
15:00	# 4557	Determination of Hematite and Magnetite Attenuation Coefficients for the Optimisation of X-ray Computed Tomography Scanning Resolution Mr. Lunga Bam
15:15	# 4412	Use of drones for aeromagnetic surveys; an overview Dr. Marina Diaz Michelena



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Tuesday - Session 6

16:00–17:45

T45.6 - Applications of X-ray computed tomography in the Earth Sciences Westin - Prince Edward/Schappen

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

Tuesday - Session 3

08:00–10:00

T47.3 - The Carboniferous World: Assembly of Pangaea and Onset of Late Paleozoic Glaciations Reg Foyer 1

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 2956	The Carboniferous World: Assembly of Pangaea and Onset of late Paleozoic Glaciations Dr. Barry Richards (KEYNOTE SPEAKER)
08:30	# 4008	Characterization of conodont biostratigraphy in the basal Moscovian boundary interval at the Naqing section, Loudian, Guizhou, South China Dr. Lance Lambert
08:45	# 1779	Ice volume and paleoclimate history of the Late Paleozoic Ice Age from conodont apatite oxygen isotopes from Naqing (Guizhou, China) Dr. Bo Chen
09:00	# 5024	Climatic control on salinity gradient across the US Midcontinent Sea during Pennsylvanian glacio-eustatic highstands Dr. Michael Joachimski
09:15	# 1689	Refining the Carboniferous-Permian Successions of the Paraná Basin, Brazil via High-Resolution Zircon U-Pb CA-TIMS Dating Mr. Neil Griffis
09:30	# 2500	Linked Shifts in Glacial-Interglacial CO ₂ , Climate and Terrestrial Carbon Cycling During Earth's Last Icehouse Dr. Isabel Montanez
09:45	# 3727	The evidence of the Late Paleozoic Glaciation in South China Dr. Xiangdong Wang

Tuesday - Session 4

10:30–12:00

T47.4 - Permian global events and correlations Reg Foyer 1

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

Tuesday - Session 5

14:00–15:30

T47.5 - Permian global events and correlations Reg Foyer 1

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 1871	Detrital zircon age population study from rocks of the Karoo Supergroup, Eastern Cape Province of South Africa Ms. Laura Bowden
14:15	# 942	The Permian-Triassic succession in the southern Sydney Basin, southeastern Australia: a unique and complete stratigraphic record of global changes during the Palaeozoic-Mesozoic transition Prof. Guang R. Shi



14:30	# 3740	Seismites in transgressive Lower Gondwana (Permian) succession, West Bokaro Coalfield, India: tectono-sedimentary and sequence stratigraphic implications Dr. Biplab Bhattacharya
14:45	# 3037	Impoverished hard substrate biotas in the aftermath of the end-Permian mass extinction: evidence from East Greenland Dr. Michal Zaton
15:00	# 4545	Collapse and rebuilding of marine ecosystems during the P-Tr transition in Gondwana world Prof. Zhong-Qiang Chen (KEYNOTE SPEAKER)

Tuesday - Session 6**16:00–17:45****T47.6 - IGCP 630: Permian and Triassic integrated Stratigraphy and Climatic, Environmental and Biotic Extremes
Reg Foyer 1**

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

Tuesday - Session 3**08:00–10:00****T48.3 - Meteorite Impacts and Meteorite studies
Westin - Sir Francis Drake**

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

Tuesday - Session 4**10:30–12:00****T48.4 - Meteorite Impacts and Meteorite studies
Westin - Sir Francis Drake**

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



Tuesday 30 August

Tuesday - Posters

17:45–19:00

T1.P2 - Geoheritage and Conservation
Exhibition

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

Tuesday - Posters

17:45–19:00

T3.P2 - Public Sector Geoscience and Geological Surveys
Exhibition

PAPER #	PAPER TITLE & AUTHOR
# PB07	Methods and results of regional geochemical prospecting of petroliferous deposits Dr. Victor Kilipko
# PB08	Geochemical map of Russia in scale 1:2 500 000 Dr. Victor Kilipko

