

35TH INTERNATIONAL GEOLOGICAL CONGRESS

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



THURSDAY PROGRAMME

www.35igc.org



IUGS
International Union of Geological Sciences



mineral resources
Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA



Council for Geoscience
Applied Geoscience Solutions



Under the patronage of
UNESCO
United Nations
Educational, Scientific and
Cultural Organization



POWERING POSSIBILITY



Thursday 1 September

Thursday - Plenary Session Plenary Session 7 Auditorium 1

12:15–12:45

TIME	PAPER #	PAPER TITLE & AUTHOR
12:15	# 5584	Drilling beneath the hype: Technical challenges for the exploration for shale gas Joe Cartwright (PLENARY SPEAKER)

Thursday - Plenary Session Plenary Session 8 Auditorium 1

12:45–13:15

TIME	PAPER #	PAPER TITLE & AUTHOR
12:45	# 4364	Africa Alive Corridors—a 3,5 billion year geological, biological & cultural biography of Africa Dr. John Malcolm Anderson (PLENARY SPEAKER)

Thursday - Session 11 T2.11 - Geoscience Education and Public Communication MR 1.64

08:00–10:00

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 4618	The Changing Dynamics of the U.S. Geoscience Workforce Compared to the International Geoscience Workforce Ms. Carolyn Wilson (KEYNOTE SPEAKER)
08:30	# 517	The Strategic Plan of the Australian Geoscience Council – development, implementation and early results Dr. Bill Shaw (KEYNOTE SPEAKER)
09:00	# 809	Utility-scale wind energy projects: managing public perception and environmental risk Prof. Michael Slattery
09:15	# 895	Our 'International year of Earth science educator stories' project Prof. Chris King
09:45	# 4163	On the Cutting Edge: A Global Resource to Support Excellence in Geoscience Education Dr. David Mogk

Thursday - Session 12 T2.12 - Geoscience Education and Public Communication MR 1.64

10:30–12:00

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 1266	AusGeol.org – A Virtual Library of Australia's Geology Dr. Michael Roach
10:45	# 2497	A Swiss - Icelandic Recipe for Successful Continuing Education Program in Applied Geology - The Concept of the Certificate of Advanced Studies (CAS) in Applied Earth Sciences at ETH Zürich, Switzerland. Guarantor for Persistence in a Rapidly Changing Market Environment Dr. Björn Odsson
11:00	# 2915	Are you related to a cabbage: A pragmatic approach to teaching evolution in the classroom and dealing with fundamentalist religious beliefs Dr. Ian McKay
11:15	# 5165	An Introduction to Innovation Terminology for Mining/Geology Professionals Dr. Gargi Mishra
11:30	# 3148	Geoscience Education – Meeting social responsibility and operational requirements at Lonmin Marikana Operations. Mrs. Riana Knipe
11:45	# 3978	Passing the Torch: Broad, but not shallow, teaching by senior geologists with a highly diversified career experience Mr. Roland Loewer

Thursday - Session 13 T2.13 - Geoscience Education and Public Communication MR 1.64

14:00–15:30

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 3815	Developing a low cost crystallography workshop for learners Dr. Tanja Reinhardt
14:15	# 2916	Drinking tour through the museum Dr. Jose Selles-Martinez
14:30	# 2982	Education programmes and facilities at Geoscience Australia Mrs. Shona Blewett
14:45	# 2682	Delivering authentic online practical science teaching – geoscience perspectives from the OpenScience Laboratory Dr. Tom Argles
15:00	# 1717	Development of Interactive Web Applications for Geoscience Education Prof. Takashi Sawaguchi



15:15	# 837	Visualising early life on Earth: Building a 4-Dimensional virtual field trip (VFT) of the 3.5 Ga Dresser Formation, North Pole Dome, Pilbara Craton, Western Australia. <i>Ms. Tara Djokic</i>
-------	-------	---

Thursday - Session 14 T2.14 - Geoscience Education and Public Communication MR 1.64	16:00–17:45
--	-------------

TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 4205	Audiovisual resources and communication: a laboratory discipline for scientific popularization of Geosciences <i>Dr. Celso Dal Ré Carneiro</i>
16:15	# 5404	Bringing diverse talent to the geophysics workforce, a review of the AfricaArray International Geophysics Field School <i>Prof. Susan Webb</i>
16:30	# 4197	Connecting innovation and Geoscience knowledge for Brazilian basic education teachers <i>Dr. C.D.R. Carneiro</i>

Thursday - Session 14 T3.14 - GMIS Special Symposium MR 1.63	16:00–17:45
---	-------------

TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 5641	GMIS special symposium (<i>SPECIAL SYMPOSIUM</i>)

Thursday - Session 12 T4.12 - Climate Change Studies Reg Foyer 2	10:30–12:00
---	-------------

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 1052	Assessment of the cave environments appropriate for the reconstruction of the Quaternary settings in Croatia – speleothem-based approach <i>Dr. Maša Surić</i>
10:45	# 1192	Speleothems and Past Climate Record from Himalaya and Meghalaya, India <i>Prof. Vinod Tewari</i>
11:15	# 4042	Onset and duration of transitions into Greenland Interstadials 15.2 and 14 in northern China constrained by an annually laminated stalagmite <i>Dr. Wuhui Duan</i>
11:30	# 4044	Circulation effect of $\delta^{18}O$ in precipitation and its implication for paleoclimate <i>Dr. Tan Ming</i>
11:45	# 4337	Relationship between $\delta^{13}C$ of shell aragonite in terrestrial snails and local climate of the East-Asian summer monsoon region <i>Dr. Xuefen Sheng</i>

Thursday - Session 13 T4.13 - Climate Change Studies Reg Foyer 2	14:00–15:30
---	-------------

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 1021	Holocene climate change in SW India - a multi proxy study using coastal sediments as an archive <i>Dr. Damodharan Padmalal</i>
14:15	# 2089	Chemical weathering in the tropical river catchments of Western Ghats and its implications on climate change- a case study from a tropical river in southwest coast of India <i>Dr. K. Balakrishna</i>

Thursday - Session 11 T7.11 - Information Management - Interoperability and Standards MR 2.41 - 2.43	08:00–10:00
---	-------------

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 3998	Standardising Geoscience Data <i>Ms. Marcia van Aswegen</i>
08:15	# 3368	Integrated representation of data on geological structure, prognosis and mineral resources location regularities, based on international formats, to ensure efficiency improvement of mineral resources development <i>Mr. Egor Yuon</i>
08:30	# 1730	ASEAN Mineral Database and Information System (AMDIS) <i>Dr. Yasukuni Okubo</i>
08:45	# 3878	Technical standards developments in global Geoscience: OneGeology WWW interoperability 8 years on <i>Dr. Tim Duffy</i>
09:00	# 5593	Geoscience Information and Data in the Moroccan Geological Survey <i>Mr. Zoubir Skalante</i>
09:15	# 3537	1:200 000 Geological Maps of CIS Countries in the OneGeology international project <i>Mr. Grigory Brekhov</i>
09:30	# 3172	(Inter)Continental hydrogeological mapping at BGR for societal impact <i>Dr. Stefan Broda</i>



Thursday 1 September

Thursday - Session 12 10:30–12:00 T7.12 - Data analysis delivery, dissemination and exploitation of geoscience data and information, Tools – software MR 2.41 - 2.43

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 3475	Geohazard widget web application: how to manage data in a standard way <i>Dr. Carlo Cipolloni</i>
10:45	# 3333	Thesaurus and DataViewer application tool – knowledge representation to define concepts and visualize geoscientific data <i>Ms. Christine Hoerfarter</i>
11:00	# 5357	A Bayesian approach to geophysical inversion for quantifying geological uncertainty <i>Ms. Helen Gibson</i>
11:15	# 2824	The Concept of Aquifer System Specification by the Use of Spatial Data Modelling <i>Dr. Tomasz Nalecz</i>
11:30	# 272	Study of Neotectonic effects in Saurashtra Peninsula using Remote Sensing and GIS <i>Dr. Sanjay Das</i>
11:45	# 2507	Employing open-source applications to develop a WebGIS for landslide inventory and early warning in Vietnam <i>Mr. Nguyen Ho Khanh</i>

Thursday - Session 13 14:00–15:30 T7.13 - Data analysis delivery, dissemination and exploitation of geoscience data and information, Tools – software MR 2.41 - 2.43

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 1899	"Geoportal IMK": Web-based application for easy access to selected spatial geological data of state geological institute of Dionýz Štúr, Slovakia <i>Dr. Marian Zlocha</i>
14:15	# 5595	Using Global Datasets in Local Geomorphic Applications <i>Dr. Frank Eckardt</i>
14:30	# 3527	Support to building of a sustainable mineral sector and facilitating responsible use of mineral resources for socio-economic development and welfare in Namibia <i>Mrs. Riitta Teerilahti</i>

Thursday - Session 14 16:00–17:45 T7.14 - OneGeology MR 2.41 - 2.43

TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 3842	OneGeology – A successful Open Access model for up-to-date geoscience data using a distributed data system <i>Mr. Matthew Harrison</i>

Thursday - Session 11 08:00–10:00 T8.11 - Geohazards: Prevention, risk reduction, early warning and preparedness Hall 4B2

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 4298	What kind of disturbances did March 11, 2011 Tohoku Earthquake and Tsunamis leave continental margin ecosystems? : Lessons from five years monitoring research <i>Dr. Hiroshi Kitazato</i>
08:15	# 491	Geomorphic signature of Paleo-seismic landslides- Studies from parts of the active seismo-tectonic domain of Nagaland, North East India <i>Mr. Niroj Kumar Sarkar</i>
08:30	# 1475	Formation Characteristics, Monitoring and Prewarning Studies of Lengmugou Debris Flow in Lushan Earthquake Disaster Area, China <i>Dr. Jiliang Zhu</i>
08:45	# 581	Scenario Earthquake based Seismic Susceptibility Assessment of Kohima urban agglomeration within active seismo - tectonic domain of NE India <i>Mr. Imti Kumzuk</i>
09:00	# 1228	Research on the definition of rainfall event for the debris flow triggered by a runoff-induced mechanism <i>Prof. Bin Yu</i>
09:15	# 1207	Temporal Evolution of Seismicity around the hypocenter of the 23 October 2011 Van earthquake deduced from seismic b-value estimates, Eastern Anatolia <i>Dr. Mustafa Tokar</i>
09:30	# 884	Graviquakes and elastoquakes <i>Prof. Carlo Doglioni (KEYNOTE SPEAKER)</i>

Thursday - Session 12 10:30–12:00 T8.12 - Geohazards: Prevention, risk reduction, early warning and preparedness Hall 4B2

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 4586	Building a GIS-based 3D seismic microzonation model for the City of Johannesburg <i>Mrs. Magda Roos / Mr. Dirk Grobbelaar</i>



10:45	# 2075	Hydro-mechanical framework for early warning of rainfall-induced landslides Dr. Jonathan Godt
11:00	# 1612	LANDMON a new integrated system for the management of landslide monitoring networks Dr. Daniele Giordan
11:15	# 2428	Building of short-termed earthquake prediction system in water areas. Dr. Vasily Palamarchuk
11:30	# 1885	Earthquake hazard in Himalayan region: How to mitigate? Dr. Harsh Kumar Gupta
11:45	# 2396	Swelling clays a camouflaged geohazard a case of Liwonde area Malawi Mr. Elias Chikalamo

Thursday - Session 13
14:00–15:30
T8.13 - Geohazards: Prevention, risk reduction, early warning and preparedness
Hall 4B2

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 2469	Geohazards: Basic science for disaster risk reduction Prof. Alik Ismail-Zadeh
14:15	# 2540	Some key problems on survey and design of debris flow in Wenchuan earthquake area Prof. Xiewen Hu
14:30	# 2590	Geo-hazards in Pamir Plateau along China-Pakistan Economic Corridor Prof. Xin Yao
14:45	# 3636	Volcanic Disaster Mitigation Measures of G-EVER Volcanic Hazards Assessment Support System and Asia-Pacific Region Earthquake and Volcanic Hazards Information Mapping Project Dr. Shinji Takarada
15:00	# 3798	Land Subsidence Monitoring and its Countermeasures in the Lower Yangtze Delta Area of China Prof. Bin Shi
15:15	# 4017	The Chinese Data Collection and Transmission Protocols for Geological Environment Monitoring: Theory and Practice Mr. Guoxuan Cheng

Thursday - Session 14
16:00–17:45
T8.14 - Geohazards: Prevention, risk reduction, early warning and preparedness
Hall 4B2

TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 4734	The Data Collection and Transmission Protocol for Geo-hazards Monitoring in China Mr. Guoxuan Cheng
16:15	# 4677	Seismic Vulnerability Investigation of RDP homes in the city of Matlosana, North west Province, South Africa Mrs. Zeenat Khojraty
16:30	# 4579	Acid mine drainage nuisance: case studies in abundant collieries in Witbank Coalfields Hon. Zuko Mankayi
16:45	# 4982	Subsurface geotechnical evaluation for the seismic microzonation of the Greater Johannesburg area, South Africa Dr. Souleymane Diop
17:00	# 4947	Non-volcanic CO ₂ and CH ₄ degassing in an actively extending orogen, southern Apennines, Italy Prof. Alessandra Ascione
17:15	# 5116	Occurrence of 1 ka-old corals on a raised marine terrace in west Luzon, Philippines: Evidence of a prehistoric high-energy wave event in Southeast Asia? Dr. Noelynna Ramos
17:30	# 5373	Signatures of Paleoseismic and paleo-tsunami from Badabalu, South Andaman, Andaman and Nicobar Island, India Prof. Javed Malik

Thursday - Session 11
08:00–10:00
T9.11 - Spectral Geology in Exploration (minerals, hydrocarbon, geothermal) and Production
MR 2.44 - 2.46

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 3789	Characterization of the Lead-Zinc mineralization of Aggeneys, South Africa, by VNIR-SWIR and TIR hyperspectral airborne data Dr. Michaela Frei
08:15	# 3600	Exploration applications of laboratory, field, and airborne imaging spectrometer data collected from the Orange Hill copper porphyry deposit, east-central Alaska, USA Mr. Raymond Kokaly
08:30	# 939	GeoMAP Base a Generic Expert System Mapper for Imaging Spectroscopy Mr. Christian Mielke
08:45	# 1593	GeoMAP-outcrop – 3D hyperspectral outcrop mineral and REE mapping Dr. Christian Rogass



Thursday 1 September

09:00	# 1095	Hydrocarbon detection with multiple remote sensing platforms Mr. Saeid Asadzadeh
09:15	# 4995	Identification of rocks using a hyperspectral supercontinuum lidar Prof. Jussi Leveinen
09:30	# 2950	Mineral Mapping with ECOSTRESS, HypSIRI, HyTES and MASTER Dr. Simon Hook
09:45	# 1074	New advances on uranium exploration using airborne hyperspectral remote sensing technology: A case study of Xuemisan volcanic belt, Xinjiang, China Dr. Fawang Ye

Thursday - Session 12

10:30–12:00

T9.12 - Spectral Geology in Exploration (minerals, hydrocarbon, geothermal) and Production / Analyzing Geohazards and Risk Using Remotely Sensed Derived Datasets MR 2.44 - 2.46

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 4969	New approaches in mineral mapping using diverse hyperspectral data as well as simulated EnMap and Sentinel 2 data Dr. Veronika Kopackova
10:45	# 719	Remote Sensing of the Copper Creek District, Arizona. Results from Aster, Airborne Hyperspectral and Field Spectroscopy. Dr. Marc Goossens
11:00	# 4824	The Influence of Sample Surface Preparation on Thermal Infrared Spectroscopy Results Dr. Christoph Hecker
11:15	# 1383	Using thermal imagery to find G-spots Dr. Neil Pendock
11:30	# 1288	Using Spectral Data in Exploration for Geothermal Resources Dr. Wendy Calvin
11:45	# 1260	High resolution rapid revisit InSAR monitoring of surface deformation Dr. Vern Singhroy

Thursday - Session 13

14:00–15:30

T9.13 - Analyzing Geohazards and Risk Using Remotely Sensed Derived Datasets / Use of radar remote sensing in geological applications MR 2.44 - 2.46

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 5001	Early warning system for earthquakes disaster mitigation in Syria by using remote sensed data and space imagery. Case study: detecting and monitoring the active faulting zones along the Afro-Arabian-Syrian rift system. Dr. Moutaz Dalati
14:15	# 2884	Influence of the Environmental Conditions on Surficial Mapping Using LANDSAT-5 TM and RADARSAT-2 Polarimetric SAR Images Brigitte Leblon
14:30	# 1644	Potential of sinkhole precursor detection through interferometric SAR Mr. Andre Theron
14:45	# 2482	Remarkable land subsidence in plain aquifers of Iran: evidence from two decades of InSAR observations Dr. Mahdi Motagh
15:15	# 1756	Satellite synthetic aperture radar for monitoring of surface deformation in shallow underground mining environments Dr. Jeanine Engelbrecht

Thursday - Session 14

16:00–17:45

T9.14 - Use of radar remote sensing in geological applications / Challenges and opportunities in achieving global remote sensing of surface minerals MR 2.44 - 2.46

TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 1931	Pre- and co-seismic surface deformation of graviquakes: the 1997 Colfiorito earthquake (Northern Apennines, Italy) Ms. Emanuela Valerio
16:15	# 899	Future Hyperspectral VSWIR and Multispectral TIR Spaceborne Instruments Mr. Michael Abrams
16:30	# 1625	Geological mapping of Mountain Pass Carbonatite Complex, USA, using the EnGEOMAP (basic mineral mapping and REE mapping) Ms. Nina K. Boesche
16:45	# 5124	Global Hydrocarbon Exploration and Monitoring: Current Possibilities and Projections for the Near Future and Beyond Prof. Carlos Souza Filho
17:00	# 2096	Potential of spaceborne imaging spectroscopy for surface mineral detection in northern latitudes Dr. Benoit Rivard
17:15	# 1282	The Future of Global Mapping for Energy and Mineral Resources Dr. Wendy Calvin



