

Poster Sessions

Group A

Tuesday, 12th Sep 2017

Poster ID	Presenter	Title
A100	Andreas Lang	Potential Reference Material for Gamma Spectrometry
A101	Loic Martin	DosiVox-2D: a Geant4 software for investigating the beta dose rate heterogeneity from sample slices
A102	Alastair Cunningham	High-precision estimates of the beta and gamma dose rate in sediment
A103	Kolawole Oguntona	Thermoluminescence kinetic parameters of LiF:Mg,P
A104	Janina Bösken	Testing the possibility of a common α -value for pIRIR ₂₉₀ protocols of polymineral fine grains
A105	Michael Discher	Calculating or simulating the dose-rate? A comparison.
A106	Gabor Ujvari	On the relationship between K-concentration and dose in single-grain feldspar
A107	Simon Armitage	Optically stimulated luminescence dating of heat retainer hearths from the Sahara and Arabian Peninsula: Insights into signal accumulation and measurement.
A108	Anne Skinner	Tripling The Pleasure: ESR Dating Ungulate Teeth and Molluscs from Marathousa 1, Greece
A109	Ruby-Anne Birin	Constraining the timing of the earliest Bokoni occupation phase (Phase I) in Komati Gorge, Mpumalanga, South Africa
A110	Aditi Krishna Dave	Archaeological and Chronological Constraints on the Contemporaneity of a Mighty River and the Harappans
A111	James Feathers	IRSL dating of rocks and sediments from desert geoglyphs in coastal Peru
A112	Junyi Ge	High-resolution OSL dating of the human fire use and artificial pebble floor from Dahe site in South China
A113	Anna Galli	Applying the “pre-bleached with blue LEDs” protocol to date Umayyad mosaic tesserae by thermoluminescence
A114	Fei Han	Coupled ESR and U-series dating of Middle Pleistocene hominin site Bailongdong cave, China
A115	Nicole Klasen	Application of luminescence dating of archaeological sequences – examples from the Iberian Peninsula
A116	Christelle Lahaye	New study, other site, same old song: the Pleistocene-Holocene archaeological sequence in Toca da Janela da Barra do Antonião North, Piauí, Brazil
A117	Norbert Mercier	Dating the Mousterian Site of Le Rozel (Normandy, France): a Case Study for Dose-rate modelling and Bayesian analysis of Equivalent Dose Distributions
A118	Nguyen Quang Mien	Thermoluminescence and radiocarbon dates in the brick structures of Go Thap site in the Low Mekong Delta
A119	Myung-Jin Kim	Age determination of Korean ancient Buddhist musical instrument (Yogo) using SAR-TL method
A120	David Strebler	TL and pIR-IRSL ₂₉₀ dating of a Roman Lime Kiln from Germany
A121	Sahar al Khasawneh	Establishing a first radiometric chronology for a megalithic stone structure in Jordan- Khatt Shebib using rock surface luminescence dating technique

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A122	Jia-Fu Zhang	Luminescence dating of weathered sediments from the paleolithic site of Fengshuzui in northern Hunan province, China
A123	Marco Martini	Mortar OSL and brick TL dating: the case study of the UNESCO world heritage site of Modena
A124	Mailys Richard	ESR/U-series chronology of early Neanderthal occupations at Cova Negra (Valence, Spain)
A125	Lisa Snape-Kennedy	Wind, water and walls: luminescence dating applied to large-scale irrigation systems in Transcaucasia
A126	Christophe Falgueres	ESR/U-series dates on Equus teeth from the Middle Pleistocene Acheulean site of Cueva del Angel, Spain
A127	Chuanyi Wei	Long Time Artificial Optical Bleaching Kinetics
A128	Weili Bi	The total dose calibration for ESR dating in glacial tills
A129	Helene Tissoux	Contribution of cathodoluminescence to the characterization and selection of quartz for ESR dating
A130	Taisei Fujiwara	ESR dating of sulfate minerals in sea-floor hydrothermal deposits in comparison with radioactive disequilibrium ages
A131	Sumiko Tsukamoto	Quartz natural and laboratory ESR dose response curves: first attempt from Chinese loess
A133	Valentina Anechitei-Deacu	Single-grain OSL investigations in the high dose range using quartz of different grain sizes
A134	Andrew Murray	Quartz OSL age underestimation: thermal and/or athermal fading?
A135	Miren del Val Blanco	First OSL and ESR chronologies for the Quaternary fluvial deposits of the eastern Cantabrian margin (Northern Spain).
A136	Elizabeth Chamberlain	Bleaching differences of modern and late Holocene quartz sediment of the Mississippi River Delta
A137	Robert Dawam	Kinetic analysis of the thermoluminescence of annealed synthetic quartz
A138	Julie Durcan	Optimising lifetime determinations of the quartz luminescence signal
A139	Duk-Geun Hong	Analytical study of Al ₂ O ₃ :C TL glow peaks separated by deconvolution
A140	Peter Hunter	Thermoluminescence emission from quartz at 480 nm as a high-dose radiation marker
A141	Schadrack Nsengiyumva	Thermoluminescence study of argon-implanted aluminium oxide
A142	Adnan Özdemir\ Kassim Kurt	A study for the estimation of OSL trap parameters in Li ₂ B ₄ O ₇ :Ag,Gd phosphor
A143	Anurag Pandey	Luminescence of CaMoO ₄ :Ho ³⁺ and BaAl ₂ O ₄ phosphors
A144	Piotr Palczewski	Band shape modulation optically stimulated luminescence (BSM-OSL) - simulations and first experiments
A145	Colen Manaka	Phosphorescence, Thermoluminescence and Magnetic properties of BaAl ₂ O ₄ :Mn ²⁺
A146	Chantal Tribolo	Can we date the sediments from the Bulbula river valley (Ethiopia) using volcanic glass?
A147	David Sammeth	Synthetically Grown Quartz as a Model System to Characterize Luminescence Properties Observed in Natural Quartz Samples
A148	Damilola Folley	Kinetic analysis of the main thermoluminescence glow peak in