Tuesday - Posters

17:45–19:00

T4.P2 - Climate Change Studies
Exhibition

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



Tuesday - Posters

17:45–19:00

T5.P2 - Groundwater and Hydrogeology
Exhibition

PAPER #	PAPER TITLE & AUTHOR
# PB19	The importance of scale in studying interactions between surface and hyporheic zone processes Dr. Oana Teodora Moldovan
# PB20	Adaptation of RDM for karst groundwater management in Southwest China Ms. Lichao Yang
# PB21	Comparison of Atmospheric CO ₂ Consumption of Carbonate Rock Weathering with Silicate Rock One in the Pearl River Basin, China Prof. Zhongcheng Jiang
# PB22	Hydrogeochemistry of Groundwater in a part of Alluvial terrain in Central India Prof. Laxmi Prasad Chourasia
# PB23	Groundwater recharge quantification from historical rainfall records and salinity profiling in the RAMSAR listed Verlorenvlei catchment Ms. Anya Eilers
# PB24	Geochemical assessment of disposal sludge from water treatment plant (WTP) on soil and underground aquifer, Brazil Dr. Rosely Imbernon
# PB25	The development of a sampling protocol for radioactive elements in a fractured rock aquifer of South Africa Dr. Gaathier Mahed
# PB26	3D Numerical Groundwater Flow Modeling in Kohat Sub Basin, Northwest Himalayan Fold & Thrust Belt Pakistan Mr. Majid Khan
# PB27	Alarming Nitrate contents in groundwater in semi-arid region in South India: Analyzing for its vulnerability Dr. Pagadala Damodaram Sreedevi
# PB28	Groundwater role on the ecological preservation of the Biguglia lagoon (Corsica, France) Dr. Emilie Garel / Pr. Frederic Huneau
# PB29	Construction of calibration facilities of slim hole logging system for aquifer characterization Dr. Seho Hwang
# PB30	Determination of groundwater sustainable yield using numerical modelling approach Dr. Lixiang Lin
# PB31	Geophysical delineation of AMD in the Cradle of Humankind Dr. Michael van Schoor

Tuesday - Posters

17:45–19:00

T6.P2 - Soil Science
Exhibition

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

Tuesday - Posters

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T7.P2 - Geoscience Data and Information Systems
Exhibition

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



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Tuesday - Posters

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T8.P2 - Geohazards Exhibition

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

Tuesday - Posters

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T12.P2 - Global Geoscience Professionalism and Geoethics Exhibition

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

Tuesday - Posters

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T14.P2 - Environmental Geosciences Exhibition

PAPER #	PAPER TITLE & AUTHOR
# PB61	Hydrogeochemical assessment of groundwater quality in the Soutpansberg Basin around Tshikondeni, Limpopo Province, South Africa Dr. Ntokozo Malaza
# PB62	The Use of Software for Valuation of the Glacial and Periglacial Environment of the Chaschuil Valley, Fiambalá, Argentina, Using Satellites Images Ing. Agrimensor Marcelo Ernesto Savio



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

Tuesday - Posters

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T15.P2 - Engineering Geology and Geomechanics Exhibition

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



Tuesday - Posters

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T17.P2 - Mineral Exploration Exhibition

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

Tuesday - Posters

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T18.P2 - Mineral Deposits and Ore Forming Processes Exhibition