17:30	# 2640	Insight into the geodynamics of southern Africa; crustal thickness and upper mantle structure of Botswana <i>Prof. Mark Van Der Meijde</i>
Thursday - Session 12		10:30–12:00
T12.12 - Panel Discussion - What is wrong with our work environment?		
MR 1.63		
TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 5617	Discussion Topic 1: Diversity adds value - beyond just gender diversity (Panel discussion) <i>Ms. Lindsay Steele</i>
10:45	# 5615	Discussion Topic 2: Harassment, Bullying and Exclusion (all types - all unacceptable) (Panel discussion)
11:00	# 5616	Discussion Topic 3: Getting the balance right - field assignment leaves of absence, work-life balance, career retention (Panel discussion)
11:15	# 5618	Discussion Topic 4: Role Models, Leaders and Mentors - they all count (Panel discussion) <i>Ms. Marie Fleming</i>
11:30	# 5619	Discussion Topic 5: Disabilities and Challenges - our duty to accommodate (Panel discussion) <i>Mr. Edmund Nickless</i>
Thursday - Session 13		14:00–15:30
T12.13 - Panel Discussion - Can the public trust Geoscientists?		
MR 1.63		
TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 5620	Discussion Topic 1: Panel discussion
14:15	# 5621	Discussion Topic 2: Panel discussion
14:30	# 5622	Discussion Topic 3: Panel discussion
14:45	# 5623	Discussion Topic 4: Panel discussion
15:00	# 5624	Discussion Topic 5: Panel discussion
Thursday - Session 12		10:30–12:00
T13.12 - AGID Sub Theme : 1: Ground Water Development for Food Security & Rural Health		
Westin - Victoria & Alfred		
TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 3638	Exploding Population – A Negative Impact on Natural Environment <i>Ms. Afia Akhtar</i>
10:45	# 4280	Sustainable Groundwater Development through Integrated Watershed Management for Food Security: A case study from India <i>Prof. Madhumita Das</i>
11:00	# 4453	Watershed prioritization of upper Mula-Mutha catchment, Maharashtra, India using RS-GIS techniques <i>Dr. Bhavana Umrikar</i>
11:15	# 5298	Derivation of influencing natural and anthropogenic factors on groundwater level fluctuation using regression and principal component analysis. <i>Mrs. Bhagyashri Maggirwar</i>
Thursday - Session 13		14:00–15:30
T13.13 - AGID Sub Theme : 2 Mining for Economic Progress of Low-Income Countries		
Westin - Victoria & Alfred		
TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 3516	Mining and beneficiation potential of the semi-precious gemstone resources in the Northern Cape province of South Africa <i>Mr. Sonwabile Rasmeni</i>
14:15	# 3492	Market development and support of mineral based SMME's in the northern cape province <i>Ms. Agnes Modiga</i>
14:30	# 3342	Compositional features, and relative prospectivity assessment of Rare metal (Ta-Nb-Sn) Precambrian Pegmatite of southwestern Nigeria <i>Prof. Olugbenga Okunlola</i>
Thursday - Session 14		16:00–17:45
T13.14 - AGID Sub Theme : 3: Geo Parks, Geo Heritage & Geo Tourism: Role of Women Geoscientists /		
AGID Sub Theme: 4: Geo-hazards: Creating Social Awareness, Preparedness and Capacity Building for mitigating Geohazards		
Westin - Victoria & Alfred		
TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 3663	Boon or Bane? Mining in Developing Countries: A case history of Odisha, India <i>Prof. Madhumita Das</i>
16:15	# 3289	From geoheritage to geoparks: A tool to improve human and socio-economic sustainable development in Africa <i>Prof. Ezzoura Errami</i>
16:30	# 5280	Landslide susceptibility modelling process – A generic methodology applicable at the municipal scale <i>Prof. Marko Komac</i>



Thursday 1 September

Thursday - Session 11

08:00–10:00

T14.11 - Geoscience for environmental management MR 2.61- 2.63

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 806	Environmental sustainability through waste minimization: case study of a successful program at a U.S. university Dr. Syed Hasan (KEYNOTE SPEAKER)
08:30	# 1992	Dilemmas and problems of raw materials strategy in Poland Prof. Barbara Radwanek-Bak
08:45	# 1275	Causes and environmental impact of landslide event on the El Rodeo Valley – Catamarca, Argentina Dr. Adriana Niz
09:00	# 1209	Environmental impact of Agriculture activities in a Chambal project command area of MadhyaPradesh, India Prof. Laxmi Prasad Chourasia
09:15	# 1019	Evaluation of Fresh Groundwater Resources for Public Water Supply in Emergencies (Case Studies from Lithuania and Russia) Dr. Jonas Satkunas
09:30	# 585	Integrated water resource and risk management via localized participatory vulnerability assessment Dr. Philipp Schmidt-Thomé
09:45	# 2159	Relation Between Landform and Radioactive Geopollution Mr. Kazuya Kimura

Thursday - Session 12

10:30–12:00

T14.12 - Geosciences in Strategic Environmental Management / Environmental Geosciences MR 2.61- 2.63

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 1030	State-of-the-Art in the Management of Geopolluted (contaminated) Sites in Lithuania Dr. Jonas Satkunas
10:45	# 2786	Governance, tourism and water: the complexity of maintaining water quality in the Sagarmatha National Park, Nepal. Prof. Kirsten Nicholson
11:00	# 5102	Liquefaction-Fluidization induced land subsidence: Impact of the 2011 Tohoku earthquake on man-made strata around Tokyo bay area, Japan Atsushi Kagawa
11:15	# 923	Terms- Man-made strata, Jinji Strata, Jinji Unconformity and Jinjin Unconformity- on Anthropogenic deposits and Geopollution and Geological Hazards by Human Activity for the Future Earth Prof. Hisashi Nirei
11:30	# 1459	Terminology for better description of man-made strata in relation to geopollution and geological hazards in Japan Prof. Hisashi Nirei
11:45	# 3309	Re-Liquefaction-Fluidization in Man-Made Strata in the Former Tone River Bed, Japan, following the 2011 Tohoku Earthquake Mr. Kunio Furuno

Thursday - Session 13

14:00–15:30

T14.13 - Environmental Geosciences MR 2.61- 2.63

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 2841	High potential part of liquefaction-fluidization in man-made strata of reclaimed land around Tokyo bay, central Japan: based on the geological survey on damaged part on the 2011 off the Pacific coast of Tohoku Earthquake Dr. Osamu Kazaoka
14:15	# 1491	The Jinami by 2011 Tohoku earthquake occurred Remobilization of Diphenylarsinic acid pollution at a site in Kamisu City, Japan Mrs. Tomoyo Hiyama

Thursday - Session 11

08:00–10:00

T15.11 - Slope stability - analysis, investigation and remediation / Soil and rock mechanics Hall 4B1

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 1086	Rockfall hazard analysis in Deccan Plateau: A case study from Malshej Ghat, Maharashtra, India Mr. Ravi Kumar Umrao
08:15	# 1490	Characteristics, mechanism and stability for the expansive soft rock landslide located in Xinyan section of Wang-Yan highway in Jilin Province, Northeastern China Dr. Xudong Han
08:30	# 1787	Influence of Confining Pressure on the Mechanical Mechanism of Soil-rock Mixture Mr. Jiaguo Xia
09:00	# 2393	Delineation of Orientation Data Randomly Distributed in Rock Mass and Its Fractal Dimension Dr. Jianping Chen
09:15	# 543	Estimation of the REV size of fractured rock masses based on blockiness Dr. Lu Xia



09:30	# 670	Prediction of the shear strength of discontinuities by a single shear test <i>Prof. Kamil Kayabali</i>
09:45	# 3142	Use of hot fractured rock technology to enhance the productivity of non-commercial geothermal wells <i>Mr. Kulundu Levi</i>

Thursday - Session 12**10:30–12:00****T15.12 - Soil and rock mechanics
Hall 4B1**

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 672	Prediction of consistency limits and undrained shear strength by a single and simple tool <i>Prof. Kamil Kayabali</i>
10:45	# 1640	Geotechnical Properties of Pedological Soil Groups <i>Ms. Ernestine Schmidhuber</i>
11:00	# 2648	Engineering properties of Chinese loess discharged from the Yellow River into the sea <i>Mr. Xiaolei Liu</i>
11:15	# 593	Prediction of Frost Heaving Behavior of Saline Soil in Western Jilin Province by ANN Methods and Sensitivity Analysis for the Affecting Factors <i>Dr. Xudong Zhang</i>

Thursday - Session 13**14:00–15:30****T15.13 - Young Engineering Geologists Session
Hall 4B1**

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 2099	Freeze thaw resistance of Diyarbakir City walls <i>Prof. Dr. Tamer Topal</i>
14:15	# 3045	Engineering Geological Mapping, an application to Outapi, north-central Namibia. <i>Ms. Giesberta Shaanika</i>
14:30	# 4956	The Influence of Aperture on Flow Regimes in a Single Smooth Fracture <i>Ms. Katlego Segole</i>
14:45	# 784	Geological and Geotechnical Investigations of Axum Dam Site, Tigray, Northern Ethiopia <i>Mr. Leulalem Shano</i>

Thursday - Session 14**16:00–17:45****T15.14 - Karst problems - identification and remediation
Hall 4B1**

TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 2709	Appropriate investigation of dolomitic areas <i>Mr. Tony A'Bear</i>
16:15	# 3976	Palaeogeomorphology And Its Controlling Effect on Karst Reservoirs In Tahe Oilfield, Tarim Basin <i>Mr. Changcheng Han</i>
16:30	# 2531	Karst Collapse Occurrences and Investigation in China <i>Prof. Mingtang Lei</i>
16:45	# 2060	Weathering rate of ancient limestone inscription in Beixiangtang Temple Grottoes, China <i>Assoc. Prof. Lihui Li</i>

Thursday - Session 11**08:00–10:00****T16.11 - Advanced Quantitative Studies and Non Linear Methods in Geosciences
MR 1.61**

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 5613	Modern resource modelling with quantitative geological constraints <i>Dr. J Antonio Vargas-Guzman (KEYNOTE SPEAKER)</i>
08:30	# 71	Output selection for Gaussian Processes classification in iron ore deposits <i>Dr. Katherine Silversides</i>
08:45	# 125	Determination of Cu mineralized zones utilizing number-size (N-S) fractal modeling in Takht-e-Gonbad porphyry deposit (SE Iran) <i>Mr. Mohammad Eskandarnejad Tehrani</i>
09:00	# 2519	A General Robust Probability Classifier Based on the ϕ -divergences and Its Application on Lithology Classification <i>Prof. Yongzhi Wang</i>
09:15	# 3034	Application of Bi-dimensional empirical mode decomposition (BEMD) modeling for extracting gravity anomaly indicating the ore-controlling geological architectures and granites in the Gejiu tin-copper polymetallic ore field, Southwestern China <i>Dr. Yongqing Chen</i>
09:30	# 3650	Determining elemental associations by multivariate analysis of regional-scale geochemical data <i>Dr. Jennifer McKinley</i>
09:45	# 4321	Computer assisted drill hole data interpretation for iron ore exploration <i>Mr. David Nathan</i>



Thursday - Session 12

T16.12 - Mineral Economics for Geologists MR 1.61

10:30–12:00

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 153	Critical aspects in the estimation of Mineral Resources for Narrow Tabular PGM Deposits Mr. Ken Lomberg
10:45	# 841	Application of geospatial technologies in Lineament analysis for mineral prognostication - A Case Study - Ramagiri schist belt and surrounding areas of Eastern Dharwar Craton Mrs. Gauri Motghare
11:00	# 1518	Russian mineral base of gold: Current situation and future views Dr. Anatoly Ivanov
11:15	# 2452	Resource and Risk Evaluation of two Coal Seams at Kriel Colliery Mr. Luan Nel
11:30	# 4590	Real options to value a mining project under 2 uncertainties: a quantitative model for revenue share and mining fiscal policy Dr. Abdoul Aziz NDiaye
11:45	# 5143	Singularity Theories and Methods for Quantitative Assessment of Concealed Mineral Resources in Covered Areas Prof. Qiuming Cheng

Thursday - Session 11

T17.11 - Quantitative geoscience data analysis for mineral exploration targeting Auditorium 2

08:00–10:00

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 3674	Mineral Potential Mapping and Resource Estimation with Artificial Neural Networks: Approaches and Use Cases Mr. Andreas Knobloch
08:15	# 3652	Potential mapping with interpolated covariables Mr. Helmut Schaeben
08:30	# 1857	Mathematical assumptions of prospectivity modelling with special emphasis on joint conditional independence Mr. Helmut Schaeben
08:45	# 1774	Quantifying structural control on ore deposition using anisotropy of magnetic susceptibility (AMS): Case studies from the Cloncurry IOCG/ Sedex province Dr. James Austin
09:00	# 122	Quantitative prediction and evaluation of seafloor hydrothermal sulfide resources in the Indian Ocean Prof. Jianping Chen
09:15	# 1084	Application of the pattern recognition technique to locate subsurface magnetic anomaly Mr. John Stephen Kayode

Thursday - Session 12

T17.12 - Quantitative geoscience data analysis for mineral exploration targeting Auditorium 2

10:30–12:00

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 2162	3D gravity imaging based on inversion of pseudomagnetic amplitude data Mr. Zelin Li
10:45	# 5378	Rank Statistical Analysis of Selected South African Gold Endowment Mr. John Paul Hunt
11:00	# 2705	Scale dependence of structural control on gold deposits in Kumasi Basin, Ghana Ms. Bijal Chudasama
11:15	# 4120	Application of a Singular Value Decomposition (SVD) for Identification of Au Anomalies in the Jiaodong Gold Field, Eastern Shandong Peninsula, Eastern China Ms. Luxue Qin
11:15	# 4641	Mineral Resource Assessment of Porphyry Cu-Mo Deposits in Gobi Desert Landscape of Eastern Tianshan, China Prof. Jianguo Chen

Thursday - Session 13

T17.13 - Quantitative geoscience data analysis for mineral exploration targeting Auditorium 2

14:00–15:30

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 2457	Assessment of Geological-geophysical methods for prospecting of chromite deposits in Camagüey province, Cuba Mr. Ruben Gonzalez
14:15	# 4310	Integrated Exploration Platform: Software Tools for Integrated Multi-Data Interpretation Prof. Eun-Jung Holden
14:30	# 4522	Geological analysis of aeromagnetic and gravity data from Eastern Tianshan, China: implications for potential porphyry Cu-Mo polymetallic deposits exploration Dr. Fan Xiao



15:00	# 1563	Molybdenum Mines Prospecting Using New Developed MTEM System <i>Prof. Qingyun Di</i>
15:15	# 5331	Towards the resolution of dipping contacts in the Capricorn Orogen using AEM <i>Ms. Sasha Banaszczyk</i>

Thursday - Session 14**16:00–17:45****T17.14 - The Mineral system approach: the paradigm and future trends****Auditorium 2**

TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 2245	Systematization of deep-sea polymetallic sulfides of the Mid-Atlantic Ridge <i>Dr. Svetlana Babaeva</i>
16:15	# 907	Mapping mineral potential at continental to regional scales using a mineral systems approach: Ni-Cu-PGE and IOCG systems in Australia <i>Dr. Roger Skirrow</i>
16:30	# 5409	What Controls the Formation of Large Surficial Uranium Systems? A comparative study of Langer Heinrich, Namibia and Yeelirrie, Western Australia <i>Ms Bijal Chudasama</i>
16:45	# 2127	Deep Cu-Ag deposits – a chance for progress in the copper industry <i>Prof. Stanislaw Speczik</i>
17:00	# 5210	The international diamond business: the role of southern African producers in change and consolidation <i>Dr. John Bristow</i>
17:15	# 5161	Brownfield Exploration as a Strategic Initiative to Extending the Life of Mine <i>Mr. Hendrik Pretorius</i>
17:30	# 4664	Granite-related rare earth elements prospectivity mapping of the Bushveld Complex, South Africa <i>Dr. Alazar Yosef Billay</i>

Thursday - Session 11**08:00–10:00****T18.11 - Major Mineral Deposits of Africa (sponsored by Vale)****Ballroom East**

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 5237	Uranium in Africa <i>Prof. Judith Kinnaird</i>
08:30	# 5238	Tin in Africa <i>Prof. Judith Kinnaird</i>
08:45	# 1818	The Hospital Sn-Nb-Ta deposit in Manono Mining District (Katanga-DR Congo): Geological and structural settings, Mineral potential <i>Dr. Francois Toto Lubala</i>
09:00	# 2798	Multiple tin mineralization events in Africa: Constraints by in-situ LA-ICPMS cassiterite U–Pb ages <i>Dr. Rongqing Zhang</i>
09:15	# 3514	The Mesoproterozoic East African Nickel Belt <i>John Paul Hunt</i>
09:30	# 4996	Rare Earth Element Deposits of Africa <i>Prof. Robin Harmer</i>
09:45	# 1810	Kimberlites from the Kundelungu Plateau (South East D.R. Congo): Age determination, Implications for regional tectonism and mineralization. <i>Dr. Jacques Mwandulo Batumike</i>

Thursday - Session 11**08:00–10:00****T18.11a - Mineral Deposits and Ore Forming Processes****Ballroom West**

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 3781	LA-ICP-MS and EMP relationships on pyrite grains from the Sheba, Fairview, and New Consort Gold Mines, Barberton Greenstone Belt, South Africa: An attempt for quantification. <i>Dr. Mohammed Alnagashi Hassan Altigani</i>
08:15	# 3046	Characterization of the Pre-Salt, Lower Carboniferous Carbonates Reservoirs in F Block, Northern Pre-Caspian Basin of Kazakhstan: preliminary results <i>Ms. Siyang Zhang</i>
08:30	# 3135	Textural, mineralogical and geochemical properties of marine sand resources off West Coast, India . <i>Mr. Gopalan Vannathan</i>
08:45	# 3314	New trace precious metal data on carrier minerals from the Kevitsa mine, Finland <i>Dr. Louis Cabri</i>
09:00	# 3692	New Contribution to Mineralogy of the Mussoorie Phosphorite <i>Dr. Dhiraj Banerjee</i>
09:15	# 5312	Differential Degassing of H ₂ Causes Redox Changes Affecting Multivalent Element Partitioning During Volatile Phase Saturation of Crystallizing Magmas <i>Prof. David Lentz</i>



Thursday 1 September

09:30	# 5490	Hydrothermal Fluid Evolution in Porphyry-Type Ore Deposits: Evidence from fluid inclusions, cathodoluminescence, and trace elements in quartz Brian Rusk
09:45	# 3414	Radon, Pb-isotopes and gold mineralisation in the Witwatersrand Basin Dr. Roger Dixon

Thursday - Session 12 10:30–12:00 T18.12 - Major Mineral Deposits of Africa (sponsored by Vale) Ballroom East

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 3354	A review of the Birimian Supergroup- and Tarkwaian Group-hosted gold deposits of Ghana Dr. George Henry
10:45	# 4473	The Gamsberg Zinc Deposit South Africa: awakening of a Mesoproterozoic supergiant Prof. Abraham Rozendaal
11:00	# 3312	Zeerust Fluorspar Field Mr. Allan Saad
11:15	# 4862	The west coast of South Africa: Giant depository of placer titanium and zircon Dr. Carlo Philander
11:30	# 3769	Environmental Impacts of Pt, Cr and V Mining in the S.W Limb of the Bushveld Complex Dr. Fred, N. Mphephu
11:45	# 3759	Archaean Gold on the Kaapvaal Craton of South Africa with Special Reference to the Barberton Greenstone Belt Mr. Trevor Pearton