		annealed natural quartz
A149	Sebastian Kreutzer	The IR-RF alpha-efficiency of K-feldspar
A150	Clemens Woda	Time-resolved optically stimulated luminescence of alumina rich electronic components of mobile phones
A151	Yali Zhou	The Oldest sand deposition in Otindag Sand field from Luminescence Dating
A152	Yang Huili	Changes of Quartz Fault Gouge OSL/TL and ESR Signals in Frictional Experiment at Seismic Slip Rates
A153	Guiming Hu	Simplified procedures for optical dating of young sediments using quartz from Western China
A154	Zhe Liu	OSL Chronology of Daluze paleolake deposits in the North China Plain
A155	Markus Fuchs	Testing the quartz and feldspar luminescence dating suitability of slope deposits along the Chilean coastal cordillera
A156	Ian del Rio	Potassium feldspar post-IR IRSL dating of uplifted beach-ridges in Mejillones Peninsula, Northern Chile
A157	Daniela Constantin	Dating of the Pleistocene/ Holocene transition recorded in loess deposits using multiple OSL techniques
A158	Stefana-Madalina Groza	Optically stimulated luminescence ages for the Upper Palaeolithic site Krems-Wachtberg, Austria
A159	Nathalie Diaz	An Okavango Mega-Delta? OSL dating of palaeo-hydrological features in the Chobe Enclave, NE Botswana
A160	Lee Arnold	Single-grain TT-OSL bleaching characteristics: Insights from modern analogues and OSL dating comparisons
A161	Martina Demuro	Single-grain OSL dating of the Middle Palaeolithic site of Galería de las Estatuas, Atapuerca (Burgos, Spain)
A162	Yesong Han	Luminescence dating of the Minjiang river terraces in the Songpan area and its geomorphological implication
A163	Regina DeWitt	OSL dating of quartz and feldspar samples from Pearse and Wright Valley, McMurdo Dry Valleys, Antarctica
A165	Jooah Choi	Chronology and its implications for depositional environments of the Southwestern Sea of the Korean Peninsula
A166	Mary Evans	Geomorphic and luminescence dating evidence of flood dynamics of the Sabie River, South Africa
A167	Qing An/ L.P. Yu	Insufficient bleaching of dune sand revealed by comparison among different grain-size of quartz and feldspar in the Qaidam Basin, NE Tibetan Plateau
A168	Lucas do Carmo	OSL-SAR, TL and ESR dating of Dama Branca (White Lady) dune field, Rio de Janeiro, Brazil
A169	Min Ding	Chronology of the Holocene loess-paleosol section and its environmental change in the central Shandong mountainous regions adjacent to the floodplain of the Yellow River, northern China

