



T31.10 - The Deep Earth	Date	Wednesday, 31 August 2016	Time	16:00	to	17:45
	Chair		Room	Hall 4B3		

Т	imes	Paper # Title	Speaker
16:00	16:15	2746 International Continental Scientific Drilling Program: Accomplishments, developments, strategies	Dr. Uli Harms
16:15	16:30	4371 Development, properties and drilling test of high performance Φ147mm aluminum alloy drill pipe	Dr. Baochang Liu
16:30	16:45	992 In-depth research of geology is inseparable from the support of advanced drilling technology	Prof. Zhang Xiaoxi Associate Professor Hui Zhang
16:45	17:00	4347 Scientific drilling project of MK-2 well for gas hydrate exploration in Mohe basin of China	Dr. Rui Jia
17:00	17:15	2034 Mylonitic roots of the Scandinavian Caledonides revealed by deep drilling	Dr. Uli Harms
17:15	17:30	3775 Online Monitoring of Drilling Mud Gas in ICDP and IODP scientific drilling projects	Dr. Thomas Wiersberg
17:30	17:45	4254 The Colorado Plateau coring project (CPCP): exportable chronostratigraphic context for Triassic-Jurassic Earth System Events and Processes	Dr. Paul Olsen

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Times	Paper # Title	Speaker
	4325 Study of ultrasonic vibration mechanism of rock fragmentation	Dr. Zihang Sun
	4344 Development and experiments of hole-bottom freezing drilling tool for gas-hydrate-bearing sediments sampling	Dr. Wang Yuan
	4023 Nano Oxide Particles Modified Drilling Fluid for Deep, Complicated Drilling Conditions	Dr. Baochang Liu
	4323 Research on elevated temperature resistant aluminum alloy drilling pipe for deep and ultra-deep wells	Dr. Shaoming Ma
	4167 Simulation of Auto-drilling System of The Crust-1 Continental Scientific Drilling Rig	Youhong Sun Yan Zhao
	296 AEROMAGNETIC AND GRAVITY STUDIES FOR EVOLUTION OF DEEP CRUSTAL CONFIGURATION OF SAURASHTRA-CAMBAY BASIN-DECCAN LARGE IGNEOUS PROVINCE, INDIA.	Dr. Somanchi Srinivas
	4471 Design and Preliminary Field Experiment of Oil Shale Borehole Hydraulic Mining Tool with Expandable Nozzle	Dr. Shuai Gao
	4464 Numerical study on lag time correction of cuttings in Songliao Basin Drilling Project	Mr. Haidong Wu

T31.11 - The Deep Earth	Date Thu	ursday, 01 September 2016	Time	08:00	to	10:00
	Chair		Room	Hall 4B3		

	Times	Paper #	Title	Speaker
08:00	08:15	3866	New tectonic and Metallogenic Maps of North, Central, East Asia and Adjacent Areas	Dr. Gennadiy Babin
08:15	08:30	2738	Enhancement on deep structure by constraint inversion with gravity seismic and borehole data sets	Dr. Ping Yu
08:30	08:45	2212	Cratons forged by large igneous provinces: Evidence from the Siberian and Yangtze Cratons	Prof. Qin Wang
08:45	09:00	2433	Measuring Pb in Mantle Sulfides Using In-Situ Techniques	Dr. Megan D'Errico
09:00	09:15	505	REE enriched Carbonatite from Kamthai area, Barmer district, Rajasthan, India: imprints of a δ 34S depleted mantle source.	Mr. Subhasish Ghosh
09:15	09:30	111	Planar deformation bands in zircon: a new evidence of seismicity	Dr. Elizaveta Kovaleva
09:30	09:45	3699	Oxidation state of the lithospheric mantle beneath the Massif Central, France: the message from clinopyroxene	Dr. Alan Woodland
09:45	10:00	4617	A new generation 3D density model of the lithosphere and upper mantle of Asia and surroundings	Dr. Mikhail Kaban
09:45	10:00	4617	A new generation 3D density model of the lithosphere and upper mantle of Asia and surroundings	Dr. Mikhail Kaban

T31.12 - The Deep Earth	Date	Thursday, 01 September 2016	Time	10:30	to	12:00
	Chair		Room	Hall 4B3		

