



T28.6 - Sedimentary Processes - ancient to modern

Date Tuesday, 30 August 2016

Time 16:00 to 17:45

Chair

Room MR 1.41 - 1.42

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

Times	Paper # Title	Speaker
	792 Reservoir architecture of estuarine tidal bar deposits in the McMurray Formation, Alberta, Canada	Dr. Jixin Huang
	4122 Non-contemporary, Normal Seawater for the formation of crystalline dolomite in the Lower Triassic Feixianguan Fm Reservoirs, NE Sichuan Basin, China	Dr. Yijiang Zhong Dr. Keke Huang
	2619 Identification of foraminifera and research on sedimentary microfacies in Well ZK17503 in southern Sichuan	Mr. Yunzhao Zhang
	4124 Saddle dolomite cement in Upper Paleozoic clastic reservoir rocks from Ordos Basin and the effect on reservoir properties	Dr. Yijiang Zhong Prof. Sijing Huang
	4210 Morphologic response of the Jangan linear tidal sand ridge to anthropogenic impacts over four decades, west coast of Korea	Dr. Tae Soo Chang
	818 Tidal Rhythmites as High-Resolution Chronometers for Basin Analysis	Dr. Kenneth Eriksson
	4267 Two contrasting beaches on macrotidal coasts: Byunsan and Gosapo beaches, west of Korea	Seok Hwi Hong
	1743 Sedimentology and depositional evolution of Juin 4 Block in Orinoco heavy oil belt, Venezuela	Dr. WenSong Huang
	1901 Modern and ancient lagoons of the Namibian coast: sedimentation processes and environmental changes	Ms. Irka Schüller
	2289 Wavelet analysis of Paleoproterozoic tidal sediments distributed in the Singhbhum Craton, northeast India: Estimation of early Earth's (2 Ga) rotation velocity	Mr. Hiroyuki Miyata

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08:00	08:15	2811	Sedimentary Model and Reservoir Distribution of Cambrian Evaporite-Carbonate Paragenesis in the Sichuan Basin, Southwest China	Dr. Anna Xu	
08:15	08:30	2818	Characteristics of hydrothermal fluids and their influence on the Lower Paleozoic carbonate reservoirs in the Tarim Basin, China	Dr. wei liu	
08:30	09:00	5505	Tidal Rhythmites: What, Why, How and Where?	Dr. Kenneth Eriksson	Keynote
09:00	09:15	278	Controls on saltmarsh stratigraphy and evolution, northwest Ireland	Prof. Jasper Knight	
09:15	09:30	3738	Mesoproterozoic tidalites from southern part of Lalsot Basin, North Delhi Fold Belt, Rajasthan, India	Dr. BIPLAB BHATTACHARYA	
09:30	10:00	1243	Early diagenetic geochemical homogenization of fine-grained carbonate sediments	Professor Adrian Immenhauser	Keynote

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10:30	10:45	4270	High-resolution hydroclimate of Southeastern Africa: A 1.3 million record of lake level variability from Lake Malawi (Nysasa) Scientific Drill Core	Dr. Christopher Scholz
10:45	11:00	1897	Climatic induced shift in rainfall zones preserved in Kalahari salt pans	Ms. Irka Schüller
11:00	11:15	771	Glaciotectonic complexes in the central Anti-Atlas (Morocco): implications regarding the end-Ordovician ice-margin dynamics	Dr. Pierre Dietrich
11:15	11:30	4831	Holocene climate records from lake sediments in India: assessment of coherence across climate and latitudinal zones	Dr. Sampat Tandon
11:30	11:45	5278	Land-ocean linkages of environmental change in the late Quaternary Bering Sea	Prof. Dr. Bernhard Diekmann

