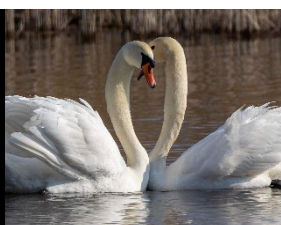
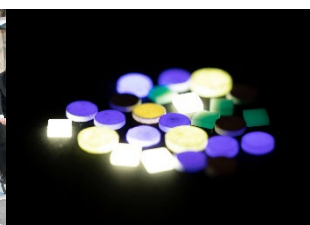


Scientific Program

LED2023

17th International Conference on Luminescence and Electron Spin Resonance Dating

25-30 June 2023, Copenhagen, Denmark



Sunday, 25th June 2023

9:00 – 16:00: Rock Surface Dating Workshop

09:00 – 09:30	Introduction	Mayank Jain
09:30 – 10:30	Kinetic models describing depth and time dependence of luminescence	Trine Holm Freiesleben
10:30 – 11:00	Coffee	
11:00 – 12:00	Model fitting of luminescence-depth profiles	Trine Holm Freiesleben
12:00 – 13:00	Lunch + a poster on practical considerations in rock surface dating	Lucas Mats Fredrik Ageby
13:00 – 14:00	Dose rate across rock interfaces	Svenja Riedesel
14:00 – 14:30	Challenges in rock surface dating	Mayank Jain
14:30 – 15:00	Imaging of luminescence-depth profiles	Myungho Kook
15:00 – 15:30	Coffee	
15:30 – 16:00	Luminescence imager demonstration	Myungho Kook

18:00 – 21:00: Ice breaker and registration

Monday, 26th June 2023

07:30 – 09:00: Registration

09:00 – 09:30: Inauguration

- Rasmus Larsen, Provost, DTU
- Jane Hvolbæk Nielsen, Head of Department, DTU Physics

09:30 – 10:30 Session 1, Fundamental investigations I

Chairs: Sumiko Tsukamoto & Nathan Brown

09:30 – 09:45	The evolution of post-isothermal feldspar luminescence in a Milankovitch time-scale glacialigenic sedimentary basin	Michel Lamothe
09:45 – 10:00	Linking feldspar luminescence phenomena and mineralogy using spatially resolved techniques	Svenja Riedesel
10:00 – 10:15	Spectral characterization of the IRSL and TL emissions produced by xenolithic feldspars from the Chaîne des Puys, France	William McCreary
10:15 – 10:30	Effect of sample composition on the infrared-radiofluorescence (IR-RF) of polymineral and K-rich feldspar samples	Mariana Sontag-González

10:30 – 11:00: Coffee

11:00 – 12:30 Session 2, Fundamental investigations II

Chairs: Jakob Wallinga & Helen Roberts

11:00 – 11:15	What surface processes are encoded in the luminescence sensitivity of quartz sediment grains?	Andre Sawakuchi
11:15 – 11:30	Linking provenance and surface processes to quartz luminescence sensitivity of modern and Pleistocene alluvium in a small catchment	Natalie Tanski
11:30 – 11:45	Investigating luminescence and electron spin resonance characteristics of quartz derived from sandstones: An insight into provenance and sediment transport in ancient depositional environments	Aditi K. Dave
11:45 – 12:00	Testing the performance of an EMCCD camera in measuring single grain feldspar (thermo)luminescence	Anna-Maartje Boer
12:00 – 12:15	Revisiting a proof of concept in spatial and temporal bleaching processes by measuring residual doses in surficial sands	Magali Rizza
12:15 – 12:30	Single grain quartz OSL signal properties assessed using EMCCD imaging	Julie Durcan

12:30 – 14:00: Lunch

Monday, 26th June 2023 (continued)

14:00 – 15:45 Session 3, Applications in geoscience I

Chairs: Markus Fuchs & Abi Stone

14:00 – 14:15	OSL dating of Late Pleistocene raised shorelines in northwest Scotland	Regina DeWitt
14:15 – 14:30	Luminescence dating of paleo-shorelines reveals Holocene Lake shrinkage mainly modulated by the Indian summer monsoon on the northwestern Tibetan Plateau	Shuai Zhang
14:30 – 14:45	An optically-stimulated luminescence (OSL)-derived cryptostratigraphy from the Lake Suigetsu sedimentary profile, Japan: 30,000 – 50,000 cal BP	Richard Staff
14:45 – 15:00	From ice-dammed lake to aeolian dunes in the Store Mosse area, SW Sweden	Helena Alexanderson
15:00 – 15:15	Major dune construction during the Younger Dryas period along the Kankakee River Valley, Midwest USA: optically stimulated luminescence dating and ground penetrating radar	Xiaodong Miao
15:15 – 15:30	Luminescence dating of young glacial cobbles and sediments; implications for rock surface luminescence dating of glacial landforms	Yang Li
15:30 – 15:45	The single grain K-feldspar luminescence dating of paleolake shorelines of Manas Lake reveals the Late Quaternary glacial melting water forced high stand lake level in arid Central Asia	Xiaoyan Wang

15:45 – 16:15: Coffee

16:15 – 17:45 Session 4, Fundamental investigations III

Chairs: Makaiko Chithambo & Grzegorz Adamiec

16:15 – 16:30	An overview of infra-red photoluminescence: achievements and challenges	Mayank Jain
16:30 – 16:45	Spatially-resolved luminescence behaviour in museum specimens of feldspar: implications for dating rocks and sediments	Joe Winzar
16:45 – 17:00	Exploring TL signal saturation in quartz and feldspar using emission spectrometry	Pontien Niyonzima
17:00 – 17:15	ESR and OSL variability in quartz extracted from magmatic, metamorphic or sedimentary rock	Helene Tissoux
17:15 – 17:30	Are all luminescence thermal kinetic parameters the same?	Chloé Bouscary
17:30 – 17:45	Wavelength-resolved thermo- and radioluminescence of two quartz reference samples	Mauro Fasoli