PAPER #	PAPER TITLE & AUTHOR
# PB93	Mineralogy of the pegmatoidal Pseudo reef in the western Bushveld Complex, South Africa. Mr. Emil Burger
# PB94	Platinum group elements in south Longzhou Mountains, Sichuan, SW China Dr. Marian Munteanu
# PB95	Mineralogical characterization of Ni-Cu-PGE-bearing mafic dikes of the Lusatian Block (Germany/Czech Republic) Prof. Thomas Seifert
# PB96	Nano-entity formation prior to the crystallisation of platinum-group minerals: fundamental control by electron cloud interaction? Prof. Marian Tredoux
# PB97	Recognition of similarities between the Critical Zone and deep Platereef (Bushveld Complex) Dr. Marina Yudovskaya
# PB98	Characterization of Platinum Group Element distribution in Sulphide Ores within the Merensky Reef at Modikwa and Two Rivers Platinum Mines, Eastern Bushveld Complex South Africa. Ms. Nosibulelo Zilibokwe
# PB99	Petrological and Mineralogical Characteristics Discussion of Diamond-bearing Mother Rock in Zhenyuan Area, Guizhou Mr. Yuan Cheng Huang
# PB100	Structural and geomorphological criteria for localizing hidden deposits of rare-metal weathering crusts of diamond and kimberlite pipes Dr. Alexander Kremenetskiy
# PB101	The Discovery a Paleo-oil Reservoir and Study on Relationship between Ore Forming and Hydrocarbon Accumulation in Qinglong Antimony Deposit, Guizhou China Dr. yuzhao Hu
# PB102	Rhenium bearing sands of Moscow lignite basin Dr. Alexander Kremenetskiy
# PB103	New unconventional type of zircon mineralization Dr. Elena N. Levchenko
# PB104	General patterns in the distribution of gold and diamonds deposits, oil and gas fields, and accumulations of other minerals Dr. Alexander Likhachev
# PB105	A new occurrence of cassiterite as “wood tin” in Saxony, Germany M.Sc. Tobias Petermann
# PB106	Post collision magmatism and metallogeny at the southern part of the Balkan Peninsula, SE-Europe Prof. Todor Serafimovski
# PB107	To the problem of rhenium extraction in the areas of modern volcanism Dr. Igor Spiridonov
# PB108	Characterising potential gem quality garnet and tourmaline pegmatite veins, Giyani Greenstone Belt, South Africa Mr. Nicolaas Steenkamp
# PB109	Petrogenesis and Geochemical Characteristics of Nangarhar Talc Deposits, Afghanistan Mr. Muhammad Tahir
# PB110	Geology and Alteration Controls of Cu-Au Porphyry Style Mineralization of the Ryabinovoe Ore Field (Central Aldan, South Yakutia) Nadezhda Shatova



# PB111	Mineralization Features of the Kencana Au-Ag-Te Epithermal Deposit, Gosowong Goldfield, Halmahera, Indonesia Dr. Thomas Tindell
# PB112	Quebrada de la Mina, a new porphyry Au deposit (31° 29' S, 70° 32' W) in the Andean Main Cordillera of San Juan, Argentina: a petrogenetic analysis Dr. David Lentz
# PB113	The Parasitic Zircon of Mafic Dikes in the Xidaming Mountain of Guangxi Province of China and its Significance Changhao Xiao
# PB114	Cu mineralisation in the Neoproterozoic glacial Mwale Formation (Tenke Fungurume Mining District; Democratic Republic of Congo) Ms. Pascal Matanda Mambwe / Dr. Jacques Mwandolo Batumike

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

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

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

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



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# PB133	Characteristics of Hydrocarbon Migration in the Slope of Superimposed Foreland Basin of South Junggar, NW China Prof. Luofu Liu
# PB134	History and present day of crude oil and natural gas production in Poland Prof. Stanislaw Wolkowicz
# PB135	Identification and Localization of Oil and Gas Perspective Zones and Large Objects Based on Regional Volumetric Modeling Dr. Mikhail Afanasyev
# PB136	Origin of oil and gas and profitable exploration areas in the Platform of Tarim Basin, NW China Prof. Zhi Jun Jin
# PB137	Palaeo-tufa from Liuhuanggou No 2 cave in the Ordovician carbonate, North Tarim basin, China: features and petroleum significances Prof. Jianhua Zhong
# PB138	Silicification of Ordovician dolomite reservoirs, Tarim Basin, NW China Mr. Shaonan Zhang
# PB139	The hydrocarbon trap distributional patterns of the simple slope area of a continental basin: a case study from the Songliao basin, China Prof. Hongyu Wang
# PB140	The Jurassic strata in the Polish Lowlands (central Poland) - future of unconventional sources? Dr. Paweł Kosakowski
# PB141	The three-dimensional description for fracture-cavity carbonate reservoirs in Tahe Oilfield, Tarim Basin Mr. Changcheng Han
# PB142	Unlocking new petroleum system based on outcrops, petrographic description and measure section in north Serayu Frontier basin Mr. Muhammad Nashir

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T25.P2 - Critical metals - a global perspective Exhibition