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14:00	14:15	770 Anatomy of a deglacial sequence: the example of the Upper Pleistocene – Holocene of the St. Lawrence North Shore (Québec, Canada)	Dr. Pierre Dietrich
14:15	14:30	1435 Geochemical provenance of Tertiary sediments in the North-Eastern India: understanding tectonic uplift and weathering in the Himalayas	Dr. Neeraj Awasthi
14:30	14:45	383 Palaeoclimate and Depositional Environment of Sediments from Eastern part of Satpura Gondwana Basin, Central India	Dr. Manjusha Mahajan
14:45	15:00	2609 Sequence Stratigraphic Interpretation of Terminal Cenozoic Succession of Kutch (Sandhan Formation), Western India	Mr. Shubhendu Shekhar
15:00	15:15	2324 Carbon sequestration capacity of naturally reintroduced temperate eelgrass meadows.	Ms. Emilia Jankowska
15:15	15:30	3959 Coastal upwelling near the western margin of the Siberia in the late Cryogenian: phosphatic stromatolite, marine loess and correlation of transitional Cryogenian-Ediacaran strata	Dr. Julius Sovetov

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	2717 Environmental drivers and benthic controls of organic carbon storage in sediments of northern fjords - a latitudinal study (60–80°N)	Dr. Maria Włodarska-Kowalczyk
	323 Evidence of Basin Subsidence and Submergence in part of Sunderban, West Bengal, India	Mr. SACHIN TRIPATHI
	5396 Palaeo-environmental evolution in Lake Lúngue, southern Mozambique, during the last 1000 years	Mrs. Sandra Siteo
	927 Beach Bar Sedimentary Characteristics of Es1 member in Beipu Area, Nanpu Sag	Ms. Mengyao Li
	2939 Sedimentology and Magnetostratigraphy of the cretaceous formations in the Hamakoussou and Mayo Oulo-Lere bassins in the Northern Cameroon (Benue Throught).	Dr. Jacqueline Ntsama Atangana
	2552 Sequence Stratigraphy and Sedimentary Facies Analysis of Shahejie Formation in Nanpu Sag of Bohai Bay Basin ,China	Prof. jinliang Zhang Mr. zhongqiang Sun
	4888 ePalaeotopography as an important factor for the development of continental glaciations: Ediacaran and Famennian cases	Dr. Mariusz Paszkowski
	2269 Prediction of submarine canyon bathymetry by the multivariate analysis of sediment geochemistry: A case study of northern Ionian Sea, Italy	Dr. Tohru Ohta
	1555 Stratigraphy and palaeoenvironments of Permian to Jurassic strata in the Lebombo-Tshipise Basin, northeast South Africa	Ms. Katherine Clayton
	3890 Petrographic and geochemical criteria for distinguishing humid versus arid laminated calcrete deposits, Puerto Rico	Ms. Katherine Kuklewicz
	4 The reconstruction of paleo-environment Albo-Aptian sediments of the massive El Hmaima North Tébéssa North-Eastern Algeria	Ms. Diab Hamida
	628 Depositional changes and sea-level fluctuation from Holocene Nakdong River deltaic sediments, South Korea	Prof. Daekyo Cheong
	5133 Revisiting beachrock cementation processes	Ms. Isabel Villaneda-Van Vloten
	556 Paleoclimatic, paleoenvironmental and paleotectonic significance of Middle Jurassic Fe concentrations of Central Sardinia (Italy)	Dr. Andrea Vacca
	2581 Holocene sediment transfer in Godavari River: Inferences from mineral magnetic studies	Dr Satish Sangode
	1664 2D Seismic-Stratigraphic analysis of the Jc-A1 well, Durban Basin, East Coast, South Africa	Mrs. Thulisile Nokwethemba Buthelezi
	769 Origin and formation specificity of the Late Cenozoic sediments of the Central Arctic rises: the experience of molecular stratigraphy	
	3795 The chemical stratigraphy and palaeoenvironmental significance of the Kalkkop Impact Crater Lake deposits, Eastern Cape, South Africa.	Ms. Ponani Mthembi