Thursday - Session 12 10:30–12:00 T18.12a - Trace element analysis of minerals: applications in ore geology (Sponsored by IAGOD) / Phosphate deposits: state of the art and further potential Ballroom West

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 4096	Diversity of trace elements of kyanites and its petrogenetic and economic implications Prof. Axel Muller
10:45	# 4467	'Trace-element-in-mineral' signatures: acquisition, interpretation and application Prof. Nigel Cook
11:00	# 5127	Iron oxides: a versatile tool for geochemical fingerprinting and geochronology Dr. Cristiana Ciobanu
11:15	# 885	Fluorapatite deposit in a carbonatitic environment: processes and prospects Dr. Sophie Decrée
11:30	# 1177	Phosphorite deposits on the Namibian shelf Prof. John Compton
11:45	# 3915	Geology, geochemistry and ore genesis of the Neoproterozoic-Early Cambrian phosphorites in South China Prof. Shao Yong Jiang

Thursday - Session 13 14:00–15:30 T18.13 - Major Mineral Deposits of Africa (sponsored by Vale) Ballroom East

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 1858	Recent advances in understanding the 3D geometry of the Bushveld Complex using geophysical data Mrs. Janine Cole
14:15	# 3348	The Ivanplats Platreef Project, Northern Limb, Bushveld Complex Dr. Danie Grobler
14:30	# 4521	Platinum Group Metals Waterberg PGE deposit discovery. Mr. Gordon Chunnnett
14:45	# 5188	Discordant Bodies within the Critical Zone of the Bushveld Complex, South Africa: Overview and Effect on Mining and Exploration Dr. Roger Scoon (KEYNOTE SPEAKER)
15:15	# 4560	Platinum mining in western Bushveld - A relation between primary mineral alteration and loss of recovery in PGEs Mr. Bennard Van Heerden

Thursday - Session 13 14:00–15:30 T18.13a - Phosphate deposits: state of the art and further potential / Mineral Deposits and Ore Forming Processes Ballroom West

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 3992	Phosphate nodules from early Cambrian black shale sequence on Yangtze Platform, South China: A geochemical and isotopic investigation and implication for diagenetic fluid evolution Associate Prof. Jing-Hong Yang



14:15	# 4180	A global assessment of REE's in sedimentary phosphate deposits Dr. Poul Emsbo
14:30	# 3697	Phosphate mineralization in the Vergenoeg fluorite deposit (RSA) and its implication for the origin of REE-bearing fluid alteration Dr. Tobias Walter Höfig
14:45	# 4147	Messina copper-sulphide deposits revisited: Cathodoluminescence and fluid inclusion studies, Limpopo Province, South Africa Ms. Humbulani Rejune Mundalamo
15:00	# 2384	Zonality and Otherness of Mineralization for Massive Sulfide Deposit in the Chengmenshan Orefield, Jiangxi Province, China Mr. Xuhui Li
15:15	# 3200	Predicting Base Metal Concentrations in Crustal Fluids Mr. James Davey

Thursday - Session 14
T18.14 - Mineral Deposits and Ore Forming Processes
Ballroom East

16:00–17:45

TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 4933	The geological setting of the merensky reef and its relevance to mining operations – Royal Bafokeng Platinum, Styldrift Mr. Jaco Vermeulen
16:15	# 5381	V, Fe, Ti and P Mineralisation in the Upper zone of the Northern Limb Mr. Troth Saindi
16:30	# 4565	Developing through the Hex River Fault at 16 Shaft, Impala Platinum Mrs. Jacolene De Klerk / Mr. Bongani Nkabinde
16:45	# 3739	A significant vanadiferous, titano-magnetite deposit in the Tete Suite, Mozambique Dr. Hendrik F J Theart
17:00	# 5310	Geological characteristics of the Iron Oxide-Copper-Gold (IOCG) deposits in the Kangdian region, SW China Mr. Guangshu Yang
17:15	# 10	Chemistry of cassiterite, ferberite and columbite-tantalite samples from Rwinkwavu, Bugarura-Kuluti and Musha-Ntungwa mineral districts of the South-Eastern Rwanda. Mr. Jean-Claude Ngaruye
17:30	# 159	Analysis of pillar scaling in the Magdalena Colliery, Dundee, South Africa Dr. Egerton Hingston

Thursday - Session 14
T18.14a - Mineral Deposits and Ore Forming Processes
Ballroom West

16:00–17:45

TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 3730	Characteristic of the Orefield structures in the Wuxu polymetallic deposit, Danchi metal district, Guangxi, China Dr. Changhao Xiao
16:15	# 3829	Spatial distribution, chemical composition, and genesis of breccias in the Zn-Pb Lisheen mining district Dr. Thomas Riegler
16:30	# 340	Characterization of host rock and associated mineralization of VMS type Zn-Pb-Cu prospect at Muariya, Betul belt, India. Mr. P Nagar R
16:45	# 1109	Genesis of the sandstone-hosted Baxingtuo uranium deposit in the Songliao Basin, NE China Dr. Christophe Bonnetti
17:00	# 1545	2.7 Ga plume associated VMS mineralization in the Eastern Goldfields Superterrane: insights from the Ag-Zn-(Au) Nimbus deposit Dr. Steve Hollis
17:15	# 2329	Evolution of greisen-type Sn-W-Li-mineralizations (Zinnwald/Cínovec, Erzgebirge) - a microstructural and microthermometric approach Mr. Hendrik Haneklaus
17:30	# 1778	Tracking sources of mineralising fluids using tourmaline compositions: A case study from the Ardlethan tin deposits, Eastern Australia Mr. Patrick Carr

Thursday - Session 13
T21.13 - Shale gas basins of the southern hemisphere: stratigraphy, sedimentary environments, climate history, tectonics, and structural evolution
MR 1.61

14:00–15:30

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 5479	Strategic Environmental Assessment for shale gas development in South Africa Paul Lochner (KEYNOTE SPEAKER)



Thursday 1 September

14:30	# 3373	A multidisciplinary approach to decipher the complexity and potential of an unconventional gas resource: The Permian Whitehill Formation (Karoo Basin, South Africa) Prof. Annette E. Goetz
14:45	# 778	A Synthetic Study of Unconventional HC Potential Reservoir in Taiwan Dr. Louis Loung-Yie Tsai
15:00	# 147	"Petroleum Exploration into Black Shale System": Characteristics and Potentials Dr. Caineng Zou
15:15	# 53	Petroleum Accumulation: from Continuous to Discontinuous Prof. Jingzhou Zhao

Thursday - Session 14

16:00–17:45

T21.14 - Shale gas basins of the southern hemisphere: stratigraphy, sedimentary environments, climate history, tectonics, and structural evolution
MR 1.61

TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 1302	Sweet spots prediction and quantitative evaluation of gas-bearing shale based on the optimized log interpretation Prof. Maojin TAN
16:15	# 798	Development of the groundwater theme of the interactive vulnerability map for unconventional oil and gas in South Africa Mrs. Surina Esterhuyse
16:30	# 1816	Diagenetic, thermal and provenance histories of the Permian lower Ecca Group based on two newly drilled boreholes in the western and eastern main Karoo Basin, South Africa Ms. Claire Geel
16:45	# 557	Palynofacies of Permian black shales (Karoo Basin, South Africa): A powerful tool for shale gas exploration Prof. Annette E. Goetz
17:00	# 206	The impact of dolerite intrusions on the organic-rich mudstones of the Ecca Group in a borehole from the central Karoo Basin Mr. Elijah Adeniyi
17:15	# 1131	The use of thermomagnetic curves for paleotemperature evaluation in sedimentary basins Dr. Leonie Maré
17:30	# 1568	2D and 3D Inversion Results from Magnetotelluric Survey in the Eastern Karoo Basin, South Africa Ms. Jade Candice Greve

Thursday - Session 11

08:00–10:00

T23.11 - Applied Mineralogy and Geometallurgy / Strategic & Base Metals & Industrial Minerals
Westin - Marco Polo

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 5556	Applied mineralogy for the responsible utilisation of natural resources Dr. Deshenthree Chetty (KEYNOTE SPEAKER)
08:30	# 3940	Towards developing an integrated geometallurgical modelling framework of the minerals beneficiation chain Dr. Edson Charikinya
08:45	# 4551	Characterising flotation performance for geometallurgy - where are we at? Prof. Dee Bradshaw
09:00	# 4704	Considering rheology as a key geometallurgical tool Mr. Theophilus Dzingai
09:15	# 208	Mineralogy of excessive fines-producing manganese ore, Kalahari Manganese Field, South Africa Dr. Nicolaas Steenkamp
09:30	# 4413	Identifying extremely low-concentration non-target components in copper ores and concentrates Prof. Nigel Cook
09:45	# 3988	Development of a novel approach for integration of fundamental geological parameters with rock strength. Case Study: Los Bronces, Chile Prof. Dee Bradshaw

Thursday - Session 12

10:30–12:00

T23.12 - Strategic & Base Metals & Industrial Minerals
Westin - Marco Polo

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 1217	Geochemical analysis of the European Kupferschiefer – from method development to data assessment Anne Rahfeld
10:45	# 2011	Towards a geometallurgical model for by-product resource estimation of strategic metals within the St Austell kaolin deposits Mr. Quentin DEHAINE
11:00	# 4866	The geometallurgy of the Namakwa Sands heavy mineral deposit: Challenges and solutions Dr. Carlo Philander
11:15	# 5269	Mineralogy of TiO ₂ -ilmenite heavy mineral sand deposit of Nataka Mr. Silvio Jose Elias
11:30	# 5436	Importance of Geometallurgy in the Siilinjärvi Phosphate Mine Mr. Pasi Heino



11:45	# 4472	Mineralogical analysis of a fluorspar deposit: A case study from three ore zones at the Okorusu fluorspar Mine, Namibia <i>Mr. Piet Sebola</i>
-------	--------	---

Thursday - Session 13
14:00–15:30
**T23.13 - Precious Metals PGMs & Gold
Westin - Marco Polo**

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 4738	Platinum-group mineral composition and mineralogy of LG6 and LG6a chromitites of the western Bushveld Complex, South Africa <i>Mr. Kai Bachmann</i>
14:15	# 1915	Recovery of valuable elements from Platinum Group Metal (PGM) tailings and synthesis of iron-based materials <i>Ms. Sameera Mohamed</i>
14:30	# 3384	Further development of a chemistry proxy for geometallurgical modelling at the Mogalakwena Mine <i>Prof. Robert Schouwstra</i>
14:45	# 3282	Mineralogical and Geochemical variations in the UG2 reef at Booyendal and Zondereinde mines, with implications for beneficiation of PGM <i>Mr. Michael-John McCall</i>
15:00	# 3628	Platinum group minerals in oxidised chromitite layers and their behaviour during chromite concentration: a process mineralogy approach <i>Mr. Themba Mothupi</i>

Thursday - Session 14
16:00–17:45
**T23.14 - Applied Mineralogy and Geometallurgy: Technology
Westin - Marco Polo**

TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 3855	Quantifying the resource potential of flotation tailings storage facilities – the role of geometallurgical characterisation <i>Dr. Jens Gutzmer</i>
16:15	# 3097	Application of computer data processing and image analysis in studies of pore space in the Pennsylvanian sandstones from Western Pomerania <i>Dr. Aleksandra Kozłowska</i>
16:45	# 3057	Using X-ray Computed tomography (XCT) for the 3D textural analysis of drill core in geometallurgy <i>Dr. Megan Becker</i>
17:00	# 2039	PLSR and XRD for process monitoring and exploration of ores <i>Dr. Uwe König</i>
17:15	# 3040	Advanced Mineral Identification and Characterisation by μ -XRF <i>Mr. Samuel Scheller</i>
17:30	# 4952	Combining EDS and MICRO - XRF for advanced mineral classification and ore characterization <i>Mr. Max Patzschke</i>

Thursday - Session 11
08:00–10:00
**T27.11 - The Crustal Gold Cycle (jointly sponsored by SEG and SGA)
MR 1.41 - 1.42**

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 455	Gold mineralization in Chitradurga schist belt, Dharwar Craton, India <i>Mr. Jayaprakash Mohakul</i>
08:15	# 2101	High-K to shoshonitic magmatism across the northern Archean Kéména Man margin (Guinea): Implications for the late Eburnean orogenic gold mineralizations <i>Dr. Aurelien Eglinger</i>
08:30	# 560	Hydrothermal alteration and gold mineralization of the meta-sedimentary rock hosted gold deposit Awak Mas, Sulawesi Island, Indonesia <i>Mr. Ernowo Harjanto</i>
08:45	# 4419	Hydrothermal Fluid Evolution and its Implication on the Gold Mineralization associated with Chandil Formation within the North Singhbhum Crustal Province, Eastern India. <i>Dr. Vandana Jha</i>
09:00	# 645	Preservation of gold deposits in Jiaodong, China: constraints from biotite geobarometry and apatite Fission track data <i>Mr. Jianping Wang</i>
09:15	# 5586	Metallogenesis of Mesozoic Orogenic Gold Deposit in Bangong-Nujiang Suture Belt: An Example from the Shangxu Gold Deposit <i>Dr. Guangming Li</i>

Thursday - Session 12
10:30–12:00
**T27.12 - The Crustal Gold Cycle (jointly sponsored by SEG and SGA)
MR 1.41 - 1.42**

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 3353	Secular Au and PGE Sequestration in the Kaapvaal Cratonic Crust, South Africa <i>Mr. Glen Nwaila</i>
10:45	# 3632	Structural controls of fluid flow at the base of the Kagera Supergroup and implications for regional gold mineralization, Karagwe-Ankole Belt, north-western Tanzania <i>Mr. Corne Koegelenberg</i>



Thursday 1 September

11:00	# 2182	The Mineral Characteristics and Metallogenesis of Scheelite in the Zhaishang gold Deposit in the Western Qinling Orogenic Belt Dr. Jiajun Liu
11:15	# 3059	The Auriferous Mississagi and Matinenda Paleoplacer Formations of the Huronian Basin Mr. Wesley Whymark
11:30	# 2152	The continent of Ur and the beginning of the crustal gold cycle Dr. Quinton Hennigh
11:45	# 864	Fluid Inclusion and Multiple Isotope (H, O, S, Pb) Studies of the Sandaowanzi Epithermal Au-Ag-Te Deposit, NE China Dr. Degao Zhai

Thursday - Session 13

T27.13 - The Crustal Gold Cycle (jointly sponsored by SEG and SGA)
MR 1.41 - 1.42

14:00–15:30

TIME	PAPER #	PAPER TITLE & AUTHOR
14:15	# 5311	Topology of a mineralised stockwork: Sunrise Dam Gold Mine, W. Australia Dr. Thomas Blenkinsop
14:30	# 3502	Why are hypozonal orogenic gold deposits restricted to Precambrian orogens? Dr. Jochen Kolb
14:45	# 3283	Witwatersrand-type palaeoplacers in Brazil: Preliminary results of a comparative study between the Jacobina and Moeda gold deposits Mr. Enzo Garayp
15:00	# 5582	Geology of the giant Jiaodong gold province, China R.J. Goldfarb
15:15	# 1752	Use of pXRD in the quantitative assessment of alteration in epithermal Au deposits Dr. Ian Graham

Thursday - Session 14

T27.14 - Geology of gold deposits (jointly sponsored by SEG and SGA)
MR 1.41 - 1.42

16:00–17:45

TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 1874	Mobility of gold during metamorphism: links between fertility, efficiency and endowment Dr. Iain Pitcairn (KEYNOTE SPEAKER)
16:30	# 1877	The mantellic connections of Neoarchean sanukitoid porphyry gold deposits, Abitibi, Canada Dr. Michel Jébrak
16:45	# 2799	West African orogenic gold deposits: do they fit the global paradigm? Prof. Peter Treloar
17:00	# 2615	Mineralogical Study and Fluid Characteristics of Olon Ovoot Gold Deposit, Southern Mongolia Mrs. Oyungerel Sarantuya
17:15	# 5585	Textures and in-situ chemical and isotopic analyses of pyrite, Huijiabao Trend, Youjiang Basin, China: Implications for paragenesis and source of S Dr. Lin Hou
17:30	# 2098	Mineralizing fluids of hydrothermal gold deposits in geological history of Earth Prof. Vsevolod Prokofiev

Thursday - Session 11

T28.11 - Clastic Marine Depositional Systems / Climatic controls on sedimentary systems and processes
MR 1.43 - 1.44

08:00–10:00

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 5484	Climatic controls on the formation of evaporitic sequences and associated brine deposits in the Qaidam Basin, northern Tibet-Qinghai Plateau, China Prof. Junqing Yu
08:15	# 1004	Study of the coarse fraction components of deep-sea sediments from the Indian Ocean and its effect on the bulk sediment composition. Ms. Simontini Sensarma
08:30	# 4742	Surface Sediment Grain Size Characteristics and Their Response to the Hydrodynamic Conditions of Qiantang River Estuary, China Dr. Yuxin SHI
08:45	# 1528	The dispersal of Pearl River sediments on the northwest South China Sea Shelf, constrained by mineral chemistry and elemental geochemistry Dr. Gang Li
09:00	# 302	Evidences and provenances of Seismo-turbidites in the Northern Part of Narcondam-Barren Basin Mrs. Drishya G
09:15	# 5054	Palaeoenvironmental fluctuations during a terminal Oligocene-early Miocene transgression at the southwestern tip of Africa Dr. Hayley Cawthra
09:30	# 3147	Sedimentary Characteristics and Model of Shallowwater Delta System of the Paleogene of Jianquan Member in Yaerxia Area, Jiuquan Basin Ms. Jia-Ni Liao



09:45	# 3832	Reanalysis of cryptic sedimentological relationships involving the Southern Karoo Ripon Formation and the south-western Karoo Vischkuil/Laingsburg Formations: Implications for basin and palaeoenvironmental reconstruction <i>Mr. Schalk Walters</i>
-------	--------	---

Thursday - Session 12 **10:30–12:00**
T28.12 - Detrital Zircons in Basin Analysis: Provenance Reconstruction, Chronostratigraphy, Sediment Routing
MR 1.43 - 1.44

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 5506	Detrital Zircons as a Next-Generation Tool in Source-to-Sink Sedimentological and Stratigraphic Analysis <i>Dr. Mike Blum (KEYNOTE SPEAKER)</i>
11:00	# 3403	Late Cretaceous and Paleogene Sediment-dispersal Systems in an Evolving Foreland-basin System, Northern and Central Mexico <i>Dr. Timothy Lawton</i>
11:15	# 562	Late Paleozoic Sediment Routing Systems of the Appalachian Basin – Linkages with Alleghanian Orogenesis <i>Dr. Kenneth Eriksson</i>
11:30	# 3965	Late Ediacaran large river deposits at the Siberian Platform south-west: sedimentology and provenance relating to paleocontinents connection <i>Dr. Julius Sovetov</i>
11:45	# 3394	Zircon U–Pb ages and Hf isotopic evidence for Eoarchean crustal remnant, crustal growth and reworking in NW India and implications on supercontinental cycles <i>Dr. Wei Wang</i>