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Poster ID	Full Names	Title
B500	David Strebler	Thermoluminescence dating of heated flints – a case study from Jordan
B501	Niyazi Meriç	Fading studies on EPR signals of Durango apatite for various grain size fractions in the nano-scale; comparison with the corresponding luminescence results
B502	Makaiko Chithambo	Dosimetric features of optically stimulated luminescence from ultra-high molecular weight polyethylene
B503	Kassim Kurt	Luminescence spectrum of ZrO ₂ doped Gd ³⁺ under x-ray excitation at room temperature.
B504	Sunil Thomas	Dose response and kinetic analysis of thermoluminescence of Sm ³⁺ -doped P ₂ O ₅ -K ₂ O-MgO-Al ₂ O ₃ -ZnF ₂ glass
B505	Sheng-Hua Li	Thermochronological studies of sedimentary basins using TL signals from quartz
B506	Jinfeng Liu	Optically stimulated luminescence surface dating of modern riverbed pebbles
B507	Carlos Mazoca	Luminescence dating of fluvial sediments to constrain the development of submerged valley lakes in western Amazon
B508	Xiaomei Nian	Luminescence characteristics of quartz from the Yangtze River valley of China and their implication for provenance
B509	Qiuyue Y Zhao	Quartz OSL and K-feldspar pIRIR dating over the last interglacial at the Pingyin loess site in Shandong, eastern China
B510	Andre Zular	Evaluating the response of late Quaternary dunefields from Brazil to abrupt climate change using OSL dating and 110 °C TL sensitivity analysis
B511	LinHai Yang	Luminescence dating of a mega-dune in the eastern Lake Qinghai basin (northeastern Tibetan Plateau) and implications for aeolian activity dynamics
B512	Ningsheng Wang	Optical luminescence age refinement and implications for youngest loess and fluvial gravel deposition during the Last Glacial, Southern North Island of New Zealand.
B513	Pierre Voinchet	Dating of the stepped quaternary fluvial terrace system of the Yellow River by Electronic Spin Resonance (ESR)
B514	Vinícius Ribau Mendes	Landscape evolution driven by changes in precipitation over the Brazilian semiarid: insights based on OSL data
B515	Fabiano Pupim	Low versus high dispersion in equivalent dose distributions of quartz from Amazonian fluvial sediments
B516	Anne Skinner	New ESR Mollusc Dates for Middle and Late Pleistocene Deposits at Bir Tarfawi, Western Desert, Egypt
B517	Junjie Zhang	Towards building up a global standard growth curve (gSGC) for IRSL signals from feldspar separates and polymineral grains of Northwestern China
B518	Zakieh Rashidi Koochi	OSL dating of palaeosols in arid environments of Iran
B519	Abi Stone	Using a portable luminescence reader for rapid age assessment of aeolian sediments across southern Africa
B520	Saiko Sugisaki	High-resolution quartz OSL dating of deep marine sediment: A case study from the Sea of Japan
B521	Atul Kumar	Luminescence Chronology of Fluvial Terraces in Middle Tista

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	Singh	Valley, Darjeeling-Sikkim-Tibet Wedge, Eastern Himalayas: Implications to Climate and Neo-Tectonics
B522	Marcus Fuchs	Stone Pavements in arid environments: Does grain size matter for OSL dating?
B523	Yanyan Yan	Optical dating of a lower Yellow River terrace and its implication for dating higher terraces
B524	Galina Faershtein	Natural saturation of OSL and TT-OSL signals of quartz grains from Nilotic origin
B525	Andrzej Bluszcz	Reverse-engineering of a numerical model of quartz luminescence
B526	Sebastien Huot	Applying OSL and IRSL dating on fluvio-glacial outwash deposited after the LGM near Chicago (USA)
B527	Hongyuan Shen	OSL and Radiocarbon Dating of flood sediments and palaeoenvironmental implications since mid-Holocene in the Yihe River Basin, East China
B528	Toru Tamura	High-resolution OSL dating of cut-and-fill beach deposits for extending observation of coastal erosion, SE Australia
B529	Jeong-Heon Choi	Quartz OSL dating of marine sediments from the west coast of Korea: the reconstruction of the Holocene sea level changes in the eastern coast of the Yellow Sea
B530	Jin Cheul Kim	Comparison of luminescence chronologies of different size fractions of quartz
B531	Lei Gao	The sedimentary evolution of Yangtze River delta since the last 19 ka revealed by OSL dating
B532	Zhuolun Peng	Study of the oriented thermoluminescence of the natural quartz crystal and its implication
B533	Xue Rui	Variability in thermal stability of the OSL signal for single grains of quartz from the Nihewan Basin, north China
B534	Kurbanov Redzhep	First optically stimulated luminescence dating results from the Lower Volga (Srednaya Akhtuba section)
B536	Jingran Zhang	A new luminescence chronology of the loess-palaeosol sequence in Uzbekistan, central Asia
B537	Hua Zhao	OSL dating of flood sediments from Daluze area in the North China Plain
B538	Chengmin Wang	Impacts of residual OSL signals on dating of young fluvial sediments from Yellow River, China
B539	Lirong Yang	The correlation of the detrital sediment provenance from zircon U-Pb ages distribution and luminescence sensitivities of quartz grains of Hobq Desert area, North of China
B541	Eun-Young Yeo	Constraining the eruption timing of the monogenetic volcanoes in northeastern Jeju Island, Korea, by quartz OSL dating of palaeosols
B542	Victoria Fitzgerald	Development of gypsum dating methods: refining the timing of late regression of Lake Bonneville
B543	Michael Meyer	Luminescence surface-exposure dating of a Little Ice Age moraine in the Eastern Alps – tests and initial results
B544	Davinia Moreno	First attempt of ESR dating of K-feldspars from Galería site (Atapuerca, Spain)
B545	Geraint Jenkins	Testing the accuracy of luminescence dating of cobbles for determining the retreat of the last British-Irish ice sheet