PAPER #	PAPER TITLE & AUTHOR
# PB143	The Monapo Alkaline-Carbonatite Complex, Mozambique Mr. Fabio Masotti
# PB144	The M'Fema and SM Carbonatites, Mozambique Mr. Fabio Masotti
# PB145	The distribution characteristics of rare metal elements (RME) in surface sediments from four coastal bays on the northwestern South China Sea Ms. Shuhong Wang
# PB146	Ge distribution in supergene willemite (Zn ₂ SiO ₄): new insights from the Bou Arhous deposit (Morocco) Dr. Flavien Choulet
# PB147	Solubility of monazite and cheralite in highly fluxed peralkaline to peraluminous pegmatitic melts Dr. Aurelien Eglinger
# PB148	EU Critical Raw Materials in the Czech Republic - Competence Centre for Effective and Ecological Mining of Mineral Resources (CEEMIR) Dr. Petr Rambousek
# PB149	Regularity of formation and criteria of forecasting rare metal deposits in East Kazakhstan Prof. Boris Dyachkov
# PB150	Rare-element pegmatites of the Keivy-Kolmozero zone, NE Baltic shield: classification, age distribution, sources Dr. Nikolay Kudryashov
# PB151	Massive Pollucite ((Cs,Na)2Al ₂ Si ₄ O ₁₂ x H ₂ O) – Processes of extreme Caesium Enrichment within LCT Pegmatites Prof. Thomas Seifert
# PB152	The tailings pond of Cinovec deposit (Czech Republic) as non-traditional source of lithium Mr. Jiri Malis

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T28.P2 - Sedimentary Processes - ancient to modern Exhibition

PAPER #	PAPER TITLE & AUTHOR
# PB153	Identification of foraminifera and research on sedimentary microfacies in Well ZK17503 in southern Sichuan Mr. Yunzhao Zhang
# PB154	Non-contemporary, Normal Seawater for the formation of crystalline dolomite in the Lower Triassic Feixianguan Fm Reservoirs, NE Sichuan Basin, China Dr. Yijiang Zhong / Dr. Keke Huang
# PB155	Saddle dolomite cement in Upper Paleozoic clastic reservoir rocks from Ordos Basin and the effect on reservoir properties Dr. Yijiang Zhong / Prof. Sijing Huang



# PB156	Reservoir architecture of estuarine tidal bar deposits in the McMurray Formation, Alberta, Canada Dr. Jixin Huang
# PB157	Modern and ancient lagoons of the Namibian coast: sedimentation processes and environmental changes Ms. Irka Schüller
# PB158	Wavelet analysis of Paleoproterozoic tidal sediments distributed in the Singhbhum Craton, northeast India: Estimation of early Earth's (2 Ga) rotation velocity Mr. Hiroyuki Miyata
# PB159	Two contrasting beaches on macrotidal coasts: Byunsan and Gosapo beaches, west of Korea Seok Hwi Hong
# PB160	Morphologic response of the Jangan linear tidal sand ridge to anthropogenic impacts over four decades, west coast of Korea Dr. Tae Soo Chang
# PB161	Sedimentology and depositional evolution of Juin 4 Block in Orinoco heavy oil belt, Venezuela Dr. WenSong Huang
# PB162	Tidal Rhythmites as High-Resolution Chronometers for Basin Analysis Dr. Kenneth Eriksson

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T29.P2 - Basin Formation and Continental Margins
Exhibition

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

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T34.P2 - Geochronology
Exhibition

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



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T35.P2 - Isotope Geoscience Exhibition