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08:00	08:15	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	08:30	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	08:45	4742	Surface Sediment Grain Size Characteristics and Their Response to the Hydrodynamic Conditions of Qiantang River Estuary, China	Dr. Yuxin SHI
08:45	09:00	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	09:15	302	Evidences and provenances of Seismo-turbidites in the Northern Part of Narcondam-Barren Basin	Mrs. Drishya G
09:15	09:30	5054	Palaeoenvironmental fluctuations during a terminal Oligocene-early Miocene transgression at the southwestern tip of Africa	Dr. Hayley Cawthra
09:30	09:45	3147	Sedimentary Characteristics and Model of Shallowwater Delta System of the Paleogene of Jianquanzi Member in Yaerxia Area, Jiuquan Basin	Ms. Jia-Ni Liao
09:45	10:00	3832	Reanalysis of cryptic sedimentological relationships involving the Southern Karoo Ripon Formation and the southwestern Karoo Vischkuil/Laingsburg Formations: Implications for basin and palaeoenvironmental reconstruction	Mr. Schalk Walters

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10:30	11:00	5506 Detrital Zircons as a Next-Generation Tool in Source-to-Sink Sedimentological and Stratigraphic Analysis	Dr. Mike Blum	Keynote
11:00	11:15	3403 Late Cretaceous and Paleogene Sediment-dispersal Systems in an Evolving Foreland-basin System, Northern and Central Mexico	Dr. Timothy Lawton	
11:15	11:30	562 Late Paleozoic Sediment Routing Systems of the Appalachian Basin – Linkages with Alleghanian Orogenesis	Dr. Kenneth Eriksson	
11:30	11:45	3965 Late Ediacaran large river deposits at the Siberian Platform south-west: sedimentology and provenance relating to paleocontinents connection	Dr. Julius Sovetov	
11:45	12:00	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	Dr. Wei Wang	

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14:00	14:15	4815 Cretaceous through Paleogene North American Drainage Reorganization from Detrital Zircons	Dr. Mike Blum
14:15	14:30	5126 Detrital record of tectonic and climate interactions during Gondwanide orogenesis from the lower Ecca Group, Karoo basin, South Africa	Dr. Amy Weislogel
14:30	14:45	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	Dr. Jean-Michel KLUSKA
14:45	15:00	4327 Source to sink - or sink to sink? Sedimentary recycling and its effects on detrital zircon-based provenance analysis	Prof. Tom Andersen
15:00	15:15	3304 A Geochronological Study of Paleogene- Neogene Foreland Basin Sediments Western Nepal Himalaya: Implication of Provenance Analysis	Dr. Upendra Baral
15:15	15:30	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.	Mr. Brenton Fairey

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16:00	16:15	4562	The answers are blowin' in the wind: ultra-distal airfall zircons, evidence of Cretaceous super-eruptions in eastern Gondwana	Dr. Milo Barham	
16:15	16:30	1281	U-PB DETRITAL ZIRCON SIGNATURES OF MISSISSIPPIAN CLASTIC ROCKS AND THEIR TECTONIC IMPLICATIONS, SOUTHERN MID-CONTINENT, UNITED STATES	Dr. Xiangyang Xie	
16:30	16:45	1264	Evolution of the western Namibian drainage systems since Eocene times – a multi-methodical approach	Mr. Andreas Gärtner	
16:45	17:15	5525	A quantitative knowledge base of continental depositional systems: new approaches to fluvial facies models and sequence stratigraphy	L Colombero	Keynote
17:15	17:30	603	Need to relook on depositional environment of the Himalayan Foreland Basin during transition from the last marine to first continental sedimentation	Dr Seema Singh	
17:30	17:45	2963	There's More Than One Way to Build a Point Bar: Multiple Growth Processes in River-Channel Point Bars	Professor John Holbrook	