10:30 10:45 4285 Global Seismic Lithosphere-Asthenosphere-Boundary Measurements from Full Waveform Tomography Dr. Huaiyu Yuan 10:45 11:00 4893 Imaging the lithosphere-asthenosphere boundary beneath continents using mineral physics and surface Prof. Alan Jones 11:00 11:15 5009 Interaction of melt and deformation at the lithosphere-asthenosphere boundary Dr. Mary-Alix Kaczmarek 11:15 11:30 4275 Lithospheric thickness beneath the East African Rift System: results from surface wave tomography Dr. Stewart Fishwick 11:30 11:45 5343 The Stability of Tibetan Continental Mantle Lithosphere Prof. Gregory Houseman 11:45 12:00 3210 Do Mantle Plumes Preserve the Heterogeneous Structure of their Deep Mantle Source? Dr. Rhodri Davies	T	imes	Paper # Title	Speaker
observational constraints 11:00 11:15 5009 Interaction of melt and deformation at the lithosphere-asthenosphere boundary 11:15 11:30 4275 Lithospheric thickness beneath the East African Rift System: results from surface wave tomography 11:30 11:45 5343 The Stability of Tibetan Continental Mantle Lithosphere Prof. Gregory Houseman	10:30	10:45	4285 Global Seismic Lithosphere-Asthenosphere-Boundary Measurements from Full Waveform Tomography	Dr. Huaiyu Yuan
11:15 11:30 4275 Lithospheric thickness beneath the East African Rift System: results from surface wave tomography 11:30 11:45 5343 The Stability of Tibetan Continental Mantle Lithosphere Prof. Gregory Houseman	10:45	11:00		Prof. Alan Jones
11:30 11:45 5343 The Stability of Tibetan Continental Mantle Lithosphere Prof. Gregory Houseman	11:00	11:15	5009 Interaction of melt and deformation at the lithosphere-asthenosphere boundary	Dr. Mary-Alix Kaczmarek
	11:15	11:30	4275 Lithospheric thickness beneath the East African Rift System: results from surface wave tomography	Dr. Stewart Fishwick
11:45 12:00 3210 Do Mantle Plumes Preserve the Heterogeneous Structure of their Deep Mantle Source? Dr. Rhodri Davies	11:30	11:45	5343 The Stability of Tibetan Continental Mantle Lithosphere	Prof. Gregory Houseman
	11:45	12:00	3210 Do Mantle Plumes Preserve the Heterogeneous Structure of their Deep Mantle Source?	Dr. Rhodri Davies

T31.13 - The Deep Earth	Date	Thursday, 01 September 2016	Time	14:00	to	15:30
	Chair		Room	Hall 4B3		

•	Times	Paper # Title	Speaker
14:00	14:15	2104 The geology and petrochemistry of the pre-Middle Jurassic Pontic Ophiolites, central-northern Turkey	Dr. Ender Sarifakioglu
14:15	14:30	4334 Geological processes and mineralization of the continental margin in the Western Pacific Ocean	Mr. Tingdong Li
14:30	14:45	2951 Relationship of important geological events and Large-scale Mineralization: evidences from the China & Adjacent Areas	Dr. Qiu Ruizhao
14:45	15:00	5117 Academic "Treasure" from Industry "Trash"- Unconventional Imaging with Large N Seismic Exploration Datasets.	Prof. Larry Brown
15:00	15:15	1790 Metamorphic zones and constraining on timing of the major metamorphism event in the Qinling Complex, western Henan Province	Dr. Liudong Ren
15:15	15:30	5130 Deep Seismic Reflections and Mineral Deposits	Prof. Larry Brown

T31.14 - The Deep Earth	Date	Thursday, 01 September 2016	Time	16:00	to	17:45
	Chair		Room	Hall 4B3		

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

Paper #	Title	Speaker
4242	The Deep Processes and Magmatism of China's Peri-Pacific	Prof. Tingdong Li
2854	Redox reactions caused by exsolution: A potential factor influencing mantle redox state and diamond formation	Dr. Alexander Proyer
1178	SAPHYR: the Swiss Atlas of Physical properties of Rocks	Dr. Alba Zappone
740	Further on China lithospheric tectonic units	Professor Tingdong Li
4244	The Deep Processes and Magmatism of China's Peri-Pacific	Mr. Tingdong Li
1975	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
1617	Geodynamic model of development and the tectonic structure of Kazakhstan from the standpoint plume tectonics	Prof. Adilkhan Baibatsha
3192	Earth's Crust and Upper Mantle Density Models of North-East Russia on the Basis of Offshore Wide-angle Seismics	Dr. Evgenia Milshtein
4313	Geochronology and tectonic evolution of the west section of the Jiangnan Orogenic Belt in South China	Dr. Heng Zhang
3923	The oxidation state of the sub-arc lithospheric mantle: New data and models	Dr. Alan Woodland
3613	Thermal conductivity determinations on granitoids from central India: A comparison between measured and calculated thermal conductivity	Ms. NISHU CHOPRA
2184	Three dimensional velocity and Poisson's ratio structure beneath Eastern-Central China and implication for deep geodynamics	Prof. Guibin Zhang Dr. Guoming Jiang
3268	Estimation of Co-seismic gravity change for the earthquake in Koyna-Warna region	Mr. Roshan Kumar Singh
1379	Numerical Modelling of Subduction Zones: a New Beginning	Ms. Eleonora Ficini
3258	Earth's Crust and Upper Mantle Density Model of the Offshore-Onshore Geotransect "East Siberian Sea – Chukchi-Kolyma Region – Okhotsk Sea"	Dr. Evgenia Milshtein
938	Metasomatized spinel peridotite xenoliths from the Quaternary intraplate alkali basalt, Jeju Island, South Korea	Dr. Kyounghee Yang
1903	The Identification of Magnetic Stripes: Corrected Age of Seafloor Spreading in the South China Sea Basin	Prof. Xiaohong Meng