Thursday - Session 13 **14:00–15:30**
T28.13 - Detrital Zircons in Basin Analysis: Provenance Reconstruction, Chronostratigraphy, Sediment Routing
MR 1.43 - 1.44

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 4815	Cretaceous through Paleogene North American Drainage Reorganization from Detrital Zircons <i>Dr. Mike Blum</i>
14:15	# 5126	Detrital record of tectonic and climate interactions during Gondwanide orogenesis from the lower Ecca Group, Karoo basin, South Africa <i>Dr. Amy Weislogel</i>
14:30	# 3817	Source to sink relations between Neocomian sandstones from the Akamas area and Late Miocene sandstones from the Psematismenos area (Cyprus): Evidence from detrital U-Pb zircon geochronology <i>Dr. Jean-Michel KLUSKA</i>
14:45	# 4327	Source to sink - or sink to sink? Sedimentary recycling and its effects on detrital zircon-based provenance analysis <i>Prof. Tom Andersen</i>
15:00	# 3304	A Geochronological Study of Paleogene- Neogene Foreland Basin Sediments Western Nepal Himalaya: Implication of Provenance Analysis <i>Dr. Upendra Baral</i>
15:15	# 4003	A provenance study of the Mesozoic North Celtic Sea Basin and eastern sector of the Upper Devonian Munster: insights from detrital zircon U-Pb ages. <i>Mr. Brenton Fairey</i>

Thursday - Session 14 **16:00–17:45**
T28.14 - Detrital Zircons in Basin Analysis: Provenance Reconstruction, Chronostratigraphy, Sediment Routing / Continental Sedimentation
MR 1.43 - 1.44

TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 4562	The answers are blowin' in the wind: ultra-distal airfall zircons, evidence of Cretaceous super-eruptions in eastern Gondwana <i>Dr. Milo Barham</i>
16:15	# 1281	U-PB Detrital Zircon signatures of Mississippian clastic rocks and their tectonic implications, southern mid-continent, United States <i>Dr. Xiangyang Xie</i>
16:30	# 1264	Evolution of the western Namibian drainage systems since Eocene times – a multi-methodical approach <i>Mr. Andreas Gärtner</i>
16:45	# 5525	A quantitative knowledge base of continental depositional systems: new approaches to fluvial facies models and sequence stratigraphy <i>L. Colombero (KEYNOTE SPEAKER)</i>
17:15	# 603	Need to relook on depositional environment of the Himalayan Foreland Basin during transition from the last marine to first continental sedimentation <i>Dr. Seema Singh</i>
17:30	# 2963	There's More Than One Way to Build a Point Bar: Multiple Growth Processes in River-Channel Point Bars <i>Prof. John Holbrook</i>

Thursday - Session 11 **08:00–10:00**
T30.11 - Reconstruction of East Asian Blocks in Pangea
Auditorium 1

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 2636	Reconstructing the role of South China in Pangea and earlier supercontinents <i>Prof. Peter Cawood (KEYNOTE SPEAKER)</i>



Thursday 1 September

08:30	# 295	Early Paleozoic subduction processes of the southern Paleo-Asian Ocean: Insights from Paleozoic diorites and granitoids in the Alxa Terrane <i>Ms. Qian Liu</i>
08:45	# 779	Late Mesozoic Intracontinental orogeny of the Qinling orogen, central China and its implication <i>Dr. Anlin Guo</i>
09:00	# 1098	Ophiolites in the Xing'an-Inner Mongolia accretionary belt of the CAOB: Implications for two cycles of seafloor spreading and accretionary orogenic events <i>Prof. Shuguang Song</i>
09:15	# 1330	Early-Paleozoic structural features and tectonic evolution of the eastern part of the northern boundary of the Proto-Tethys Ocean <i>Dr. Shujuan Zhao</i>
09:30	# 1336	Northern Continental Margin of the Gondwanaland in Early Paleozoic: insights from restoration of two orocline orogens in the Proto-Tethyan Tectonic Domain <i>Dr. Sanzhong Li</i>
09:45	# 1485	New paleomagnetic results from the Mesozoic rocks of the Indochina block <i>Mr. Yonggang Yan</i>

Thursday - Session 12

10:30–12:00

T30.12 - Reconstruction of East Asian Blocks in Pangea Auditorium 1

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 1497	Petrogenesis of Permian intermediate-mafic dikes in the Chinese Altai, NW China: implication for a post-accretion extensional scenario <i>Dr. Keda Cai</i>
10:45	# 1651	New insights into Early Paleozoic tectonism of South China from structural geology, U-Pb geochronology and 40Ar/39Ar thermochronology <i>Dr. Jianhua Li</i>
11:00	# 1740	The evolution of the Ailaoshan Ocean: recorded by detrital zircons from Permo-Triassic strata <i>Prof. Xiaoping Xia</i>
11:15	# 1762	The geodynamics of northern part of Sikhote-Alin orogen <i>Dr. Alexei Didenko</i>
11:30	# 1808	Differentiation of the Altai accretionary wedge: implications for the stabilization of continental crust in the Central Asian Orogenic Belt <i>Dr. Yingde Jiang</i>
11:45	# 1819	Melting of subducted slab in the Chinese Altai during Devonian and its tectonic implications <i>Mr. Yang Yu</i>

Thursday - Session 13

14:00–15:30

T30.13 - Reconstruction of East Asian Blocks in Pangea Auditorium 1

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 1882	New paleomagnetic results from the ~130 Ma volcanic rocks of North China and southern Mongolia, and their implications for the tectonic evolution of the Mongol–Okhotsk suture <i>Dr. Qiang Ren</i>
14:15	# 1890	U-Pb geochronology and geochemistry of volcanic rocks in the Manzhouli-Erguna, northeastern China and tectonic implications <i>Ms. Wing Sum Regine Tsui</i>
14:30	# 2204	An Introduction to the Major NSFC Program “Reconstruction of East Asian Blocks in Pangea” <i>Prof. Guochun Zhao</i>
14:45	# 2338	Transformation hybrid oceanic lithosphere into continent and enigma of Paleozoic Asian continental growth <i>Prof. Karel Schulmann</i>
15:00	# 2348	The Discussion about the Closure Time of the Paleo-Asian Ocean in the Northeast Asian Area <i>Mr. Mao Fu</i>
15:15	# 2424	Distinct structural evolution of two contrasting litho-tectonic domains in the Chinese Altai: unravelling a complicated accretionary process of the western Central Asia Orogenic Belt <i>Prof. Jian Zhang</i>

Thursday - Session 14

16:00–17:45

T30.14 - Reconstruction of East Asian Blocks in Pangea Auditorium 1

TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 2508	The Devonian-Permian Tarbagatay accretionary complex of western Junggar (NW China): implications for the amalgamation of the western CAOB <i>Prof. Wenjiao Xiao</i>
16:15	# 2580	Is the South China Block an accretionary orogeny? Insights from recent geological and geochronological evidence <i>Prof. Changqing Yin</i>
16:30	# 3424	The systematic metamorphic pattern along the Qinling-Dabie-Hongseong collision belt between the North and South China blocks and its tectonic meaning <i>Prof. Chang Whan Oh</i>



16:45	# 3880	New Paleomagnetic data from Upper Permian and Lower Triassic Volcanic Sequences from Northwest Vietnam and Their Bearing on the Accretion History of Southeast Asia Prof. John Geissman
17:00	# 5132	How did the North China craton meet the Amuria block in Permian Dr. Shihong Zhang
17:15	# 4358	Enigmatic Paleopositions of South China in the Rodinian and Gondwanan Reconstructions: New paleomagnetic constraints Prof. Zhenyu Yang
17:30	# 5057	Accretionary tectonic architecture inferred from offset magmatic age signatures between terranes of the Beishan orogenic collage in the southern Central Asian Orogenic Belt, NW China Prof. Shoufa Lin

Thursday - Session 11
T31.11 - The Deep Earth
Hall 4B3

08:00–10:00

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 3866	New tectonic and Metallogenic Maps of North, Central, East Asia and Adjacent Areas Dr. Gennadiy Babin
08:15	# 2738	Enhancement on deep structure by constraint inversion with gravity seismic and borehole data sets Dr. Ping Yu
08:30	# 2212	Cratons forged by large igneous provinces: Evidence from the Siberian and Yangtze Cratons Prof. Qin Wang
08:45	# 2433	Measuring Pb in Mantle Sulfides Using In-Situ Techniques Dr. Megan D'Errico
09:00	# 505	REE enriched Carbonatite from Kamthai area, Barmer district, Rajasthan, India: imprints of a $\delta^{34}\text{S}$ depleted mantle source. Mr. Subhasish Ghosh
09:15	# 111	Planar deformation bands in zircon: a new evidence of seismicity Dr. Elizaveta Kovaleva
09:30	# 3699	Oxidation state of the lithospheric mantle beneath the Massif Central, France: the message from clinopyroxene Dr. Alan Woodland
09:45	# 4617	A new generation 3D density model of the lithosphere and upper mantle of Asia and surroundings Dr. Mikhail Kaban

Thursday - Session 12
T31.12 - Lithosphere-Asthenosphere Boundary
Hall 4B3

10:30–12:00

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 4285	Global Seismic Lithosphere-Asthenosphere-Boundary Measurements from Full Waveform Tomography Dr. Huaiyu Yuan
10:45	# 4893	Imaging the lithosphere-asthenosphere boundary beneath continents using mineral physics and surface observational constraints Prof. Alan Jones
11:00	# 5009	Interaction of melt and deformation at the lithosphere-asthenosphere boundary Dr. Mary-Alix Kaczmarek
11:15	# 4275	Lithospheric thickness beneath the East African Rift System: results from surface wave tomography Dr. Stewart Fishwick
11:30	# 5343	The Stability of Tibetan Continental Mantle Lithosphere Prof. Gregory Houseman
11:45	# 3210	Do Mantle Plumes Preserve the Heterogeneous Structure of their Deep Mantle Source? Dr. Rhodri Davies

Thursday - Session 13
T31.13 - The Deep Earth
Hall 4B3

14:00–15:30

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 2104	The geology and petrochemistry of the pre–Middle Jurassic Pontic Ophiolites, central-northern Turkey Dr. Ender Sarifakioglu
14:15	# 4334	Geological processes and mineralization of the continental margin in the Western Pacific Ocean Mr. Tingdong Li
14:30	# 2951	Relationship of important geological events and Large-scale Mineralization: evidences from the China & Adjacent Areas Dr. Qiu Ruizhao
14:45	# 5117	Academic “Treasure” from Industry “Trash”- Unconventional Imaging with Large N Seismic Exploration Datasets. Prof. Larry Brown



Thursday 1 September

15:00	# 1790	Metamorphic zones and constraining on timing of the major metamorphism event in the Qinling Complex, western Henan Province Dr. Liudong Ren
15:15	# 5130	Deep Seismic Reflections and Mineral Deposits Prof. Larry Brown

Thursday - Session 14 T31.14 - The Deep Earth Hall 4B3

16:00–17:45

TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 1942	Deep Structure Maps of Northern, Central and Eastern Asia Dr. Evgenia Milshtein
16:15	# 1823	Northern-Central-Eastern Asia: Main Structures and Processes of the Earth Crust Formation of Different Ages Dr. Sergey Shokalsky
16:30	# 4934	Integrated 3D Geophysical Model of the Main Karoo Basin Prof. Susan Webb
16:45	# 1580	Can mantle suction flow trigger subduction initiation at passive margins? Dr. Marzieh Baes
17:00	# 4524	Conditions, durations and the response of the lower crust to high-temperature metamorphic events Dr. Chris Clark
17:15	# 1326	Petrological and Metamorphic Evolution Study of the Staurolite-bearing Garnet Amphibolite in the Nyingchi complex of the Lhasa Block Dr. Cong Zhang
17:30	# 4496	Seismic structure and heterogeneity of the oceanic crust Prof. Qin Wang

Thursday - Session 11 T32.11 - Redox texture of the Archean atmosphere and ocean Hall 4B4

08:00–10:00

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 5158	A decade of progress in studies of Archean oxygenation Prof. Timothy Lyons (KEYNOTE SPEAKER)
08:30	# 1648	Biogeochemical cycling of Fe, S, C, N, and Mo recorded in DXCL black shales suggests existence of oxygenated ocean 3.2 billion years ago Prof. Kosei Yamaguchi
08:45	# 4330	Evidence from molybdenum isotopes for a transient and localized nature of free aquatic oxygen around 3 Ga Prof. Jan Kramers
09:00	# 1934	Species-specific Fe-isotopes on Palaeoproterozoic BIF and their implications Mr. Paul Oonk
09:15	# 5476	Oxygen-based redox systems in dynamic Archean oceans Prof. Nicolas Beukes (KEYNOTE SPEAKER)
09:45	# 5417	U-Pb age for the Ongeluk Basalts: implications for GOE and global glaciations Dr. Wouter Bleeker

Thursday - Session 12 T32.12 - The Hadean and Archaean Earth Hall 4B4

10:30–12:00

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 5466	Resolving history of the early Paleoproterozoic time reveals patterns similar to those in the late Neoproterozoic Dr. Andrey Bekker
10:45	# 4350	Stagnant-lid tectonics during the Archaean and delayed onset of plate tectonics Dr. Vinciane Debaille
11:00	# 5390	On the remarkable similarity of the Archaean geological evolution of the Singhbhum and Kaapvaal cratons Mr. Axel Hofmann
11:15	# 5223	Development of the depleted mantle reservoir and growth of the continental crust begins at ~ 3.8 Ga. Prof. Jeff Vervoort
11:30	# 2360	Major element composition of Early Enriched Reservoir: Constraints from 146Sm-142Nd system and melting experiments of primitive peridotite Ms. Nozomi Kondo
11:45	# 5305	Amphibole-dehydration melting for Hadean protocrust Prof. Xiaolei Wang

**Thursday - Session 13****14:00–15:30****T32.13 - Crust formation and recycling from the Hadean to the late Archaean: The transition to plate tectonics
Hall 4B4**

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 3575	The evolution of Archean cratonic roots: a geophysical perspective Dr. Walter Mooney
14:15	# 3603	A volcanic plateau origin of the Barberton granitoid-greenstone terrain Prof. Martin Van Kranendonk
14:30	# 2381	Granite-greenstone relationships in the oldest mafic rocks of the Barberton Greenstone Belt, South Africa Mrs. Kathrin Schneider
14:45	# 3293	Zircon ages and Hf-O isotopes of the Stolzburg and Honingklip plutons in the southern Barberton Granitoid-Greenstone Terrane, South Africa: Implications for tectonic processes Dr. Hao Wang
15:00	# 695	High-grade metamorphism and crustal melting at ca. 3.2 Ga in the eastern Kaapvaal craton, southern Africa Prof. Alfred Kröner
15:15	# 3285	Zircon Hf-O isotopic evidence for generation and reworking of ancient crust in Swaziland Dr. Jin-Hui Yang

Thursday - Session 14**16:00–17:45****T32.14 - Crust formation and recycling from the Hadean to the late Archaean: The transition to plate tectonics
Hall 4B4**

TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 5256	The Earth at 4.1 billion years Prof. Mark Harrison (KEYNOTE SPEAKER)
16:30	# 1880	The Archean Dharwar craton, southern India: A wide time window to accretionary orogenesis, continental growth and assembly of micro-blocks Prof. Jayananda Mudlappa
16:45	# 4086	3.3 Ga Intraplate Volcanic-Plutonic System of the Gavião Block, São Francisco Craton, Brazil: Implications for Paleoproterozoic Crustal Growth Dr. Stefano Zincone
17:00	# 3865	A Transition from Stagnant to Mobile Lid Tectonics Between 4.0 and 2.55 Ga Is Recorded in Continental Crust of the Wyoming Craton, USA Dr. David Mogk
17:15	# 4717	SIMS dating of the Neoarchean to Eoarchean Saglek block, Labrador Dr. Daniel Dunkley
17:30	# 290	Archean magmatism and crustal evolution in the northern Tarim Craton: insights from zircon U-Pb-Hf-O isotopes and geochemistry of ~2.7 Ga orthogneiss and amphibolite in the Korla Complex Dr. Rongfeng Ge

Thursday - Session 11**08:00–10:00****T33.11 - Crustal Evolution in the Indian Peninsula: Special Reference to Central Indian Craton /
Geodynamics and metallogenesis of the West African Craton
MR 1.62**

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 1520	Mesoproterozoic Orogeny along Eastern Boundary of Aravalli Craton, Northwestern India: a Tectonostratigraphic and Geochronological Study Mr. Siladitya Sengupta
08:15	# 1633	Geochemistry, depositional environment and tectonic setting of Neoarchean banded iron formations: Evidence from western Bastar craton, central India Prof. Deepak Malpe
08:30	# 4507	Petrogenetic and geochemical constraints of high-Mg Granitoids from Bundelkhand craton, central India Mrs. Gargi Rai
08:45	# 3150	New constraints from zircon U-Pb ages and Hf isotopic compositions on the late Palaeoproterozoic continental arc granitoids in the Aravalli orogen, NW India Prof. Naveen Chaudhri
09:00	# 4395	Geochemical characterization and petrogenesis of the Proterozoic mafic magmatism in Gwalior Basin, Central Indian Shield – constraints on crustal evolution Dr. Samom Jewellys Devi
09:15	# 4401	Geochemical characterization and petrogenesis of Proterozoic Khairagarh Volcanics and the Sakoli Mobile Belt; Bastar Craton, Central Indian shield: implication for Precambrian crustal evolution Dr. Longjam Chanu / Prof. Talat Ahmad
09:30	# 3367	Metamorphic evolution of the West African Craton Dr. Lenka Baratoux (KEYNOTE SPEAKER)



Thursday 1 September

Thursday - Session 12

T33.12 - Geodynamics and metallogenesis of the West African Craton MR 1.62

10:30–12:00

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 192	Paleoproterozoic evolution of the Guiana Shield in Suriname: A revised model Prof. Dr. Salomon B. Kroonenberg
10:45	# 658	Tectonics-mineralisation relationships in ancient cratons, a new structural frame Dr. Denis Gapais
11:00	# 3235	Preliminary Report of the Ghana Birimian Greenstone Belt Drilling Project (GHB): Reconstruction of the Paleoproterozoic ocean environment Dr. Shoichi Kiyokawa
11:15	# 4773	Self-consistent thermo-chemical modelling of the lithosphere beneath the West African Craton Prof. Alan Jones
11:30	# 4526	Precise zircon dating reveals the threefold evolution of the Sinclair Supergroup of Namibia. Prof. David Cornell
11:45	# 4504	Lower and middle crust exhumation during Palaeoproterozoic accretionary tectonics: Key new evidence from the Sefwi Greenstone Belt, SW Ghana Ms. Helen McFarlane