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	2804 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
	1514 The features and significance of Aeolian sandstone in the Lower Cretaceous system, Northern Ordos basin, China.	professor Jianhua Zhong
	1836 The seismic induced large-scale dish structures in the early cretaceous of the Northern Ordos basin	Dr. Liangtian Ni
	3646 A GIS-based circum-Arctic zircon U-Pb age database	Dr. Michael Pointon
	990 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
	2148 Source rock determination of detrital quartz grains by utilizing the Voigt peak separation of cathodoluminescence spectrum	Mr. Masahito Osawa
	1841 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
	4656 Studying on Paleogene Sedimentary records of the south Depression of Nyima basin in Tibet	Mr. Wentian Mi
	1865 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
	3534 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
	674 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
	1420 Geochemistry and Weathering History of Sandstone from Balfour Formation, Karoo Basin, South Africa: Implications for Provenance and Tectonic Setting	Ms. Monica Enifome Oghenekome
	611 Sedimentary Patterns and Stratigraphic Trap Models of Deeply Buried Intervals in the Baxian Depression, North China	Dr. Shengli Li Dr. Xinghe Yu
	4292 A review of the volcanology and sedimentation of the Mid Permian southern Sydney Basin; with reference to convergence and subduction along the Gondwanan Panthalassan margin	Dr. Glen Bann
	5362 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

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08:00	08:15	2178	Numerical stratigraphic model of fluvial point-bar architectures controlled by tectonic forcing	Dr. Na Yan
08:15	08:30	3776	Lithology-Based Sequence-Stratigraphic Framework and Sedimentary Evolution of the Cenozoic Succession in the Northeastern Nanpu Sag, China	Ms. Mengyi Ren
08:30	08:45	1797	Mixed Hydrothermal and Biogenic Origin of Composited Quartz Aggregate in Lacustrine Shale of Lucaogou Formation, Santanghu Basin, NW China	Mr. Xin Jiao
08:45	09:00	106	Gravity current deposits: dominant reservoirs of shale oil in post-rift basin insight from late Cretaceous First member (K2qn1) of Qingshankou Formation and First to second members (K2n1-2) of Nenjiang Formations, Songliang Basin, Northeastern China	Dr. Youliang Feng
09:00	09:15	3808	A record of sedimentation of the late-Ordovician Soom Member (Cedarberg Formation) from new borehole data in the Cedarberg region of South Africa.	Ms. Claire Browning
09:15	09:30	2850	The Vembo Shales (Republic of the Congo): new insights on the transition from lacustrine to marine settings for the South Atlantic	Mr. Delhaye-Prat Vincent
09:30	09:45	2186	Evidence of an atmospheric oxygenation event in the "Boring Billion" period provided by trace element content of sedimentary pyrite in Proterozoic black shales	Ms. Indrani Mukherjee
09:45	10:00	1382	Pyritic event beds and sulfidized Fe (oxyhydr)oxide aggregates in organic-rich black mudstones of the Paleoproterozoic Talvivaara formation, Finland	Dr. Joonas Virtasalo

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10:30	11:00	5204 Africa's megafans and their tectonic habitat	Dr. Justin Wilkinson
11:00	11:15	5646 Megafans of the Northern Kalahari Basin	Dr. Justin Wilkinson
11:15	11:30	1549 Seasonal deposition and post-depositional modification under semi-arid conditions of the Tertiary, low-gradient Cubango Megafan, northern Namibia	Dr. Roy Miller
11:30	11:45	5647 Megafans of the Gangetic plains: a review of decades of research	Prof. Rajiv Sinha
11:45	12:00	5645 Linking spatial and temporal biological diversity to megafan formations using remote sensing techniques space-based technologies	Mr H Mills

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	4540 Depositional Controls on Cretaceous Source Rocks: Insights from the Western Interior Seaway	Mr. James Scaife
	1035 Characteristics of organic matters in sediments from the Northern South China Sea	Dr. Weihai Xu
	5440 Facies variations in the Kalahari-Karoo Basin of Botswana using borehole core and 2D seismic data	Ms. Vuyolwethu Mahlalela
	2499 The relationship between distribution of benthic foraminiferal assemblages and geochemical properties in the Iznik Lake (Turkey) bottom sediment	Dr. Ipek F. Barut
	5446 Depositional conditions during sedimentation of the Cretaceous (Aptian-Albian) organic-rich siltstone of the Carolinefjellet Formation at Isfjorden, Spitsbergen	Ph.D. Michał Rakociński
	2028 The Fate of Biogenic vs. Abiogenic Organic Matter during Thermal Maturation	Mr. Helge Mißbach