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B546	Ming Luo	Rock surface luminescence dating of the Langshan normal fault scarp in northern China
B547	Francoz Charlotte	Light on Nigg Bay saltmarsh sediments.
B548	Yewubinesh Reba	OSL dating of obsidian lavas from the Main Ethiopian Rift
B549	Joel Spencer	Attic dust from historic buildings: progress dating young mm-thick layers
B551	Dominik Brill	OSL surface exposure dating of wave-emplaced coastal boulders – Research concept and first results from the Rabat coast, Morocco
B552	Tony Reimann	Sensitisation of “out of competition” sand grains from saprolite – implications for luminescence-based quantification of soil mixing
B553	Kathleen Rodrigues	Testing the suitability of the TL signal for dating of volcanic glass
B554	Eike F Rades	First rock surface luminescence profiles in moraine boulders from Malta Valley, Austria
B556	L Baly\ Martin Autzen	Advances in the Instrumentation Development at CEADEN Dating Laboratory
B557	Vicki Hansen	Investigating the origins of over-dispersion in beta source calibration
B558	Louise Helsted	Measurement of natural radioactivity: calibration and performance of a high-resolution gamma spectrometry facility
B559	Yusuf Kağan Kadioğlu	SAR-TA-OSL dating application on samples of independent chronology with ages larger than 1Ma
B560	Jie Chen	Rock surface luminescence and cosmogenic ¹⁰ Be exposure dating of gneiss boulders from the offset fans at the Kongur normal fault, Chinese Pamirs
B561	Minqiang Bu	Characterization of scintillator-based gamma spectrometers for determination of sample dose rate in OSL dating applications
B562	Georgina King	Age determination using feldspar: evaluating fading correction model performance
B563	Sei Sun Hong	The age dating of the late Quaternary volcanic activity, Jeju Island, Korea
B564	Krzysztof Przegietka	TM-OSL measurements of quartz applied to palaeodosimetry
B565	Aditi Krishna Dave	On the usefulness of luminescence dating for the reconstruction of mass accumulation rates in loess: Some examples from Central Asia
B566	Melissa Chapot/Helen Roberts	Defining the upper limit of multiple luminescence dating chronometers for long lacustrine records from Chew Bahir, Ethiopia
B567	Mehmet Korhan Erturac\E Sahiner	Fluvial response to Black Sea level rise at Holocene: Luminescence geochronology of Sakarya River terraces
B568	Henri Garon	Late Pleistocene megafauna luminescence chronology and quartz single-grain OSL characteristics of Bat Cave (Naracoorte Caves, South Australia)
B569	Natacha Gribenski	Re-evaluation of luminescence based chronology of loess deposits from Tajikistan

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B570	Paul Hanson\ Shanon Mahan	New Luminescence Dating Results from the Mammoth Site at Hot Springs, South Dakota
B572	Shin Toyoda	Comparison and correlation of upper Cretaceous sedimentary sequence in Southern Mongolia with ESR and luminescence
B573	Chikumbusko Kaonga	Analysis of copper and manganese in sediment core samples using ICP-AES: Any potential for luminescence detection?
B574	Alex Hay/ A Carr	Quartz luminescence age underestimation and the utility of K-feldspar post-infrared IRSL protocols in the Mojave Desert, USA.
-	Chaolu Yi	Problems of ESR dating and suggested solutions in future ESR measurement