Thursday - Session 13

T33.13 - Mesoproterozoic Orogens MR 1.62

14:00–15:30

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 5217	Progressive structural overprinting during convergence of arcs and accretion to the Kaapvaal Craton: Evidence from the northern Natal belt, South Africa Dr. Juergen Reinhardt
14:15	# 2851	Proterozoic tectono-magmatic processes in Aravalli- Delhi Mobile belt, NW India and its implication to Columbia and Rodinia Supercontinents Mr. Sudheer Kumar Tiwari
14:30	# 1607	Mesoproterozoic geochronology in the North China Craton Dr. Huaikun Li
14:45	# 4097	Tectonic Tribulations of Rodinian-Columbian vintage along the western margin of the Kaapvaal Craton Mr. Marthinus Mathee
15:00	# 3778	The geochronology and geochemistry of the ferroan, A-type granites on the eastern margin of the Namaqua Sector, Namaqua-Natal Metamorphic Province, southern Africa Dr. Russell Bailie
15:15	# 4841	The Discovery of the Neoproterozoic rift-related felsic volcanic rocks in the northern margin of North China Craton: Implications for Rodinia reconstruction and mineral exploration Prof. Runmin Peng

Thursday - Session 14

T33.14 - Proterozoic magmatic processes; insights into the crustal growth and accretionary events in diverse tectonic settings MR 1.62

16:00–17:45

TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 3532	Proterozoic magmatic processes; insights into the crustal growth and accretionary events in diverse tectonic settings Dr. Valiveti Venkata Sesha Sai (KEYNOTE SPEAKER)
16:30	# 224	Gravity magnetic survey across Moyar Bhavani Shear Zone, Southern Granulite Terrain, India and its implications for Neoarchean-Paleoproterozoic subduction-accretion tectonics Mr. S Ganguli
16:45	# 1097	The four archaean crustal segments of São Francisco Craton, Bahia, Brazil, and their paleoproterozoic collision. Mr. Rafael Barbosa
17:00	# 321	Magmatic and metamorphic P-T evolution of Udayagiri anorthosite complex, Eastern Ghats Belt, Eastern India Mr. Satya Narayana Mahapatra
17:15	# 408	Plagioclase Megacrysts in Proterozoic Leucogabbro Dyke from Bastar Craton, Central India: Melt-crystal interaction at crustal level Dr. Muduru Iachhana Dora
17:30	# 350	Geochemistry of mafic sanukitoids and Closepet type rocks from Palghat-Cauvery Shear zone: implications on Archaean-Proterozoic crustal evolution in the Southern Granulite Terrain, India. Dr. Soney Kurien

Thursday - Session 11

T38.11 - Challenges in ultrahigh-temperature (UHT) granulite metamorphism and crustal melting Westin - Diaz & Da Gama

08:00–10:00

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 1588	UHT metamorphism from In Ouzzal terrane (Hoggar, southern Algeria) Prof. Khadidja Ouzegane



08:15	# 1843	Widespread CO ₂ -rich cordierite in the UHT Bakhuis Granulite Belt, Suriname <i>Dr. Emond de Roever</i>
08:30	# 2576	Paleoproterozoic ultrahigh-temperature pelitic granulites in the northern Sulu orogen, China <i>Dr. Xiang Hua</i>
08:45	# 1524	Granitic intrusions and UHT metamorphism in the Southern Marginal Zone of the Limpopo Complex, South Africa <i>Prof. Oleg Safonov</i>
09:00	# 4774	A brief pulse of Archean granulite-facies metamorphism: the Beartooth Mountains of Montana, US <i>Dr. Mark Caddick</i>
09:15	# 4854	HT/UHT garnet geo-thermochronology: Limitations and applications from two Neoproterozoic terranes <i>Dr. Besim Dragovic</i>
09:30	# 1464	Tectonic drivers of UHT metamorphism in Eastern Indonesia <i>Dr. Jonathan Pownall</i>
09:45	# 2962	ET at high-T: metamorphism of ordinary chondrites <i>Dr. Tim Johnson</i>

Thursday - Session 12**10:30–12:00**

T38.12 - Microscale is the key: microstructural and microchemical studies of metamorphic processes to unravel compositional and geodynamic evolution of the Earth
Westin - Diaz & Da Gama

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 4048	Fluid-rock interaction : Hydration, stress generation and mass transfer <i>Prof. Andrew Putnis (KEYNOTE SPEAKER)</i>
11:00	# 4279	The rapid kinetics of fluid-catalyzed exsolution processes in hydrothermal systems <i>Prof. Joel Brugger</i>
11:15	# 3621	Details of the gabbro-to-eclogite transition determined from microtextures and calculated chemical potential relationships <i>Mr. Simon Schorn</i>
11:30	# 1299	The timing of mantle metasomatism revealed by diffusion profiles in zoned garnet crystals – a nanoSIMS study <i>Dr. Brendan Hanger</i>

Thursday - Session 13**14:00–15:30**

T38.13 - Microscale is the key: microstructural and microchemical studies of metamorphic processes to unravel compositional and geodynamic evolution of the Earth
Westin - Diaz & Da Gama

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 2018	From shale to slate: using High Resolution X-Ray Tomography to determine the lower boundary of metamorphism in pelitic rocks <i>Dr. Victor Cardenas</i>
14:15	# 3411	Extreme nanogranites: unadulterated mantle-depth, granitic melt inclusions crystallised to kumdykolite+kokchetavite+cristobalite <i>Prof. Patrick O'Brien</i>
14:30	# 4722	Carbonatitic melt inclusions in peritectic garnet from Carlos Chagas batholith: Implications for crustal melting in the Araçuaí orogen, Brazil <i>Prof. Gary Stevens</i>
14:45	# 4486	Disequilibrium melting of plagioclase during the generation of s-type granite magma <i>Ms. Nonkuselo Madlakana</i>
15:00	# 3506	Fluid-melt evolution during prograde melting as recorded in the garnets of the Oberpfalz migmatites, Western Moldanubian Zone (Central Europe) <i>Dr. Silvio Ferrero</i>

Thursday - Session 14**16:00–17:45**

T38.14 - Microscale is the key: microstructural and microchemical studies of metamorphic processes to unravel compositional and geodynamic evolution of the Earth
Westin - Diaz & Da Gama

TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 4157	Oriented inclusions and nanoparticles in apatite in the Sulu UHP terrane, eastern China <i>Mr. Yu Hong</i>
16:15	# 2110	Boosting the petrochronology arsenal: REE partitioning between garnet and monazite in Bhutanese pelitic metasediments <i>Dr. Tom Argles</i>
16:30	# 4927	U-Th-Pb isotope behaviour in zircon, monazite, apatite, allanite, xenotime, titanite and rutile: deciphering high-temperature poly-metamorphism by in situ LA-SF-ICP-MS dating of accessory minerals <i>Dr. Jeanne Taylor</i>
16:45	# 3860	Assessment of the Ti-in zircon thermometer by documenting prograde and retrograde zircon growth in a high-pressure migmatitic pelitic schist of the Canadian Cordillera <i>Prof. Felix Gervais</i>
17:00	# 3273	Spectroscopic approaches to probing metamorphic episodicity and its drivers <i>Dr. Daniel Viete</i>
17:15	# 4746	Trace-element variation in metamorphic apatite <i>Ms. Isadora Henrichs</i>



Thursday 1 September

Thursday - Session 11

08:00–10:00

**T40.11 - Uncovering the great unknown – mapping the Earth's ocean floor
Westin - Seal/Robben**

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 3170	Seabed substrate and sedimentation rate data from Europe's Seas, EMODnet Geology Anu M. Kaskela
08:15	# 1921	Mapping tectonics: a key element in submarine geological events and probabilities assessment Dr. Filomena Loreto
08:30	# 5288	Introducing INFOMAR, Ireland's national seabed mapping programme Mr. Koen Verbruggen
08:45	# 2083	Offshore geological mapping from high resolution datasets – a “new” way to investigate the evolution of the anglo-parisian basin. Dr. Fabien Paquet
09:00	# 1986	Map of submerged volcanic structures in Italy Dr. Alessandra Pensa
09:15	# 1560	Seabed environments of the remote southeastern Indian Ocean in the search area for Malaysian Airlines flight MH370 – remnants of Gondwana, mass wasting, spreading ridges and volcanoes Ms. Kim Picard
09:30	# 2020	The importance of Marine Spatial Planning and high resolution mapping for deep-water areas: A case study from the southwest of Ireland's Exclusive Economic Zone Dr. Gill Scott
09:45	# 4640	Mapping the seafloor of the UK, Europe and the North Atlantic Ocean: sharing information to deliver new marine geological products Mr. Alan Stevenson

Thursday - Session 12

10:30–12:00

**T40.12 - Marine Geosciences and Oceanography
Westin - Seal/Robben**

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 759	The Mozambique Ridge: a product of long lasting magmatic activity Dr. Gabriele Uenzelmann-Neben
10:45	# 452	Agglutinated Foraminifer Community within Central Andaman Trough of Andaman Sea: An approach to understand the effect of spreading axis channel way on fauna Mr. Danish Anwar
11:00	# 472	Provenance and paleoenvironmental events inferred from the geochemical records of Quaternary marine sediments from South Andaman Sea Dr. Mohan Nagasundaram
11:15	# 474	Quaternary Planktonic Foraminifer Biostratigraphy and Biochronology of a Deep Sea Core from South Andaman Sea Mr. Mritunjay Chaturvedi
11:30	# 475	Variations in the abundance of Micro-fauna during the late Pleistocene and Holocene: Andaman Sea Mr. Rajesh Kumar Joshi
11:45	# 1539	Reconstructing Mid- to Late Holocene sea-level changes from coral microatolls, French Polynesia Dr. Nadine Hallmann

Thursday - Session 13

14:00–15:30

**T40.13 - Marine Geosciences and Oceanography
Westin - Seal/Robben**

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 4608	Cold seep benthic foraminiferal assemblages as indicator to methane venting events in the northern South China Sea Dr. Xin Su

Thursday - Session 11

08:00–10:00

**T41.11 - Geological and tectonic evolution of the Arctic
MR 2.64 - 2.66**

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 1604	Geological Structure and History of the Arctic Ocean Dr. Oleg Petrov
08:15	# 937	Dating reductive fluids flow by means of paleomagnetic data; example from the Triassic sandstones of the southern Spitsbergen Prof. Marek Lewandowski
08:30	# 3080	Tectonic Map of Arctic Canada (TeMAC): accurately tracking 4 billion years of crustal history Dr. Marc St-Onge
08:45	# 1025	The Late Proterozoic - Paleozoic history of the Timan-Pechora – Polar Urals – West Siberian region Dr. Dmitrii Remizov
09:00	# 676	The Tectonic Map of the East Siberian Sea: the Undisturbed Paleozoic Cover (According to the Data Acquired by MAGE) Prof. Gennady Ivanov
09:15	# 3633	New evidences for the continental nature of the central Arctic submarine elevations and their structural connection with the Eurasian shelf Dr. Valeriy Kaminsky



09:30	# 1231	Tectonic structure and evolution of the Alpha-Mendelev Fracture Zone <i>Dr. Andrey Chernykh</i>
09:45	# 1191	The structure and morphology of heterogeneous acoustic basement of the Eastern Arctic <i>Dr. Pavel Rekant</i>

Thursday - Session 12**10:30–12:00****T41.12 - Geological and tectonic evolution of the Arctic**
MR 2.64 - 2.66

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 3249	The Eocene Eureka Deformation in the Arctic - architecture and kinematics of a strange foldbelt <i>Dr. Karsten Piepjohn</i>
10:45	# 1599	Upper Triassic hydroexplosive breccia: a possible new diamondiferous formation of Arctic Siberia <i>Dr. Mikhail Naumov</i>
11:00	# 1685	Model of regional geodynamics for arctic and north-eastern Asia <i>Dr. Leopold Lobkovsky</i>
11:15	# 2742	Shallow drilling in North-East Barents Sea <i>Mr. Dag Bering</i>
11:30	# 2058	Palaeozoic carbonate deposits and fauna in the Mendelev Rise <i>Dr. Olga Kossovaya</i>

Thursday - Session 13**14:00–15:30****T41.13 - Geological and tectonic evolution of the Arctic**
MR 2.64 - 2.66

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 2766	Crustal structure of the Mendelev Rise by ocean bottom seismometers data <i>Dr. Alexander Rybalka</i>
14:15	# 2129	Cenozoic exhumation of the western Brooks Range, Alaska, USA, revealed from apatite fission track data <i>Dr. William Craddock</i>
14:30	# 2233	Structure and seismic stratigraphy of sedimentary cover in the Amerasian Basin of the Arctic Ocean <i>Mr. Artem Kireev</i>
14:45	# 2450	The Precambrian age of the Arctic shelf basement and plate tectonic reconstructions based on the first paleomagnetic data <i>Prof. Valery Vernikovsky</i>
15:00	# 5145	Crustal provenance of the "Timanide" detrital zircon geochronology signature in the circum-Arctic stratigraphic record. <i>Mr. Eric Gottlieb</i>
15:15	# 2460	Timing and formation of structural highs in the eastern part of the northern Norwegian Barents Sea <i>Mr. Rune Matningsdal</i>

Thursday - Session 14**16:00–17:45****T41.14 - Geological and tectonic evolution of the Arctic**
MR 2.64 - 2.66

TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 3823	Advance of Triassic prograding clinoforms in the Barents Sea from the Norwegian mainland to Kvitøya in the Svalbard Archipelago <i>Mr. Tore Hoy</i>
16:15	# 4964	Tectonic model for the evolution of the Arctic Ocean <i>Mr. Harald Brekke</i>
16:30	# 4972	Lithosphere structure and topography around the North Atlantic Ocean <i>Prof. Hans Thybo / Prof. Irina Artemieva</i>
16:45	# 5241	Tectonic map of Alaska: A record of deformation before, during, and after assembly of the northwest promontory of North America <i>Dr. Thomas Moore</i>
17:00	# 3447	Mesozoic fault activity and diapirism in the Sverdrup Basin: new insights into the tectonic evolution of the NE Canadian Arctic <i>Dr. Berta Lopez-Mir</i>
17:15	# 3995	Digital Modeling of Bathymetric Data for the Arctic Basin Charting <i>Prof. Konstantin Stavrov</i>
17:30	# 4432	Carboniferous carbonate rocks of Chukotka fold belt: facies, geochemical and isotopic data (North-East of Russia) <i>Dr. Marianna Tuckova</i>

Thursday - Session 11**08:00–10:00****T42.11 - Regolith, paleoweathering and continental surface dynamics: from landscape to the global perspective**
Westin - Prince Edward/Schappen

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 994	Landscape evolution and regolith characteristics of east central Namibia <i>Dr. Kenneth McQueen (KEYNOTE SPEAKER)</i>
08:30	# 277	Basalt weathering processes and landforms in the Lesotho Highlands, southern Africa <i>Prof. Stefan Grab</i>



Thursday 1 September

08:45	# 4159	The use of lateritic profiles to interpretation of geomorphological evolution in cuestas areas: the case of Itaqueri Hill – Brazil Dr. Francisco Sergio Ladeira
09:00	# 3567	Regolith in the sediment routing system: a view from tropical shields Prof. Dominique CHARDON
09:15	# 3847	Tempo of lateritic weathering and erosion of Peninsular India over the Cenozoic: Morphoclimatic implications Dr. Anicet Beauvais
09:30	# 4039	Contrasting styles of supergene phosphorus and rare earth element mineralisation in weathered carbonatites – examples from southern Africa including Glenover, Zandkopsdrift and Karingarab. Mr. Pete Siegfried
09:45	# 3041	African Cenozoic Sedimentary Flux from Modelling of Drainage Networks Mr. Simon Stephenson

Thursday - Session 12

10:30–12:00

T42.12 - Surficial Processes and Landscape Evolution Westin - Prince Edward/Schappen

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 275	Global sediment systems in the Anthropocene Prof. Jasper Knight (KEYNOTE SPEAKER)
11:00	# 466	Landform surface analysis of Schirmacher Oasis, East Antarctica as an indicator of geomorphological evolution Mr. Prakash Kumar Shrivastava
11:15	# 413	Decoding fluvial archives along River Tista at the frontal Himalayan foreland, India Dr. Sreemati Gupta / Dr. Snigdha Ghatak
11:30	# 1764	Geological evolution of parabolic bedforms in great Indian Thar desert Dr. Sudesh Wadhawan
11:45	# 2180	Numerical modelling activation of vegetated parabolic dunes driven by climatic change and anthropogenic disturbance Dr. Na Yan

Thursday - Session 13

14:00–15:30

T42.13 - Evolution of sand seas: past, present...and future? Westin - Prince Edward/Schappen

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 3139	New records of southern hemisphere Quaternary dune system development derived from Accumulation Intensity analysis Prof. David S.G. Thomas (KEYNOTE SPEAKER)
14:30	# 300	Impact of a megacity on the connectivity of a large river system Mrs. Nupur Bawa Chakraborty
14:45	# 2917	Impact of fog and dew induced sand moisture on barchan dune asymmetry, the example from Western Sahara Prof. Joanna Rotnicka
15:00	# 4126	Sand seas and dune fields of Egypt Prof. Olaf Bubenzer
15:15	# 3922	Comparison of cross-bedding in eolian dunes in the Namib Desert and the eolian Stimson sandstone in Gale crater, Mars Dr. David Rubin

Thursday - Session 14

16:00–17:45

T42.14 - Surficial Processes and Landscape Evolution Westin - Prince Edward/Schappen

TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 935	Functional diversity of microbial communities associated with deep-sea hydrothermal deposits Dr. Anna-Louise Reysenbach
16:15	# 20	Genesis of the largest Amazonian wetland in northern Brazil indicated by morphology and gravity anomalies Dr. Dilce Rossetti
16:30	# 66	Redefining the surface Petra –Jordan A Case Study Ms. Catreena Hamarneh
16:45	# 4140	Sedimentology, geochronology and provenance of the “Yangtze Gravels”: Link Yangtze River to Late Cenozoic tectonic and climate in Eastern China Dr. Ping Wang
17:00	# 68	Deep crustal CO ₂ fluxes in Jordan and their various geological manifestations Prof. Nizar Abu-Jaber
17:15	# 604	Widespread and Multiple Cryoturbation Episodes during Marine Isotopic Stage-3 (MIS-3) Terminus: Evidence from Upper Part of Palaeolake Sediments, along Indus River, in Leh and Nyoma Area, Ladakh, India Mr. Sharat Dutta
17:30	# 4830	Assessing the aeolian assumption Mr. Johan Smit

