



T42.11 - Regolith, paleoweathering and continental surface dynamics: from landscape to the global perspective *Date* **Thursday, 01 September 2016** *Time* **08:00 to 10:00**
Chair *Room* **Westin - Prince Edward/Schappen**

Times		Paper # Title	Speaker
08:00	08:30	994 Landscape evolution and regolith characteristics of east central Namibia	Dr. Kenneth McQueen Keynote
08:30	08:45	277 Basalt weathering processes and landforms in the Lesotho Highlands, southern Africa	Prof. Stefan Grab
08:45	09:00	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	09:15	3567 Regolith in the sediment routing system: a view from tropical shields	Prof. Dominique CHARDON
09:15	09:30	3847 Tempo of lateritic weathering and erosion of Peninsular India over the Cenozoic: Morphoclimatic implications	Dr. Anicet Beauvais
09:30	09:45	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	10:00	3041 African Cenozoic Sedimentary Flux from Modelling of Drainage Networks	Mr. Simon Stephenson

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10:30	11:00	275 Global sediment systems in the Anthropocene	Prof. Jasper Knight Keynote
11:00	11:15	466 Landform surface analysis of Schirmacher Oasis, East Antarctica as an indicator of geomorphological evolution	Mr. Prakash Kumar Shrivastava
11:15	11:30	413 Decoding fluvial archives along River Tista at the frontal Himalayan foreland, India	Dr. Sreemati Gupta Dr. Snigdha Ghatak
11:30	11:45	1764 GEOLOGICAL EVOLUTION OF PARABOLIC BEDFORMS IN GREAT INDIAN THAR DESERT	Dr. Sudesh Wadhawan
11:45	12:00	2180 Numerical modelling activation of vegetated parabolic dunes driven by climatic change and anthropogenic disturbance	Dr. Na Yan

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

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16:00	16:15	935 Functional diversity of microbial communities associated with deep-sea hydrothermal deposits	Dr. Anna-Louise Reysenbach
16:30	16:45	66 Redefining the surface Petra –Jordan A Case Study	Ms. Catreena Hamarneh
16:45	17:00	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	17:15	68 Deep crustal CO2 fluxes in Jordan and their various geological manifestations	Prof. Nizar Abu-Jaber
17:15	17:30	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	17:45	4830 Assessing the aeolian assumption	Mr. Johan Smit

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	3499 Exceptional alteration of cassiterite, rutile, zircon, xenotime and monazite during weathering of VHMS mineralisation	Dr. Ravi Anand
	3608 Petrology and lithochemical characteristics of Basement rocks of Southwestern Nigeria: implications for weathering induced metal release and redistributions in soils.	Dr. Saheed Oke
	4750 ^{10}Be data on erosional surfaces in the Mayombe massif (SW Congo)	Dr. Denis Thiéblemont
	2922 Monazite characterization in a carbonatite weathering profile – a new tool for landscape geochronology	Mr. Loic Le Bras
	3851 Regolith and landscape evolution in Peninsular India and West Africa: Morphoclimatic evolution of the two continents over the Cenozoic	Dr. Anicet Beauvais
	4132 Erg Chebbi, SE Morocco: Morphometry, granulometry, and groundwater recharge	Prof. Olaf Bubbenzer
	513 The real process of river capture in mountainous regions	Prof. Jiagui Zhang
	3791 Geochemical evolution of polygenic ferricrete-capped landscapes: Example from the Poura region, Burkina Faso	Prof. Ousmane Bamba
	3205 Mobility and fractionation of Zr-Hf, Nd-Ta and Y-Ho due to extreme and overprinting weathering events	Dr. Ignacio Gonzalez-Alvarez
	4438 Chromium isotope fractionation during extreme basalt weathering	Dr. Michael Babechuk
	2398 Mineralogical and d^{18}O - d^{D} isotopic study of kaolinized micaschists at Penestin, Armorican Massif, France: New constraint in the kaolinization process	Mrs. Veronique Ansan

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