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

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

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



# PB198	Geochronological Framework and Tectonic Background of Granites in Southern Margin (Anhui area) of the North China Block Prof. Weiping Wu
# PB199	Emplacement mechanism of the Middle-Late Jurassic Qitianling pluton and its implications on the Mesozoic tectonics of the South China Block Prof. Yan Chen
# PB200	The Late Jurassic syntectonic Hengshan Granitic Massif (Hunan, SE China) and its signification of an early extensional event of the South China Block during the Late Mesozoic Prof. Yan Chen
# PB201	Geochemistry and petrogenesis of the Late Jurassic granitoids from Xuru Tso area, western Lhasa Terrane, Tibetan Plateau Ms. Yan JingJing
# PB202	The post-tectonic granites of the Gavião Block: the example of Salininha Monzogranite, Bahia, Brazil. Mr. Rafael Gordilho-Barbosa
# PB203	Early-Jurassic tonalite- monzogranite association from the southern part of the Zhangguangcai Range: implications for the Paleo-Pacific plate subduction along the NE China Dr. Jiangfeng Qin
# PB204	Geochronological, geochemical and Sr-Nd-Hf isotopic constraints on the petrogenesis of Cretaceous monzonitic plutons in Zhejiang Province, Southeast China Dr. Jian-Sheng Qiu
# PB205	Petrography, geochemistry, and radiometric dating U-Pb SHRIMP II of the tonalite complexes of the Lok-Karabakh, Lesser Caucasus (Azerbaijan) Dr. Artem Terekhov
# PB206	Fractional crystallization and magma mixing in the calc-alkaline Karadağ Granitoid (Balya-Balıkesir-Turkey) Dr. Sabah Yilmaz Şahin
# PB207	Two generations of gabbro in the Buem structural unit, southeastern Ghana. Constrains from petrography and geochemistry Mr. Daniel Kwayisi
# PB208	Geochronology and geochemistry of Mesozoic volcanic rocks in Western Liaoning, NE China Dr. Bo Lin
# PB209	Geochemical characteristics of Late Cretaceous to Pliocene arc magmatism in the Central Chilean Andes (~35°S) and its records of the evolving geodynamic frame Dr. Marcia Muñoz
# PB210	Late Cretaceous Arc Volcanism in the Central Chilean Andes (~35°S): Characteristics and Tectonic Implications Dr. Marcia Muñoz
# PB211	Reexamination of the radiometric ages of the Miocene forearc magmatism SW Japan Dr. Hironao Shinjoe
# PB211A	Evidence of heterogeneous crustal origin for the Pan-African Mbengwi plutonics (northwestern Cameroon, central Africa) Prof. Emmanuel Njonfang
# PB211B	Occurrence of Rapakivi Granite around Tarai, Kano state, Northwestern Nigeria: A Preliminary Report Mr. Abdulgafar Amuda
# PB211C	Petrology of the two contrasting Cretaceous granitoid plutons, west to Lake Biwa, southwest Japan Dr. Masaru Taka / Dr Mamoru Murata
# PB211D	Signatures of Neoproterozoic island arc tholeiites from the central-western part of Nellore Schist belt, Pamuru-Udayagiri area, Andhra Pradesh, India Ms. Munmun Chakraborty

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**T37.P2 - Mineralogy
Exhibition**

PAPER #	PAPER TITLE & AUTHOR
# PB212	Automated mineralogy analysis as a first approach to recognize olivine-hosted melt inclusions in lavas from the Central Volcanic Zone (CVZ), Chile Dr.(c) Osvaldo González-Maurel
# PB213	Fluid Inclusion studies of high grade granulite terrain of Sivasamudram - Satnur area, Southern Karnataka, India Dr. Girish Kumar Mayachar
# PB214	Thermobaric characteristics of fluid inclusions in subsalt sediments of east part of Precaspian basin Dr. Talgat Yensepbayev
# PB215	Viridine, Piemontite and Epidote Group Minerals from Thassos Island, Northern Greece Dr. Ian Graham
# PB216	Origin and genesis of alluvial sapphires from the Orosmayo region, Sierra de Rinconada, Jujuy Province, northwest Argentina Mr. Stephen Harris
# PB217	Taranakite in few fossil bat-guano deposits from caves in Southern Romania Dr. Delia-Georgeta Dumitras / Dr. Stefan Marincea



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# PB218	Plagioclase morphology and compositional variation determined using automated mineralogical analysis: What does it mean? Dr.(c) Osvaldo González-Maurel
# PB219	The formation of gahnite (Zn-spinel) and Zn-bearing staurolite in the Big Syncline East, Aggeneys terrane, Namaqua Metamorphic Complex, South Africa Dr. Peter Horvath
# PB220	The W–Mo polymetallic deposit in the andraditic skarn from the upper Mraconia Valley (Almăj Mountains, Romania) Dr. Stefan Marincea

