



T43.11 - Rock Deformation and Structural Geology *Date* **Thursday, 01 September 2016** *Time* **08:00** *to* **10:00**
Chair *Room* **Westin - Sir Francis Drake**

Times		Paper # Title	Speaker
08:00	08:15	4111 Pseudotachylytes: towards a depth of origin	Prof. Uwe Altenberger
08:15	08:30	874 Microstructural and chemical heterogeneity of pseudotachylytes from Indian craton, and its implications for frictional melting process along seismic faults	Professor Anupam Chattopadhyay
08:30	09:00	5445 Interpreting continuous-discontinuous deformation structures considering a continuum of fault slip styles: The example of flexural-slip folds	Dr. Ake Fagereng Keynote
09:00	09:15	1057 Structural analysis of Jwaneng Mine, Botswana	Dr. Ian Basson
09:15	09:30	1062 Structural analysis of the Steenkampskraal Monazite Deposit, Western Cape, South Africa	Dr. Ian Basson
09:30	09:45	1267 Interactive Structural Analysis of Virtual Geological Outcrops	Dr. Michael Roach

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10:30	10:45	3552 Structural Development of the Potchefstroom Thrust and Fault System, Witwatersrand Basin, South Africa.	Mr. Matt Terracin
10:45	11:00	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	11:15	4425 A comparative study between magmatic and magnetic fabrics with flow indicators to infer magma flow in sills.	Dr. Lauren Hoyer
11:15	11:30	3460 Interpreting earthquake-triggered mass transport and soft sediment deformation in Lake Lisan, Dead Sea Basin	Prof. Shmuel Marco
11:30	11:45	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	12:00	660 The architecture of buried reverse fault zone in sedimentary basin: A case from the northwest margin of Junggar Basin, China	Dr. Liu Yin

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14:00	14:15	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	14:30	2218 Pseudo mega ring structure in Waterberg sandstone	Ms. Carike Pretorius
14:30	14:45	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	15:00	2418 Gas Bearing faults: how do they work?	Ms. Sabina Bigi
15:00	15:15	4060 The brittle evolution of the Critical Zone across South Africa: Implications for sustainable transformation	Mr. Taufeeq Dhansay
15:15	15:30	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

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16:00	16:30	3669 Intracontinental deformation and reactivation, South Wales Coalfield, UK	Dr. Thomas Blenkinsop Keynote
16:30	16:45	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	17:00	2981 Crustal deformation characteristics revealed by GPS observations in Guangdong area	Dr. Xing Yan
17:00	17:15	2481 The Trans-European Suture Zone: origin and tectonomagmatic events in late Variscan times	Prof. Andrzej Zelazniewicz
17:15	17:30	459 Geometry and kinematics of Moyar-Bhavani shear zone (central part), Tamil Nadu India: Characterising a Neoproterozoic oblique transpression	Mr. Siddhartha Karmakar
17:30	17:45	349 Structural characterization and its implication of deformation timing of the Daerbute strike slip fault	Dr. Kongyou Wu Dr. Yangwen Pei

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	5039 Structural Mapping and Identification of Hydrothermal Alteration Zones Through SRTM and ASTER Images in Macossa, Mozambique	Mr. Manuel Nopeia
	3302 The difference of fracture density and fluid flow characteristics between footwall and hanging wall of a high angle fault	Mr. Taehyung Kim
	2296 Phyllosilicate occurrence along extensional faults in carbonate rocks and implications for seismic rupture propagation: case studies from the central Apennines, Italy	Dr. Luca Smeraglia
	1090 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
	5076 En-echelon quartz vein arrays in a progressive dextral transpressional system, Storms River, Eastern Cape, South Africa	Dr. Matthew Brayshaw
	3341 ANOTHER LOOK AT GEOLOGICAL STRUCTURES OF PART OF THE NANGODI BELT, NORTHEASTERN GHANA: AN INTEGRATED STRUCTURAL AND GEOPHYSICAL APPROACH	Ms. Elikplim Dzikunoo
	2088 Geophysical Evidence on the Origin of the Caldas Novas Dome	Dr. Detlef Walde
	3000 Origin of Pseudotachylyte: A case study from the fault zone between the Mangalwar and Sand Mata plutons, central Rajasthan, India	Dr. Gautam Deb
	2111 A Comparison Between Modeling and Field Observations of Off-Fault Strain around Pseudotachylyte Fault Veins, Norumbega Shear Zone, southern Maine	Ms. Catherine Ross
	1069 The elusive Rayton Formation in the Khayakhulu area; western Transvaal basin of the North West Province, South Africa	Ms. Refilwe Shelembe
	2830 Age of folding and relationships of Pai-Hoi–Novaya Zemlya and Urals orogenic belts.	Dr. Mikhail Shishkin
	2672 The effects of tectonic and stratigraphic inherited discontinuities on fault development and their surface evidences through analogue models	Prof. Silvio Seno
	19 Geological Mapping, Structural Setting and Petrographic Description Of The Archean Volcanic Rocks Of Mnanka Area, North Mara, Tanzania.	Mr. Ezra Kavana
	4505 Hydraulic fracturing for plaster under brittle-ductile transition condition	Dr. Akihisa KIZAKI
	5325 Series of China's metallogenic geological setting maps	Mrs. Yanfang Feng

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08:00	08:15	1859 Deformation patterns in the Bagalkot Group of rocks in the intracratonic Kaladgi basin, south western India: A case of Mesoproterozoic gravity gliding of the cover over the basement during basin uplift	Dr. Mrinal Kanti Mukherjee	
08:15	08:45	2862 Stress rotation, scale invariance and the locked in stress	Dr. Gerrie van Aswegen	Keynote
08:45	09:00	1194 Three Pagoda Fault Zone of the Kanchanaburi region interpreted from airborne geophysical data	Dr. Dhiti Tulyatid	
09:00	09:15	4149 3D microfabric analysis of progressive, polyphase subglacial deformation beneath the late Weichselian Baltic Ice Stream (Scandinavian Ice Sheet, Europe)	Dr. Heiko Huneke	

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10:30	10:45	1061 Structural Analysis and Implicit 3D Modelling of High-Grade Host Rocks to the Venetia Kimberlite Diatremes, Central Zone, Limpopo Belt, South Africa	Dr. Ian Basson
10:45	11:00	627 UPPER CRETACEOUS-TERTIARY STRIKE-SLIP TECTONICS IN NE LIBYA: EVOLUTION WITHIN DEXTRAL SPLAY DUPLEX STRUCTURE	Dr. Maher El Amawy
11:00	11:15	5019 The Record of Subduction and Collision along the Southern Marginal Zone of the Damara Orogen	Mr. Michael Hartnady
11:30	11:45	4015 Caledonides to Cascades Connections: Tectonic evolution of Paleozoic terranes in NW Washington, USA	Dr. Elizabeth Schermer