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T31.15 - The Deep Earth	Date Friday, 02 September 2016	Time 08:00	to 10:00
	Chair	Room Hall 4B3	

Ti	imes	Paper #	Title	Speaker
08:00	08:15	2434	Western Yarlung Zangbo Ophiolites in South Tibet Formed in Forearc Setting: Evidence from Structure, Geochronology and Geochemistry	Mr. Fei Liu
08:15	08:30	2173	Diamond-bearing Ophiolites and Their Geological Occurrence	Prof. Jingsui Yang
08:30	08:45	3912	Multi-stage process of the Bulqiza chromitites, Eastern Ophiolitic Belt, Albania	Dr. Fahui Xiong
08:45	09:00	3269	Ophiolite-hosted Type Ib microdiamonds: spectroscopic evidence for their natural origin	Dr. Karen Smit
09:00	09:15	3266	Preservation of C centres in lb diamonds due to rapid tectonic exhumation following Gondwana assembly: Re-Os age constraints of West African diamonds	Dr. Karen Smit
09:15	09:30	3155	The Kokchetav Massif: Type locality of metamorphic diamonds	Dr. HP. Schertl
09:30	09:45	4041	The significance of zircon in oceanic mantle peridotites and chromitites	Dr. Paul T Robinson
09:45	10:00	5568	Structure of the Baimarang massif from the Xigaze ophiolite, Yarlung Zangbo Suture Zone, Tibet, China	Dr. Yuan Li

T31.16 - The Deep Earth	Date Friday, 02 September 2016	Time 10:30 to 12:00	
	Chair	Room Hall 4B3	

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

Paper #	Title	Speaker
92	The gravity derived Moho depth of Botswana and its implication in the recent geodynamic activities	Mr. Chikondi Chisenga
4447	Crust and uppermost mantle structure of Madagascar.	Mr. Fenitra Andriampenomanana
2806	Water contents on peridotite xenoliths from Southwest China	Dr. Rong Wang
267	Preliminary Gravity Survey of Western Bhutan	Dr. Kevin Mickus
4950	Crustal conductors and lithospheric structure in an accretionary Svecofennian orogeny in Fennoscandia	Dr. Toivo Korja
4922	Deep structure of the East European Craton marginal zone in Poland from joint inversion of surface-wave dispersion and receiver functions	Mr. Kajetan Chrapkiewicz
2192	Poisson's ratio and porosity in deep seismic zone under Izu-Bonin, Japan	Dr. Guoming Jiang
2857	Reducing environment in chromitites: possible causes for PGE and diamond formation	Dr. Alexander Proyer
2771	Mathematical modeling of shear and converted waves in deep seismics offshore	Dr. Alexander Rybalka
3307	Along the strike magnetotelluric profile to map electrical structure of Radhanpur-Ajmer transect in Rajasthan, India.	Dr. Tanvi Arora
299	Gravity anomalies over Indian Cratons and their Geological implications	Mr. JAMMIVENKATA RAMARAO
1608	Structural heterogeneity of West-Pacific subduction zones and its implications for interplate megathrust earthquakes	Dr. Xin Liu
4422	Thickness and composition of the crust in southern Africa	Prof. Hans Thybo
959	Petrogenesis Implications of Zoned Spinel from Northeastern Jiangxi Province Ophiolite (NEJXO), China	Dr. Guolin Guo
249	Deep earth exploration by Magnetotelluric (MT) survey	Dr. DULAL CHANDRA NASKAR
2070	Crustal Architecture along BABEL and FIRE profiles – Insight in the Growth of the Svecofennian Orogen, Fennoscandian Shield	Dr. Annakaisa Korja
2286	Crustal structure and composition beneath northeastern Tibetan Plateau from teleseismic receiver function analysis	Prof. Xinfu Li
743	Seismic structure of northern segment of the N-S tectonic belt in North-Central China and its geological implications	Dr. Cheng Shunyou
1328	The multi-stage tectonic evolution of the Xitieshan terrane, North Qaidam orogen, western China: from Grenville-age orogeny to early-Paleozoic ultrahigh-pressure metamorphism	Dr. Cong Zhang

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T31.17 - The Deep Earth	Date	Friday, 02 September 2016	Time	14:00	to	15:30
	Chair		Room	Hall 4B3		

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