Tuesday - Posters 17:45–19:00 T38.P2 - Metamorphic Processes Exhibition

PAPER #	PAPER TITLE & AUTHOR
# PB221	Channelized Fluid controlled metamorphism-metasomatism: A study from calc silicates of Mahakoshal Group of rocks in Central India Dr. Kasturi Chakraborty
# PB222	Meso-Proterozoic metamorphic evolution of Indian Craton – Studies from Gneissic Complex of West Khasi Hills, Meghalaya, North East India Mr. Susobhan Neogi
# PB223	Pressure-Temperature Conditions and Inherent Metamorphic Signatures in the Nigerian Basement Complex: A Review. Mr. Abdulgafar Amuda
# PB224	Neoproterozoic to Paleoproterozoic high-pressure metapelitic granulites from the Jidong terrane, Hebei Province, North China Craton Mr. Jun Sheng Lu
# PB225	Petrology and geochemical characteristics of Precambrian basement complex rocks in the southeasternmost part of Wonaka Schist belt, North-Western Nigeria. Mr. Abdulgafar Amuda
# PB226	Superimposed Tectonothermal Events from Bhavani Layered Complex : A Northern Extension to the Pan African Event from SGT Dr. Kasturi Chakraborty
# PB227	Rising buoyancy of viscous fluids and exhumation of high-temperature metamorphic belt Dr. Kazuhiro Miyazaki
# PB228	Metasomatic effects in Critical Zone norite adjacent to a calc-silicate xenolith in the western Bushveld Complex, South Africa: implications for chromite-spinel chemistry Ms. Bavisha Koovarjee
# PB229	The Continental Collision Process Deduced from the Metamorphic Pattern in the Dabie-Hongseong and Himalayan Collision Belt Prof. Chang Whan Oh
# PB230	Metamorphic Modelling of High Aluminium Metapelite with Pseudosection and Zr in Rutile thermometer: Example of Luminárias Nappe, SE, Brazil Ms. Regiane Andrade Fumes

Tuesday - Posters 17:45–19:00 T40.P2 - Marine Geosciences and Oceanography Exhibition

PAPER #	PAPER TITLE & AUTHOR
# PB231	Stable isotopes from Miocene to Pliocene planktonic and benthic foraminifera: preliminary results from IODP Expedition 354 (Bengal Fan) Dr. Kara Bogus
# PB232	Contourite depositional and erosional features along the Uruguayan continental margin Dr. F. Javier Hernández-Molina
# PB233	Contouritic drifts in the Mozambique Channel since the Cretaceous: Paleoceanographic Implications Dr. F. Javier Hernández-Molina
# PB234	High resolution mapping of offshore morphosedimentary features in the northwestern Iberian continental margin and abyssal plains Dr. F. Javier Hernández-Molina
# PB235	Deglacial dynamics of Scandinavian Ice Sheet (SIS) and changes in atmospheric ocean circulation in North Atlantic region Dr. Outi Hyttinen
# PB236	Middle Miocene sedimentary shift in the Scotia Sea (Southern Ocean): global tectonic and oceanographic implications Dr. F. Javier Hernández-Molina
# PB237	Source and transportations of organic matters around the Korean peninsula: isotope investigation and land-ocean linkages Dr. Sangmin Hyun
# PB238	Variations of surface and bottom currents in eastern part of the Charlie-Gibbs Fracture Zone during the Late Quaternary Evgenia Dorokhova



Tuesday - Posters

17:45–19:00

T44.P2 - Palaeontology and Palaeo-anthropology
Exhibition

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

Tuesday - Posters

17:45–19:00

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

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

Tuesday - Posters

17:45–19:00

T47.P2 - Phanerozoic Earth History, Stratigraphy and the Geologic Time Scale
Exhibition

PAPER #	PAPER TITLE & AUTHOR
# PB253	Three-dimensional Cloudina specimens extraction from limestone of the Nama Group, Namibia Mr. Rodrigo AdôRno / Mr. Dermeval do Carmo
# PB254	Evidence for ancestry in taxonomic studies: Lessons from mid-Cretaceous biserial planktonic foraminifera Dr. Brian Huber
# PB255	Lower - Middle Pleistocene boundary at Chiba section and distribution situation of Byk zone, central Japan Mr. Hideto Kimura
# PB256	Taxonomic remarks and stratigraphic implications of Cloudina species in Neoproterozoic strata Mr. Rodrigo AdôRno / Mr. Dermeval do Carmo
# PB257	Biostratigraphy of Neoproterozoic strata based on invertebrate species from South America Mr. Rodrigo AdôRno / Mr. Dermeval do Carmo
# PB258	Concise Geologic Time Scale 2016: a partial update of GTS2012 Prof. James Ogg
# PB259	The Stratigraphic Table of Germany revisited: 2016 Dr. Manfred Menning