**Thursday - Session 11****08:00–10:00****T43.11 - Rock Deformation and Structural Geology
Westin - Sir Francis Drake**

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 4111	Pseudotachylytes: towards a depth of origin Prof. Uwe Altenberger
08:15	# 874	Microstructural and chemical heterogeneity of pseudotachylytes from Indian craton, and its implications for frictional melting process along seismic faults Prof. Anupam Chattopadhyay
08:30	# 5445	Interpreting continuous-discontinuous deformation structures considering a continuum of fault slip styles: The example of flexural-slip folds Dr. Ake Fagereng (KEYNOTE SPEAKER)
09:00	# 1057	Structural analysis of Jwaneng Mine, Botswana Dr. Ian Basson
09:15	# 1062	Structural analysis of the Steenkampskraal Monazite Deposit, Western Cape, South Africa Dr. Ian Basson
09:30	# 1267	Interactive Structural Analysis of Virtual Geological Outcrops Dr. Michael Roach

Thursday - Session 12**10:30–12:00****T43.12 - Rock Deformation and Structural Geology
Westin - Sir Francis Drake**

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 3552	Structural Development of the Potchefstroom Thrust and Fault System, Witwatersrand Basin, South Africa. Mr. Matt Terracin
10:45	# 2661	The Time that Geology Forget – What Dykes in the Sydney Basin tell us about the Volcanic Evolution of the East Australian Continental Margin Ms. Helen Baxter
11:00	# 4425	A comparative study between magmatic and magnetic fabrics with flow indicators to infer magma flow in sills. Dr. Lauren Hoyer
11:15	# 3460	Interpreting earthquake-triggered mass transport and soft sediment deformation in Lake Lisan, Dead Sea Basin Prof. Shmuel Marco
11:30	# 661	Micro-structural analysis to identify micro-scale deformation mechanisms and their effects on fault sealing capacity: an example from the Lenghu5 thrust-fold belt, Qaidam Basin, NE Tibetan Plateau Dr. Yangwen Pei
11:45	# 660	The architecture of buried reverse fault zone in sedimentary basin: A case from the northwest margin of Junggar Basin, China Dr. Liu Yin

Thursday - Session 13**14:00–15:30****T43.13 - Rock Deformation and Structural Geology
Westin - Sir Francis Drake**

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 1749	Deformation characteristics of iron-ore-bodies in Xinyu iron deposit, Central Jiangxi Province and its implication for ore-prospecting Dr. Zhengle Chen
14:15	# 2218	Pseudo mega ring structure in Waterberg sandstone Ms. Carike Pretorius
14:30	# 2407	Carbon release in Italy through volcanic, tectonic and other styles of degassing: implication for carbon dioxide sequestration and storage Ms. Sabina Bigi
14:45	# 2418	Gas Bearing faults: how do they work? Ms. Sabina Bigi
15:00	# 4060	The brittle evolution of the Critical Zone across South Africa: Implications for sustainable transformation Mr. Taufeeq Dhansay
15:15	# 936	Paleomagnetism of the Permian and the Jurassic rocks of the Velebit Mt. and its implication for tectonic history of the Karst Dinarides (Croatia) Prof. Marek Lewandowski

Thursday - Session 14**16:00–17:45****T43.14 - Rock Deformation and Structural Geology
Westin - Sir Francis Drake**

TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 3669	Intracontinental deformation and reactivation, South Wales Coalfield, UK Dr. Thomas Blenkinsop (KEYNOTE SPEAKER)
16:30	# 3418	Soft-sediments deformation structures of the Niger River right bank alluviums at Bamako, Mali, and their paleoseismic significance Mr. N'dji Dit Jacques Dembele
16:45	# 2981	Crustal deformation characteristics revealed by GPS observations in Guangdong area Dr. Xing Yan
17:00	# 2481	The Trans-European Suture Zone: origin and tectonomagmatic events in late Variscan times Prof. Andrzej Zelazniewicz



Thursday 1 September

17:15	# 459	Geometry and kinematics of Moyar-Bhavani shear zone (central part), Tamil Nadu India: Characterising a Neoproterozoic oblique transpression <i>Mr. Siddhartha Karmakar</i>
17:30	# 349	Structural characterization and its implication of deformation timing of the Daerbute strike slip fault <i>Dr. Kongyou Wu / Dr. Yangwen Pei</i>

Thursday - Session 11 T44.11 - Palaeontology and Palaeo-anthropology Reg Foyer 2

08:00–10:00

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 3019	Evaluating aridity using triple oxygen isotopes in tooth enamel <i>Ms. Sophie B. Lehmann</i>
08:15	# 763	(U-Th)-He dating of CaCO ₃ speleothems: a new perspective for dating fossil-bearing cave deposits <i>Mr. Tebogo Vincent Makhubela</i>
08:30	# 5460	Evidence for former land surfaces on the emergent South Coast shelf, South Africa <i>Dr. Hayley Cawthra</i>
08:45	# 2495	Subtropical precipitation and the evolution of ocean temperature gradients over the last 5 million years <i>Dr. Natalie Burls</i>
09:00	# 1031	Palaeoclimatic implications of summer breeding frog taxa from Langebaanweg at 5.1 Mya at the south-western tip of Africa <i>Dr. Thalassa Matthews</i>
09:15	# 2047	Plio-Pleistocene hominin evolution in the Malawi Rift: Persistent C3 vegetation in heterogeneous wooded savanna ecosystems <i>Mrs. Tina Luedecke</i>
09:30	# 4166	Mio-Pliocene environmental changes in Southern Africa <i>Dr. Loïc Segalen</i>
09:45	# 4599	Assessing the fidelity of fossil marine microvertebrate oxygen isotope signatures and their potential palaeo-ecological and -climatic utility <i>Dr. Milo Barham</i>

Thursday - Session 14 T46.14 - Volcanology - Igneous Petrology and Geochemistry Westin - Seal/Robben

16:00–17:45

TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 3208	Lithospheric Controls on Magma Composition along Earth's Longest Continental Hotspot-track. <i>Dr. R. Davies</i>
16:15	# 430	Crustal Xenolith in Deccan Traps of Saurashtra Region, Gujarat: Their Nature, Chemistry and Evolution <i>Mr. Md Naushad</i>
16:30	# 2594	Multiple episodes of Palaeogene-Neogene felsic volcanism recorded from Andaman Islands, India – correlation with felsic volcanism of SE Asia <i>Mr. Anindya Bhattacharya</i>
16:45	# 360	Growth of intermediate olivine (Fo 49-62) within Mg-rich olivine (Fo 82-90) of basaltic lava of active Barren volcano - an unusual product of terrestrial rock <i>Dr. Tapan Pal</i>
17:00	# 274	A possible volcanic hazard risk of the Gölcük volcano (Isparta), SW Turkey <i>Dr. Nevzat Ozgur</i>
17:15	# 2485	Disequilibrium Petrographic Textures and their Genesis: Evidences from Shield-forming Lavas of Tianchi volcano between China and North Korea <i>Dr. Yongshun liu</i>
17:30	# 1748	Ultra-high precision ⁴⁰ Ar/ ³⁹ Ar geochronology of volcanic rocks, using an ARGUSVI multi-collector mass spectrometer <i>Dr. David Phillips</i>

Thursday - Session 11 T47.11 - Cretaceous time scale and sea-level changes, and Cretaceous Asia-Pacific Ecosystems (IGCP 609, IGCP 608, ICDP Songliao basin) - Part 1 Reg Foyer 1

08:00–10:00

TIME	PAPER #	PAPER TITLE & AUTHOR
08:00	# 2977	Integrated planktonic foraminiferal and calcareous nannofossil biostratigraphy and paleoenvironmental inferences for Turonian sediments from Tanzania <i>Dr. Brian Huber</i>
08:15	# 3785	Middle to Upper Cretaceous High Frequency Cyclic Records on the Arabian Carbonate Platform, SE Turkey; Climatic and Tectonic Controls <i>Dr. Ismail Omer Yilmaz</i>
08:30	# 1234	Depositional environments during OAE1a (Early Aptian) in the Eastern Russian Platform and during OAE1b (Early Albian) in the Middle Caspian: new data <i>Prof. Dr. Svetlana Zorina</i>
08:45	# 4021	Significance of Cretaceous stratal records in Japanese Islands: forearc-trench systems <i>Prof. Hisao Ando</i>
09:00	# 2488	An astrochronological framework for the Tethyan Campanian <i>Mr. Erik Wolfgring</i>



09:30	# 3295	First stratigraphically complete Coniacian-Santonian boundary record from the Ruvuma Basin (southern Tanzania, East Africa): planktonic foraminiferal, geochemical and paleoceanographic patterns Prof. Maria Rose Petrizo
09:45	# 2533	Terrestrial climate and carbon cycle of East Asia in the Late Cretaceous: Records from the Continental Scientific Drilling of the Songliao Basin Prof. Chengshan Wang

Thursday - Session 12**10:30–12:00****T47.12 - Cretaceous time scale and sea-level changes, and Cretaceous Asia-Pacific Ecosystems****(IGCP 609, IGCP 608, ICDP Songliao basin) - Part 2****Reg Foyer 1**

TIME	PAPER #	PAPER TITLE & AUTHOR
10:30	# 1005	Climate-sensitive sediments of the Cretaceous in South China Xianghui Li
10:45	# 4786	Early angiosperms of Siberia Dr. Lina Golovneva
11:00	# 4800	New records of fossil coniferous wood from the Early Cretaceous Jehol Biota in western Liaoning, NE China and palaeoclimate implications Dr. Yongdong Wang
11:15	# 3714	Defining the Lower–Middle Pleistocene Subseries boundary Prof. Martin Head (KEYNOTE SPEAKER)
11:45	# 2451	The Lower-Middle Pleistocene boundary at the Montalbano Jonico section (Southern Italy) Prof. Maria Marino

Thursday - Session 13**14:00–15:30****T47.13 - The Quaternary System: precision and reliability in global correlation****Reg Foyer 1**

TIME	PAPER #	PAPER TITLE & AUTHOR
14:00	# 3423	Authigenic 10Be/9Be ratio signature of the Brunhes/Matuyama transition in the Montalbano Jonico marine succession Quentin Simon
14:15	# 2861	Detailed litho-stratigraphy and sedimentary environment of upper part of Kokumoto Formation with the L – M Pleistocene boundary Dr. Osamu Kazaoka
14:30	# 2856	Defining the Upper Pleistocene Subseries: assessing Antarctic ice cores for a potential global boundary stratotype section and point (GSSP) Prof. Martin Head
14:45	# 4176	Intercomparing the boundaries of the youngest two interglacials: Base MIS1 vs Base MIS5e, Base Holocene vs Base Last Interglacial, Base Middle Holocene vs Base Eemian. Dr. Kim Cohen
15:00	# 3571	OSL-based loess chronologies in West and Central Asia: how precise and reliable? Prof. Manfred Frechen
15:15	# 1699	Characteristics of lower-order unconformity in carbonates and its significance for reservoir development: A Lower-Ordovician unconformity in Tarim Basin, NW China Prof. Taijiang Fan

Thursday - Session 14**16:00–17:45****T47.14 - Stratigraphy, Sequence Stratigraphy and Basin Analyses****Reg Foyer 1**

TIME	PAPER #	PAPER TITLE & AUTHOR
16:00	# 1440	Palaeoenvironmental shifts and sequence analysis of the Early-Middle Devonian Bokkeveld Group in the Clanwilliam Sub-basin of South Africa Mr. Cameron Penn-Clarke
16:15	# 4375	Multi-scale stratigraphic forward modelling of the Surat Basin for geological storage of CO2 Dr. Cedric Griffiths
16:30	# 4971	Using the fluvial-tidal transition zone (FTTZ) in sequence stratigraphic interpretation (Plio-Pleistocene Talparo and Erin Formations, Trinidad) Ms. Annalize McLean
16:45	# 1236	Characteristics of Low-order unconformities and controlling on karst reservoir of Middle-lower Ordovician in SW Tarim Basin, China Dr. Jie Liu
17:00	# 4367	Recent Developments in Stratigraphic Forward Modelling Dr. Cedric Griffiths
17:15	# 2291	Ordovician sea-level changes: one global curve or two semi-global ones? Prof. Andrei Dronov
17:30	# 4384	Sedimentology and high-frequency sequence stratigraphy of Middle-Lower Ordovician Yingshan Formation in the Tahe Oilfield of Tarim Basin, Northwest China Dr. Xiaoqun Yang



Thursday - Posters

T13.P4 - Geosciences for Benefitting Low-income Countries Exhibition

17:45–19:00

PAPER#	PAPER TITLE & AUTHOR
# PB01	A stratiform (Cu-Zn±Pb) massive sulphide and gold deposit in the Kwademen birimian system (Burkina Faso, West Africa). Dr. Hermann Ilboudo
# PB02	Three-Dimensional spatial relations between intrusions and gold bearing ore deposit within the Inata mine pit, Northern Burkina Faso (West Africa) Dr. Hermann Ilboudo
# PB03	Real options to value a mining project under 2 uncertainties a quantitative model for revenue share and mining fiscality Dr. Abdoul Aziz Ndiaye
# PB04	The silver-tin oreformation types field central of Tajikistan Mr. Pirov Dzhomi / Mr. Abdulhaq Fayziev

Thursday - Posters

T14.P4 - Environmental Geosciences Exhibition

17:45–19:00

PAPER#	PAPER TITLE & AUTHOR
# PB05	Methods and Results of the Urban Geological Research in Budapest City and in Hungary Dr. Peter Scharek
# PB06	Integrating Geoheritage into Environmental Impact Assessment in Spain Dr. Enrique Díaz-Martínez
# PB07	Evolution knowledge of Technological Soils (Man-Made-Strata) in Uruguay, South America Prof. Adriana Mezzano
# PB08	Liquefaction-fluidization mechanism in man-made strata on Yodaura along Tone River at the 2011 off the Pacific coast of Tohoku Earthquake Dr. Osamu Kazaoka
# PB09	Ecological Aspects of the Usage of Geothermal Wells Mr. Oleksii Zurian

Thursday - Posters

T17.P4 - Mineral Exploration Exhibition

17:45–19:00

PAPER#	PAPER TITLE & AUTHOR
# PB10	Objects, methods and main results of quantitative estimation of hydrocarbon resource base of the Russian Federation Dr. Maria Kravchenko
# PB11	Information-analytical basis for geological mapping of the ocean floor. Mrs. Natalia Kolchina
# PB12	Geochemical data interpretation techniques and mineral target generation, Northern Limb, Bushveld Complex, South Africa. Mr. Sibongiseni Hlatshwayo
# PB13	Geotemperature filed characteristics of laizhou Bay, Jiaodong Peninsula, China Prof. Fengshan MA
# PB14	Cluster Analysis of Chromites, Lena West Diamond Region, NWT, Canada Dr Raymond Davies
# PB15	Small scale processing economic potential of Malawian carbonate resources for cement production Mr Freeman senzani
# PB16	Geological and economic monitoring of hydrocarbon resources of the Russian Federation using GIS technologies Mrs. Marina Iutina
# PB17	3D Geophysical modelling of the Bethlehem Sub-Basin, Free State, South Africa Ms. Ansuya Naidoo
# PB18	The rare earth elements geochemistry for surface sediments from four transects in the South China Sea and its geological significance Dr. Li Miao
# PB19	The recovery of chrome from spiral tailing dumps. Ms. Duduetsang Tlhabane

Thursday - Posters

T18.P4 - Mineral Deposits and Ore Forming Processes Exhibition

17:45–19:00

PAPER#	PAPER TITLE & AUTHOR
# PB20	Evidence for Milankovic cycles on the Early Earth? A cyclostratigraphic study of Precambrian iron formation Dr. Stefan V. Lalonde
# PB21	Fe (Ti, Cu) mineralizations in NE Poland and S-SE Lithuania: their possible links and implications for regional evolution Dr. Grazina Skridlaite



# PB22	The age, tectonic setting and magmatic stratigraphy of the Waterberg Project, Limpopo Province, South Africa Mr. Florian M Huthmann
# PB23	An approach to the geology and metallogeny of the Precambrian of Western Sahara Mr. Saleh Lehbib Nayem
# PB24	Precious metals in shear zones affecting ultrabasic rocks: examples from Western Sahara Mr. Saleh Lehbib Nayem
# PB25	The Lutshatsha and Nkonko mafic and ultramafic complexes in the Archean Kasai craton (D. R. Congo): Geological setting, petrography and Ni-Cr potential Dr. Francois Toto Lubala
# PB26	New Geochronological, Isotopic and Fluid Inclusion Study Constraints on the Formation of the World-class Bikita LCT Pegmatite Deposit Prof. Thomas Dittrich
# PB27	Timing of the IOCG mineralization in Sin Quyen deposit in North Vietnam Prof. Adam Piestrzynski
# PB28	Origin of the Ediacaran Doushantuo phosphorites in the Yangtze Gorges area, China Prof. Xuelel Chu
# PB29	REE uptake in a hypermineralized fossil whale rostrum: impact of bone histology on postmortem alteration Dr. Sophie Decré
# PB30	Age and depositional environment for the Ediacaran Doushantuo phosphorites at Weng'an, South China: Constraints from Re-Os isotopes Prof. Shao-Yong Jiang
# PB31	The carbon and oxygen isotopes of the Late Neoproterozoic-Early Cambrian Taozichong Formation in Qingzhen City, Guizhou Province, Southwest China: implication for phosphorus formation Dr. Ruidong Yang
# PB32	Study of Sedimentary Feature of Cambrian Phosphorite and Ore-controlling Feature of Old Karst Surface of the Dengying Formation, Zhijin, Guizhou, China Dr. Tie Mao
# PB33	Structural Setting and Geometry of the Leeuwfontein Deposit, Kolomela Mine, South Africa Dr. Ian Basson
# PB34	The significance of trace element composition of Fe-Ti oxides on deciphering the PGE fractionation in layered mafic intrusions: an example from the Dufek Intrusion, Antarctica Mrs. Ricarda Hanemann
# PB35	Trace element chemistry and geochronology of molybdenites from different types of mineralization in the Bohemian Massif: Results from LA-ICPMS and Re-Os study Dr. Jan Pašava
# PB36	REE Compositions of the scheelite and ore-forming material source of lode tungsten deposits in eastern Yanbian, NE China Prof. Yunsheng REN