Tuesday 30 August

# PB260	A Revised Calibration of the New Zealand Geological Timescale: NZGT2015 James Ian Raine
# PB261	Earth history visualization system for Gondwana basins Ms. Rebecca Bobick / Prof. James Ogg
# PB262	Towards a calibrated astronomical timescale for the Mid Ordovician Dr. Christian Rasmussen
# PB263	Biostratigraphy of the Valongo Formation (Ordovician) of northern Portugal Dr. Artur Sá
# PB264	Upper Visean through Gzhelian conodont zonation in South China Dr. Yuping Qi
# PB265	Eccentricity Scale Conodont Oxygen and Strontium Isotopic Trends During Carboniferous Climate Transitions Dillon Osleger
# PB266	A field reconnaissance to locate the base of the Changhsingian Stage in the Karoo Basin, South Africa Mr. Lwazi Magadaza
# PB267	Bivalve biostratigraphy of terminal Permian (pre-Otoceras part) of the South Verkhoyansk Region (Northeast Asia) Dr. Alexander Biakov
# PB268	Litho- And Chronostratigraphy of Bukit Merah, Taiping Permo-Triassic Semanggol Formation Mr. Mohamad Shaufi Sokiman / Mr. Md Yazid Mansor
# PB269	Uppermost Permian to Upper Triassic conodont zonation and carbonate carbon isotopes from Kamura section, Southwest Japan Dr. Feihong Ye
# PB270	The first detailed record of Permian-Triassic boundary sediments in deep-water facies in North-East Asia (Kolyma-Omolon region) Dr. Alexander Biakov
# PB271	The characteristic and geodynamic origin of stratigraphic sequence structure in the compressional basin: a Jurassic example from the Fukang sag in the Junggar basin Mr. Qisong Xu
# PB272	The correlation between the deposition and its regional tectonics in the Jurassic Yabulai Basin, Northwestern China Mr. Haiyang Cao
# PB273	Late Barremian – early Albian climate of the northern middle latitudes: Stable O- and C-isotope evidence from brachiopods and molluscs of the Caucasus Dr. Yuri D. Zakharov
# PB274	Calcareous nannoplankton and Foraminifera biostratigraphy of the Upper Cretaceous St Lucia Formation (Nibela Peninsula, South Africa) Dr. Maria Ovechkina
# PB275	Calcareous nannoplankton distribution around the Campanian–Maastrichtian boundary on the Aktulagaj Plato (Kazakhstan) Dr. M.N. Ovechkina
# PB276	Nearshore to offshore facies correlation of the Turonian-Coniacian stage boundary in the Bohemian Cretaceous Basin (Czech Republic) Mr. Stanislav Cech
# PB277	Factors influencing on formation of chalk-marl couplets in Turonian-Santonian succession, Kopet-Dagh basin, NE Iran Ms. Leili Fateh Bahari
# PB278	Retrieving a Late Cretaceous Major Plate Reorganization Event of Pacific Ocean, Age 87-89 Ma (Late Turonian/ Coniacian): Insight from Eastern Asia and Significance to Pacific Evolution Dr. Ying Song
# PB279	Implications of new data for late Cretaceous marine transgressions in central peninsular India Prof. Sunil Bajpai
# PB280	Mercury deposition and mercury isotopes in sections straddling the Cretaceous–Paleogene boundary: link to volcanism Dr. Alcides Sial
# PB281	Microfacies and diagenetic analysis of lockhart lime stone, Shah Allah Ditta area Islamabad, Pakistan M.A. Khan
# PB282	Neogene terrestrial chronostratigraphic sequence of China based on land mammalian ages Dr. Tao Deng
# PB283	Progressive growth of the Scandinavian Ice Sheet across the south-western Baltic Sea Basin during Marine Isotope Stage 2 Mr. Michael Kenzler
# PB284	Anthropocene, Vernal Point, Solar cycle and el Niño 2015-2016 Mr. Teodosio Chavez-Campos



◆ 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 TH 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 - albert@knightsevents.co.za)	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





NOTES

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