Thursday - Posters

17:45–19:00

T21.P4 - Unconventional Hydrocarbons and Emerging Fuels Exhibition

PAPER#	PAPER TITLE & AUTHOR
# PB37	Thermal alteration of sedimentary organic matter in response to igneous intrusion (Karoo Basin, South Africa) and its implication for shale gas exploration Prof. Annette E. Goetz
# PB38	Variations in isochore thickness of the Karoo sediments in the Eastern Cape Province of South Africa, as deduced from gravity models Mr. Christopher Baiyegunhi
# PB39	Deep borehole stratigraphy and basin structure of the southern Karoo Basin, South Africa Dr. Bastien Linol
# PB40	Geophysical characterization of the southwestern Karoo Basin using gravity, density and borehole data, South Africa Mr. Zusakhe Nxantsiya
# PB41	Southern Main Karoo Basin: Assessing the Lower Permian shale formations potential for shale gas Mr. Selwyn Adams / Mrs. Zainab Edries
# PB42	Deep stratigraphic borehole for shale gas geo-environmental baseline research in the Karoo Dr. Luc Chevallier
# PB43	3D geology modelling from boreholes, cross-sections and geological maps to support shale gas potential investigations in the Beaufort West area, South Africa Haajierah Mosavel
# PB44	Identification of Potential Reservoir Intervals in Oil-shale Formations based on Geochemical Data Ms. Svetlana Mozhegova
# PB45	Porosity Evolution of Lacustrine Organic-matter-rich Shales in China Dr. Xiufen Zhai
# PB46	Controlling Factors of Pore Types in Shale Reservoirs from the Lower Silurian Longmaxi Formation in Eastern Sichuan Basin, China Mr. Yikai Geng



Thursday 1 September

# PB47	Lithofacies and Sedimentary Micro-facies of Fine-grained Sedimentary Rocks in the Second Member of Kongdian Formation in Cangdong Sag Mr. Yuan Deng
# PB48	Several Issues in Studies on Fine-grained Sedimentary Rocks Mr. Yuan Deng
# PB49	Fracturing fluids additives selection for Polish Sylurian shale - from laboratory research to field application Dr. Piotr Kasza
# PB50	Unconventional potential of the Lower Paleozoic strata in the Lublin-Podlasie Basin (eastern Poland) Dr. Paweł Kosakowski
# PB51	Energized fracturing fluids as an alternative for effective stimulation of shales gas formation Master of Science Klaudia Wilk
# PB52	Lab experiments on the formation artificial flowback from hydraulic fracturing with energized fluid Dr Krzysztof Labus
# PB53	Shale gas formations from the northern Poland – analysis of rock classification Ms. Paulina Krakowska
# PB54	Cryogenic fracture behaviour of Indian Gondwana shale - A laboratory study Mr. Ashutosh Tripathy
# PB55	Pore structure characteristics and controlling factors of mud stone and shale of the 3rd section of Es3 in Zhanhua Sag Mr. Chuanxiang Ning
# PB56	Formation Mechanism of Bedding Fractures in the Lucaogou Formation Tight Reservoir in Jimusar Sag, Junggar Basin Mr. Yunzhao Zhang
# PB57	Tight reservoir of Lucaogou formation in Jimusar sag, Junggar basin Mr. Yunzhao Zhang
# PB58	Analysis of hydraulic flow parameters in shale gas formations from north Poland Ms. Paulina Krakowska
# PB59	Source–Reservoir Assemblage Types and Differential Accumulation Mechanisms in Tight Oil Reservoirs - A case study in Qingxi Sag Dr. Qun Luo
# PB60	Characteristics of the Early Silurian organic-rich black shales in central part of the Baltic Silurian Basin: implications for shale oil(gas) reservoir quality Dr. Grazina Skridlaite
# PB61	KARIN explores the Karoo Basin and its fossil energy resources: New findings and perspectives from deep drill cores Professor Annette E. Goetz
# PB62	Thrust and reverse faulting of Permian black shales (Karoo Basin, South Africa): New insights from borehole KZF-1 Professor Annette E. Goetz
# PB63	Spatiotemporal sedimentary facies variations in the Permian Whitehill Formation, main Karoo Basin Mr. Kenneth Chukwuma
# PB64	Storage Space Characterization and Reservoir Potential of Terrestrial Shale in China Prof. Rukai ZHU
# PB65	Linxi Formation shale gas resources prospect of Late Permian in the middle-southern part of Da Hinggan Mountains in China Mr. Jian Zhang
# PB66	Geochemical, Mineralogical and Pore structure of Shales from Auranga basin, Jharkhand, India Ms. Divya Mishra / Mr. Sanki Biswas
# PB67	A baseline study of groundwater resources and connectivities in anticipation of hydraulic fracturing in the Karoo Mr. Divan Stroebel
# PB68	High-resolution X-ray computed microtomography use in geology – a case study of Baltic Basin unconventional reservoir rocks Dr. Tomasz Wejrzanowski
# PB69	Geological structure and hydrocarbon potential of Late Jurassic sedimentary deposits in the West Siberian Province Mr. Alexander Shpilman
# PB70	Borehole breakout analysis from borehole image logs in the Ulleung Basin, East Sea: preliminary results for interpretation of in situ stress state Dr. Gil Young Kim
# PB71	Petrographic, geochemical and petro-physical analysis of the Collingham Formation near Jansenville, Eastern Cape, South Africa – potential cap rocks to shale gas in the Karoo Ms. Dawn Black

Thursday - Posters
T22.P4 - Energy in a Carbon Constrained World
Exhibition

17:45–19:00

PAPER#	PAPER TITLE & AUTHOR
# PB72	Geothermal potential of Triassic limestones of the Pannonian Basins System: New insights from a deep borehole of Central Hungary Professor Annette E. Goetz
# PB73	Geothermal fluid circulation within a -regional scale- carbonate reservoir. A review of data from Western Sicily, Italy. Dr. Domenico Montanari



# PB74	General Characteristics of Geothermal Resources in Madagascar Dr. Lala Andrianaivo
# PB75	Alteration mineralogy of Karisimbi products from well KW01 through Geothermal Prospect, Nyabihu District, NW-Rwanda Dr. Digne Edmond Rwabuhungu Rwatangabo
# PB76	Experimental Investigation on the Reactivity of Mg-orthopyroxene and Ca-plagioclase under Direct Aqueous Mineral Carbonation – Eastern Bushveld Igneous Complex Case Study. Mr. Zakhele Nkosi

Thursday - Posters**17:45–19:00****T23.P4 - Applied Mineralogy and Geometallurgy Exhibition**

PAPER#	PAPER TITLE & AUTHOR
# PB77	Efficient search for accessory phases and chemical characterisation of major rock forming minerals for petrologic applications by combining Electron Probe Microanalysis and SEM automated mineralogy Dr. Joachim Krause
# PB78	Understanding the progression of leaching in microwave treated particles using X-ray Computed tomography (XCT) analysis Dr. Edson Charikinya
# PB79	By-product recovery of critical elements from ores and concentrates using deep eutectic solvent ionic liquids: BRIO Dr. Gawen Jenkin
# PB80	A Geometallurgical Assessment of the P1 and P2 units of the Platreef at Lonmin's Akanani Project, Northern Limb, Bushveld Complex Ms. Gloria Motloba
# PB81	Quantitative characterisation of low temperature hydrothermal alteration of magmatic Ni-Cu-PGE sulfide ores Zeinab Adeyemi
# PB82	"Hidden" gold Dr. Julie Hunt
# PB83	Mineralogical Characterizations of Low-grade Nickel-Iron Laterites from North Oman: MLA-SEM based automated quantitative mineralogy approach Dr. Salah Al-Khirbash
# PB84	Beneficiation of feldspar-rich pegmatites for the ceramic industry applications Ms. Refilwe Moeletsii
# PB85	A Geometallurgical Study of the Mineralized Footwall Underlying the Brakspruit Facies of Merensky Reef at the Lonmin Karee Pt Mine, Bushveld Complex, South Africa. Mr. Matome Moitsi
# PB86	Mineralogy in process control – Reasons for furnace build-up and metal losses to slag Ms. Wilma Clark

Thursday - Posters**17:45–19:00****T26.P4 - Resourcing Future Generations Exhibition**

PAPER#	PAPER TITLE & AUTHOR
# PB87	The Origin and Formation of the Albitite Marker, Otjikoto Gold Mine, Central Namibia Mr. Lisias Negonga

Thursday - Posters**17:45–19:00****T27.P4 - Gold Mineralizing Systems (jointly sponsored by SEG and SGA) Exhibition**

PAPER#	PAPER TITLE & AUTHOR
# PB88	A comparison of the gold fineness in the Romanian gold deposits Dr. Lucian Petrescu
# PB89	Gold-bearing structure of Greater Altai: geotectonic position and research criteria Professor Boris Dyachkov
# PB90	High Potassium Alkaline Magmatic Rocks of the Central Aldan Ore District (South Yakutia) and Associated Gold and Gold-Uranium Mineralization Dr. Anatoly Molchanov
# PB91	Textures of Sulphides, and Association with Gold Mineralisation in the Beatons Creek Detrital Gold Deposit, Pilbara, Western Australia Mr. Chris Guldbrandsen

Thursday - Posters**17:45–19:00****T28.P4 - Sedimentary Processes - ancient to modern Exhibition**

PAPER#	PAPER TITLE & AUTHOR
# PB92	Sedimentary Patterns and Stratigraphic Trap Models of Deeply Buried Intervals in the Baxian Depression, North China Dr. Shengli Li / Dr. Xinghe Yu
# PB93	The seismic induced large-scale dish structures in the early cretaceous of the Northern Ordos basin Dr. Liangtian Ni



Thursday 1 September

# PB94	Geochemistry and Weathering History of Sandstone from Balfour Formation, Karoo Basin, South Africa: Implications for Provenance and Tectonic Setting Ms. Monica Enifome Oghenekome
# PB95	The evaluation of sand grain shapes using elliptic Fourier and principal component analyses: Discrimination of modern sedimentary environments and application to the geological records Ms. Tomoko Hashimoto
# PB96	Preliminary multi-tool (LA-ICP-MS, EMPA and XRD) investigation on heavy minerals from selected Holocene peat bog deposits from southern Poland Dr. Krzysztof Szopa
# PB97	The features and significance of Aeolian sandstone in the Lower Cretaceous system, Northern Ordos basin, China. Professor Jianhua Zhong
# PB98	Determination of Late Triassic-Early Jurassic basic volcanic rocks of the former Paleo-proterozoic Xiong'er group on the southwestern margin of the North China Craton and its geological significance Prof. Jinhai Luo
# PB99	Provenance of Late Triassic Liuyehe and Lingguanmiao basins in North Qinling and their relationships with the Ordos basin, China: Detrital zircon evidence Dr. Anlin Guo
# PB100	U-Pb dating of Detrital Zircons and Its Geological Significance from Upper Triassic Yanchang Formation in the Southwestern Margin of Ordos Basin Ms. Di Sun / Mr. Zheng Dong
# PB101	Zircon U-Pb dating and implications of the TWL conglomerate deposits in the South margin of the Ordos basin, North China Block Professor Gang Chen
# PB102	A GIS-based circum-Arctic zircon U-Pb age database Dr. Michael Pointon
# PB103	Studying on Paleogene Sedimentary records of the south Depression of Nyima basin in Tibet Mr. Wentian Mi
# PB104	Source rock determination of detrital quartz grains by utilizing the Voigt peak separation of cathodoluminescence spectrum Mr. Masahito Osawa
# PB105	U-Pb, O and Hf isotope study of detrital zircon from lower Palaeozoic sandstones sitting on the Precambrian unconformity of Saudi Arabia Prof. Martin Whitehouse
# PB106	A review of the volcanology and sedimentation of the Mid Permian southern Sydney Basin; with reference to convergence and subduction along the Gondwanan Panthalassic margin Dr. Glen Bann

Thursday - Posters
T30.P4 - A Dynamic Earth
Exhibition

17:45–19:00

PAPER#	PAPER TITLE & AUTHOR
# PB107	The mountains of South Norway and East Greenland reached their present elevation long after Atlantic break-up Dr. Peter Japsen
# PB108	Integrated remote sensing and geological data utilization for geological interpretations of the Gonghe Basin, NW China Dr. Xiaohu Zhou
# PB109	Formation and evolution of the Jurassic prototype Basin in Qaidam block and adjacent areas Prof. FENG Qiao
# PB110	Subduction records of Paleo-Tethys Ocean of Tibetan Plateau: Evidence from High Pressure Metamorphic Rocks of Hongjishan Area, Midwest of Qiangtang Dr. Rukui Lu
# PB111	The COT structure and the rifting-breakup mechanism of the northern continental margin of the South China Sea Dr. Zhen Sun
# PB112	Multiple metamorphic reworking of basement rocks in northeastern Cathaysia block, South China Dr. Lei Zhao
# PB113	The tectonic features of the west Pacific margin and the formation of South China Sea Dr. Xuejie Li
# PB114	Tectonic-magmatic processes of the Indian Ocean: Evidence on the residual mantle Bouguer gravity anomaly Dr. Yanhui Suo
# PB115	Uniformity of Uranium Deposits in Mineralization ages and H-O isotopes, South China: Implications for their Genesis Dr. Chuang Zhang
# PB116	Deformation of the Songshugou ophiolite in the Qinling orogen Dr. Shengsi Sun
# PB117	Paleozoic accretionary orogenesis in the eastern Beishan orogen: Constraints from zircon U–Pb and ⁴⁰ Ar/ ³⁹ Ar geochronology Dr. Songjian Ao / Prof. Wenjiao Xiao
# PB118	Anisotropy of Magnetic Susceptibility, Palaeomagnetism and Rock magnetic studies on the mafic intrusives along Kaddam Fault: Implications to Godavari rift related magmatism Dr. Dhananjay Meshram



# PB119	Characteristics of tectonics and genetic types of bearing-oil-gas basins in South China Sea region Dr. Hailing Liu
# PB120	Multi-chronometric dating of the Foping dome: Implications for the exhumation and deformation of the Qinling Orogen Dr. Zhao Yang
# PB121	Seismic tomography and anisotropy of the Helan-Liupan tectonic belt: Insight into lower crustal flow and seismotectonics Dr. Bin Cheng
# PB122	Geochemical, Ar-Ar geochronological and Sr-Nd isotopic constraints on the origin of Late Mesozoic volcanic rocks from the West Qinling area in China Dr. Feifei Zhang
# PB123	A reconnaissance rock-magnetic and paleomagnetic survey on a 27 m long lacustrine core from Lake Chapala (western Trans-mexican Volcanic Belt. (CHAPHOLO Project, Conacyt grant 168685). Dr. Pedro F Zarate-Del Valle
# PB124	Structural studies and their implications for Palaeoproterozoic collision along Bhavani shear zone, southern India Dr. Mathew Joseph
# PB125	Occurrence of an Outlier of Lower Gondwana sandstone in the Bela- Mangruda area, Adilabad district, Telangana State, India Mr. Barman D
# PB126	The reconstruction of Ellsworth-Whitmore Terrane and Malvinas (Falkland) Islands: new approach using stratigraphic and geochronological data Mr. Mateus Rodrigues de Vargas
# PB127	Dividing South America into continental blocks and applying it to West Gondwana re-assemble. Ms. Pamela C Richetti
# PB128	Volcaniclastic-epiclastic rocks related to the Paraná continental flood volcanism: the Early Cretaceous Volta Alegre Formation, Jacuí Basin, southern Brazil Prof. Claudio Riccomini
# PB129	Seismic structure of the southern part of Madagascar determined by waveform inversion Dr. Andriamiranto Raveloson
# PB130	Early Paleozoic magmatic rocks in the north-central Tibetan Plateau, China: an Andean-type arc magmatism along the Gondwana margin Dr. Peiyuan Hu
# PB131	The Statherian El Renegado Granite Nappe (Nico Pérez Terrane, Uruguay), and its tectonic emplacement in the latest Ediacaran-Early Cambrian Dr. Claudio Gaucher
# PB132	The 'East' Margin of Neoproterozoic India: New Provenance, Geochemical and Age Constraints from Meghalaya, NE India Prof. Alan Collins
# PB133	Tatric and Veporic crystalline basement of the Western Carpathians (Slovakia): origin, primary position and translation to the Alpine orogenic belt Dr. Vladimír Bezák
# PB134	Las Matras pluton, Cuyania terrane, Argentina: is it truly Mesoproterozoic, or is it Early Permian derived from Mesoproterozoic ? Dr. Carlos Jorge Chernicoff

Thursday - Posters T31.P4 - The Deep Earth Exhibition

17:45–19:00

PAPER#	PAPER TITLE & AUTHOR
# PB135	SAPHYR: the Swiss Atlas of Physical properties of Rocks Dr. Alba Zappone
# PB136	Numerical Modelling of Subduction Zones: a New Beginning Ms. Eleonora Ficini
# PB137	Metasomatized spinel peridotite xenoliths from the Quaternary intraplate alkali basalt, Jeju Island, South Korea Dr. Kyounghee Yang
# PB138	Geodynamic model of development and the tectonic structure of Kazakhstan from the standpoint plume tectonics Prof. Adilkhan Baibatsha
# PB139	Integration of geophysical methods in creating models of the Earth's crust and upper mantle (case study of the Geotransect "Central Asian Fold Belt–South of the Siberian Craton–Verkhoyansk-Kolyma Fold Area") Dr. Evgenia Milshtein
# PB140	Earth's Crust and Upper Mantle Density Models of North-East Russia on the Basis of Offshore Wide-angle Seismics Dr. Evgenia Milshtein
# PB141	Earth's Crust and Upper Mantle Density Model of the Offshore-Onshore Geotransect "East Siberian Sea - Chukchi-Kolyma Region - Okhotsk Sea Dr. Evgenia Milshtein
# PB142	Three dimensional velocity and Poisson's ratio structure beneath Eastern-Central China and implication for deep geodynamics Prof. Guibin Zhang / Dr. Guoming Jiang
# PB143	Geochronology and tectonic evolution of the west section of the Jiangnan Orogenic Belt in South China Dr. Heng Zhang



# PB144	Thermal conductivity determinations on granitoids from central India: A comparison between measured and calculated thermal conductivity Ms. NISHU CHOPRA
# PB145	Estimation of Co-seismic gravity change for the earthquake in Koyna-Warna region Mr. Roshan Kumar Singh
# PB146	The Deep Processes and Magmatism of China's Peri-Pacific Mr. Tingdong Li
# PB147	The Deep Processes and Magmatism of China's Peri-Pacific Prof. Tingdong Li
# PB148	The Identification of Magnetic Stripes: Corrected Age of Seafloor Spreading in the South China Sea Basin Prof. Xiaohong Meng
# PB149	The oxidation state of the sub-arc lithospheric mantle: New data and models Dr. Alan Woodland
# PB150	Redox reactions caused by exsolution: A potential factor influencing mantle redox state and diamond formation Dr. Alexander Proyer
# PB151	Further on China lithospheric tectonic units Professor Tingdong Li

Thursday - Posters

17:45–19:00

T32.P4 - The Hadean and Archaean Earth Exhibition

PAPER #	PAPER TITLE & AUTHOR
# PB152	The Archaean crustal evolution of the Bundelkhand Craton, northern India: Constraints from zircon U-Pb-Hf isotope data and whole-rock geochemistry of granitoids Dr. Parampreet Kaur
# PB153	TTG and potassic granitoids in the eastern North China Craton: Making a Neoproterozoic upper continental crust during micro-continental collision and post-collisional extension Mr. Chao Wang
# PB154	Continental Arc Volcanism in the Late Archaean: Evidences from a greenstone belt, Western Dharwar Craton, South India Mr. Sujit Kumar Tripathy
# PB155	The geological significance of the rediscovered fuchsite quartzite with abundant Eoarchean detrital zircons in eastern Hebei Province, China Mr. Hang Chu
# PB156	Neoproterozoic subduction recorded in the northern margin of the Yangtze Craton, South China Dr. Shao-Bing Zhang / Dr. Yong-Fei Zheng
# PB157	Archean to Paleoproterozoic crustal evolution of Ordos block basement, North China Craton: evidence from detrital zircon U–Pb age and Hf-isotopes of Mesoproterozoic sandstones Prof. Chengli Zhang
# PB158	Crustal growth and UHT metamorphism during Precambrian collision orogeny: results of petrothermomechanical modeling Prof. Alexey Perchuk
# PB159	Igneous protoliths of the Uivak gneiss, Saglek block, northern Labrador Dr. hab. Monika A. Kusiak
# PB160	Zircon Hf isotope and its tectonic implications on crustal growth and evolution of the Western Block, North China Craton Ms. Xiaolan He
# PB161	Hydrous conditions in the Archean as evidenced from primary magmatic amphibole in meta-pyroxenite from the high-grade metamorphic Central Zone, Limpopo Complex, Southern Africa Mr. Mpho Keeditse
# PB162	Structural geology and geochronology of Archaean rocks in the Tonota area, NE Botswana Prof. Stephen McCourt
# PB163	A comparative study of chromian spinels in Archean serpentinized ultramafic rocks from the Limpopo Complex and Barberton greenstone belt, southern Africa Dr. Kazuyasu Shindo
# PB164	Source heterogeneity for the 2.3–2.2 Ga Yuanjiaocun banded iron formation in China: Implications for the Nd cycle in Earth's early oceans Dr. Changle Wang
# PB165	Cr stable isotopic signatures of 2.32 to 2.9 Ga old marine chemical sediments Ms. GüLüm Albut
# PB166	Sedimentology, Stratigraphy and Depositional Environments of the 3.2 Ga Mapepe Formation in the BARB5 drill core, Barberton Greenstone Belt, South Africa Ms. Nadjia Drabon
# PB167	Deformation history of the Qianlishan Complex: Implications for the tectonic evolution of the Khondalite Belt in the North China Craton Mr. Hengzhong Qiao
# PB168	Magnetotelluric study of the Neoproterozoic shear zone of 4°50' Mr. Aboubakr Deramchi



Thursday - Posters

17:45–19:00

T33.P4 - The Proterozoic Earth Exhibition

PAPER#	PAPER TITLE & AUTHOR
# PB169	Radiometric signatures of Impact structures: application to impact crater studies in West Africa Dr. David Baratoux
# PB170	Tectonic evolution of the Gaoua region, Burkina Faso: Implications for Mineralization Dr. Lenka Baratoux
# PB171	New U-Pb ages and geochemical characteristics of the Proterozoic doleritic dyke swarms from the Leo-Man craton Dr. Lenka Baratoux
# PB172	Multi-dimensional resistivity modelling of the lithospheric structure of the Baoulé-Mossi domain in West Africa Prof. Alan Jones
# PB173	Meso- and Neoproterozoic thermotectonic evolution of south-western Baltica: Insights from P/T studies, U-Pb zircon geochronology and 40Ar/39Ar thermochronology Dr. Jan Ulmius
# PB174	Structural analysis of the Riemvasmaak Mega Sheath Fold (RKMS) situated in the Gröna Terrane of the Namaqua-Mobile Belt Mr. Marthinus Mathee
# PB175	Structural and tectonic evolution of the Buffels River Shear Zone, western Namaqua Sector, Namaqua-Natal Metamorphic Province, South Africa: preliminary studies. Ms. Yasmeen Abrahams

Thursday - Posters

17:45–19:00

T38.P4 - Metamorphic Processes Exhibition

PAPER#	PAPER TITLE & AUTHOR
# PB176	SIMS S isotope pyrite of Tianshan HPM rocks and their vein in China: implication for sulfur evolution Prof. Wen Su
# PB177	From micro to macro: Microsampling Lu–Hf garnet geochronology Dr. Hao Cheng
# PB178	Geochemical behaviour of Zr around a metasomatic vein and possible brine infiltration under upper amphibolite facies conditions Ms. Fumiko Higashino
# PB179	Distribution of trace elements in garnet from cold subduction setting – tracing reaction history Ms. Hana Ditterova
# PB180	Petrology and petrofabric of the metasediments of the West Daran metamorphic complex Ms. Saeideh Sanieinezhad

Thursday - Posters

17:45–19:00

T4.P4 - Climate Change Studies Exhibition

PAPER#	PAPER TITLE & AUTHOR
# PB181	Comparative Impact of Solar Insolation and the Indo-Pacific Warm Pool Temperature on the East Asia Summer Monsoon During the MIS-13 Interglacial Dr. Umesh Kumar Singh
# PB182	Modern Facies Change: Replacement of Corals By Crustose Coralline Algae and Rhodoids in Reefs Near La Parguera and Isla de Mona, Puerto Rico Ms. Karin Abrahamsson
# PB183	Paleoclimatology study in Kanibarazan Wetland (south of Lake Urmia) Ms. Bita Mirzapour

Thursday - Posters

17:45–19:00

T40.P4 - Marine Geosciences and Oceanography Exhibition

PAPER#	PAPER TITLE & AUTHOR
# PB184	Holocene paleoclimate change in the Nakdong River delta (southeastern Korea) and role of Tsushima Warm Current Dr. Boo-Keun Khim
# PB185	Buried cold-water coral mounds in the Atlantic Moroccan Coral Province Mr. Thomas Vantorpe
# PB186	Unconformities aid the stratigraphic division of strata in a formerly glaciated semi-enclosed basin: the Baltic Sea prototype Dr. Joonas Virtasalo
# PB187	The Late Quaternary evolution of the southern Brazilian coast: insights from seismic stratigraphy and diatom records Dr. Jair Weschenfelder
# PB188	Marine geological data as a basis for sustainable growth, an example from the Gulf of Bothnia, Finland Anu M. Kaskela



# PB189	About geomagnetic field over the Ninetyeast Ridge, Indian Ocean Dr. Oleg Levchenko
# PB190	The South-Eastern Baltic Sea floor mapping Mr. Dmitriy Dorokhov
# PB191	Subaqueous landscapes – discovering the invisible using a multibeam echosounder (examples from the Southern Baltic) Dr. Kazimierz Szeffler
# PB192	Bioavailable Fe Distribution in the Southern Atlantic Ocean on Glacial-Interglacial Timescales Mrs. Bridget Lee
# PB193	Sediment provenance on the northwestern shelf of South China Sea and the sedimentary model for heavy-mineral placers Prof. Wen Yan

Thursday - Posters

T41.P4 - Arctic and Antarctic Geoscience Exhibition

17:45–19:00

PAPER#	PAPER TITLE & AUTHOR
# PB194	Timing of exhumation and deformation across the Taimyr fold and thrust belt from apatite fission track dating and balanced cross-sections Dr. Victoria Pease
# PB195	Fossil ivory deposits in the Arctic relic permafrost as an alternative to the elephant Ms Maria Zhurilova
# PB196	Heavy mineral analysis of sandstones from reservoir and source rock units of Prudhoe Bay oil field, Northern Alaska. Prof. Victoria Pease
# PB197	Supraregional correlation across the western Arctic Ocean - Towards an improved Quaternary stratigraphy and its paleoenvironmental implications Dr. Seung-Il Nam
# PB198	Geochemical map of the Russian polar sector of the Arctic region Dr. Alexander Kremenetskiy
# PB199	The sources of magmatic rocks matter of the Arctic Ocean and the Central Atlantic Ocean from isotopic geochemical data Dr. Alexander Kremenetskiy
# PB200	Geological problems of Novaya Zemlya (west of the Russian Arctic) Dr. Evgeny Korago
# PB201	Tectonic Map of the Ellesmerian and Eureka Deformation belts on Svalbard, North Greenland and the Queen Elizabeth Islands (Canadian Arctic) Dr. Karsten Piepjohn
# PB201A	Post-collisional granitoids and mid-Cretaceous (117-106 Ma) extension in tectonic evolution of Chukotka Mesozooids, Northeast Russia Mrs. Marina Luchitskaya

Thursday - Posters

T42.P4 - Surficial Processes and Landscape Evolution Exhibition

17:45–19:00

PAPER#	PAPER TITLE & AUTHOR
# PB202	The real process of river capture in mountainous regions Prof. Jiagui Zhang
# PB203	Erg Chebbi, SE Morocco: Morphometry, granulometry, and groundwater recharge Prof. Olaf Bubenzner
# PB204	Monazite characterization in a carbonatite weathering profile – a new tool for landscape geochronology Mr. Loic Le Bras
# PB205	Mineralogical and d18O-dD isotopic study of kaolinized micaschists at Penestin, Armorican Massif, France: New constraint in the kaolinization process Mrs. Veronique Ansan
# PB206	Mobility and fractionation of Zr-Hf, Nd-Ta and Y-Ho due to extreme and overprinting weathering events Dr. Ignacio Gonzalez-Alvarez
# PB207	Exceptional alteration of cassiterite, rutile, zircon, xenotime and monazite during weathering of VHMS mineralisation Dr. Ravi Anand
# PB208	Chromium isotope fractionation during extreme basalt weathering Dr. Michael Babechuk
# PB209	Petrology and litho-geochemical characteristics of Basement rocks of Southwestern Nigeria: implications for weathering induced metal release and redistributions in soils. Dr. Saheed Oke
# PB210	Geochemical evolution of polygenic ferricrete-capped landscapes: Example from the Poura region, Burkina Faso Prof. Ousmane Bamba
# PB211	10Be data on erosional surfaces in the Mayombe massif (SW Congo) Dr. Denis Thiéblemont
# PB212	Regolith and landscape evolution in Peninsular India and West Africa: Morphoclimatic evolution of the two continents over the Cenozoic Dr. Anicet Beauvais



Thursday - Posters

17:45–19:00

T43.P4 - Rock Deformation and Structural Geology Exhibition

PAPER#	PAPER TITLE & AUTHOR
# PB213	Structural Mapping and Identification of Hydrothermal Alteration Zones Through SRTM and ASTER Images in Macossa, Mozambique Mr. Manuel Nopeia
# PB214	En-echelon quartz vein arrays in a progressive dextral transpressional system, Storms River, Eastern Cape, South Africa Dr. Matthew Brayshaw
# PB215	Origin of Pseudotachylyte: A case study from the fault zone between the Mangalwar and Sand Mata plutons, central Rajasthan, India Dr. Gautam Deb
# PB216	Geological Mapping, Structural Setting and Petrographic Description Of The Archean Volcanic Rocks Of Mnanka Area, North Mara, Tanzania. Mr. Ezra Kavana
# PB217	The difference of fracture density and fluid flow characteristics between footwall and hanging wall of a high angle fault Mr. Taehyung Kim
# PB218	Hydraulic fracturing for plaster under brittle-ductile transition condition Dr. Akihisa Kizaki
# PB219	The metamorphic basement from the Santander Massif (Colombian Eastern Cordillera): a new stratigraphic framework Dr. Luis Carlos Mantilla Figueroa / Dr. Carlos Alberto García Ramirez / Dr. Víctor Valencia
# PB220	A Comparison Between Modeling and Field Observations of Off-Fault Strain around Pseudotachylyte Fault Veins, Norumbega Shear Zone, southern Maine Ms. Catherine Ross
# PB221	The effects of tectonic and stratigraphic inherited discontinuities on fault development and their surface evidences through analogue models Prof. Silvio Seno
# PB222	Age of folding and relationships of Pai-Hoi–Novaya Zemlya and Urals orogenic belts. Dr. Mikhail Shishkin
# PB223	Phyllosilicate occurrence along extensional faults in carbonate rocks and implications for seismic rupture propagation: case studies from the central Apennines, Italy Dr. Luca Smeraglia
# PB224	Geophysical Evidence on the Origin of the Caldas Novas Dome Dr. Detlef Walde
# PB225	Another look at geological structures of part of the Nangodi belt, northeastern Ghana: an integrated structural and geophysical approach Ms. Elikplim Dzikunoo
# PB226	Series of China's metallogenic geological setting maps Mrs. Yanfang Feng
# PB227	The elusive Rayton Formation in the Khayakhulu area; western Transvaal basin of the North West Province, South Africa Ms. Refilwe Shelembe

Thursday - Posters

17:45–19:00

T7.P4 - Geoscience Data and Information Systems Exhibition

PAPER#	PAPER TITLE & AUTHOR
# PB228	Remote sensing and airborne geophysics for geological mapping of the Tefedest terrane (Central Hoggar, Algeria). Prof. Safouane Djemai
# PB229	Multispectral Landsat 7 ETM+ enhancement images and airborne geophysics data processing for geological mapping of the Ahnet terrane (Western Hoggar, Algeria). Prof. Safouane Djemai
# PB230	Crustal Seismic Anisotropy of North-West Himalaya Ms. Avanie Jain
# PB231	New computer technology for geological problems solving Mrs. Evgenia Cheremisina
# PB232	Interactive 3D potential field modelling and visualization of complex geological structures Dr. Hans-Juergen Goetze
# PB233	WebGIS-based Geoinformation Sharing System for East and Southeast Asia Dr. Joel Bandibas
# PB234	Strategy for the construction of KIGAM geoscience data repository system Dr. JongGyu Han
# PB235	A mobile app for geological/geochemical field data acquisition Dr. Nathan Reid
# PB236	The Continued Evolution of the Open Source PYGMI Project Mr. Patrick Cole



Thursday 1 September

Thursday - Posters T8.P4 - Geohazards Exhibition

17:45–19:00

PAPER#	PAPER TITLE & AUTHOR
# PB237	Land degradation mapping along the Eastern Cape Wild Coast using Landsat 8 surface reflectance data Mrs Rebekah Singh
# PB238	Physico-chemical characterization of asbestos dust samples Khutadzo Masindi
# PB239	Aggradational and Erosional records of Cloud Burst: An example from 2010 Leh Cloud Burst, Ladakh Himalaya, India Dr. Dhananjay Meshram
# PB240	Mantle flow under the Seismogenic Zone of the Eastern Carpathians? Evidences from complementary geophysical and satellite investigations Prof. Victor Mocanu
# PB241	Observations on Intraplate Seismicity in Central Fennoscandia Dr. Annakaisa Korja
# PB242	Geomorphologic evaluation and valoration of geological hazards in the Quebrada valley and Dique Los Sauces-La Rioja, Argentina Dr. Adriana Edih Niz
# PB243	The first world Catalog of Earthquake-Rotated Objects (EROs): outline, statistical analyses, outlook Dr. Luigi Cucci
# PB244	Characteristics of band-limited ambient seismic noise in South Korea Prof. Ki Young Kim
# PB245	A comparative study of the geochemistry of two tropical west flowing rivers, southwest coast of India Ms. Vidhya Marina
# PB246	Integrated static and dynamic stress modeling for investigating tremor source regions in the san andreas fault Ms. Sandra Hardy

Thursday - Posters T9.P4 - Proximal and Remote Sensing Technologies Exhibition

17:45–19:00

PAPER#	PAPER TITLE & AUTHOR
# PB247	Assessment the activity of deep-seated landslide by using TCP-InSAR interferometry from ALOS/PALSAR images Dr. Rou-Fei CHEN
# PB248	Surface deformation monitoring by Insar techniques. Case study of the region of In Salah, Algeria. Prof. Mohammed Abed
# PB249	Application of remote sensing in surveying for REE-rich carbonatites in Tamil Nadu (Southern India) Mr Petr Mixa
# PB250	Spectral analysis of fresh and weathered rocks overlying the Alborz hydrocarbon trap, Qom area, Iran: remote sensing implications Mr. Saeid Asadzadeh
# PB251	Fully polarimetric ALOS PALSAR data to aid geological mapping in densely vegetated areas Dr. Jeanine Engelbrecht
# PB252	Recent Surface Deformation in western Himalaya: Uttarakhand state of India Prof. Chung-Pai Chang
# PB253	Use of RADARSAT-2 and ALOS-PALSAR images for organic terrain mapping in New Brunswick Dr. Armand LaRocque
# PB254	Longwall mining and surface deformation – lessons learned from dInSAR measurements Dr. Jeanine Engelbrecht

Movie Night - Thursday HALL 4B 1

18:00–20:37

#	TIME	TITLE & DESCRIPTION	RUNNING TIME
1	18:00 - 18:44	DEM BONES, DEM BONES, DEM STONE BONES A comprehensive and highly engaging journey through the fossil-rich Karoo Supergroup hosted by legend Prof James Kitching and colleagues, revealing the mammal-like reptiles, the geological evolution of the Karoo basin. This is an older but quality and informative video, likely not to be viewed anywhere else. Not to be missed!	0:44
2	18:44 - 20:37	DAWN OF HUMANITY NOVA and National Geographic present exclusive access to a unique discovery of ancient remains including <i>Australopithecus sediba</i> and <i>Homo naledi</i> . Located in an almost inaccessible chamber deep in a South African cave, the site required recruiting a special team of experts slender enough to wriggle down a vertical, pitch-dark, seven-inch-wide passage. Most fossil discoveries of human relatives consist of just a handful of bones. But down in this hidden chamber, the team uncovered an unprecedented trove—so far, over 1,500 bones—with the potential to rewrite the story of our origins. They may help fill in a crucial gap in the fossil record and tell us how Homo, the first member of the human family, emerged from ape-like ancestors like the famous Lucy. But how did hundreds of bones end up in the remote chamber? The experts are considering every mind-boggling possibility. Join NOVA on the treacherous descent into this cave of spectacular and enigmatic finds, and discover their startling implications for the saga of what made us human.	1:53



◆ 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

This image shows a full page of blank, white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. In the bottom right corner, there is a small, stylized red logo or watermark that appears to be a combination of letters, possibly 'H' and 'S', intertwined.