17:45 – 18:00: Introducing the new LED society

Tuesday, 27th June 2023

08:30 – 10:00 Session 5, Applications in geoscience II

Chairs: Jintang Qin & Julie Durcan

08:30 – 08:45	Using rock surface luminescence and cosmogenic radionuclide measurements to demonstrate recent ice sheet thinning in the West Antarctic Ice Sheet	Nathan Brown
08:45 – 09:00	ESR thermochronometry of rock samples collected into the Tauern Window, Eastern Alps	Valentina Argante
09:00 – 09:15	ESR and OSL-thermochronometry in the Western European Alps	Xiaoxia Wen
09:15 – 09:30	Unravelling rock cooling histories of the Japanese Alps within the past 1 Ma using ESR and OSL thermochronometry	Melanie Bartz
09:30 – 09:45	Bleaching in river valley sediments from the eastern margin of the Last Scandinavian ice sheet	Anna Utkina
09:45 – 10:00	Exploring the multi-faceted potential of luminescence profiling via the portable reader in various fluvial landscapes and depositional environments (NE France)	Gilles Rixhon

10:00 – 10:30: Coffee

10:30 – 12:00 Session 6, Advances in dose determination

Chairs: Alida Timar-Gabor & Michael Meyer

10:30 – 10:45	A Bayesian hierarchical age model for single-grain dating of feldspars	Bo Li
10:45 – 11:00	Development of the pIt-IRSL protocol for dating polymineral fine grains from Chew Bahir, Ethiopia	Nina Ataee
11:00 – 11:15	Testing appropriate quartz OSL and K-feldspar pIR IRSL measurement protocols for dating fluvial sediments from Indonesia	Yuniarti Yuskar
11:15 – 11:30	Surface Exposure Dating Applications using OSL Laser Scanning Measures and Controlled Light Exposed Rock Sampling Techniques	Tristan Bench
11:30 – 11:45	Challenges in US-ESR dating: From irradiation sources to age modelling	Renaud Joannes-Boyau
11:45 – 12:00	Testing the accuracy of single-grain OSL dating on Eemian quartz samples	Frederik Baumgarten

12:00 – 13:30: Lunch

Tuesday, 27th June 2023 (continued)

13:30 – 15:00 Session 7, Instrumentation and Analysis

Chairs: Regina DeWitt & Ed Rhodes

13:30 – 13:45	Chasing snails: automating the processing of EMCCD images of luminescence from opercula	Geoff Duller
13:45 – 14:00	Radiation detection with a Si-based time-pixelated quantum counting/imaging detector: potential for trapped charge dating	Raju Kumar
14:00 – 14:15	Potential of luminescence imaging for screening sensitive or well-bleached rocks	Pavao Andričević
14:15 – 14:30	Calibration of buried NaI(Tl) scintillator detectors for 4 π natural radionuclide measurement based on MCNP modelling	Amalia Chambon
14:30 – 14:45	μ DOSE+: Dose rate measurement system with active shielding boosted by machine learning	Konrad Tudyka
14:45 – 15:00	Analysis of time-resolved optically stimulated signals in the presence of overlapping components or under the influence of shallow traps	Eduardo G. Yukihara

15:00 – 15:30: Coffee

15:30 – 18:00: Poster Session I starting with a rapid-fire round of 2-minute presentations by students

18:00 – 18:30: Remove posters from **Poster Session I** to make room for the posters in **Poster Session II**

Wednesday, 28th June 2023

08:30 – 10:00 Session 8, Fundamental investigations IV

Chairs: Geoff Duller & Mauro Fasoli

08:30 – 08:45	TL characteristics of calcite obtained from terrestrial and marine samples	Barbara Mauz
08:45 – 09:00	Luminescence and mineralogy characteristics of fault-associated carbonates features of Western Sichuan Plateau	Jintang Qin
09:00 – 09:15	Phototransferred thermoluminescence of calcite: Principles, analytical methods and mechanisms	Makaiko Chithambo
09:15 – 09:30	Towards rock surface OSL dating of flint	Lucas Ageby
09:30 – 09:45	Luminescence chronology and thermometry studies of plant opal phytoliths	Joel Spencer
09:45 – 10:00	Low temperature thermochronology using isothermal thermoluminescence signals from calcite	Chang Huang

10:00 – 10:30: Coffee

10:30 – 11:30 Session 9, Archaeology I

Chairs: Bo Li & Luke Gliganic

10:30 – 10:45	Dating the construction of a Late Prehistoric megalithic monument at Cruz de Cepos, NE Portugal	Ian Bailiff
10:45 – 11:00	Towards luminescence rock surface dating of rock engravings at Murujuga, Western Australia	Luke Gliganic
11:00 – 11:15	Rock surface luminescence dating of the burial mound at Saint-Bélec (Finistère) in Western France	Trine Freiesleben
11:15 – 11:30	Optically Stimulated Luminescence dating of the Xujiayao site reveals diversification of hominin lineages during the Penultimate Glacial Period in East Asia	Junyi Ge

11:30 – 12:00: Departure to Roskilde/Risø

12:00 – 18:00: Excursion in Roskilde/Risø

18:00 – 18:30: Bidding & voting for the LED2026 venue

18:30 – 22:45: Conference dinner at Risø Campus. The LED2026 venue will be announced

22:45 – 23:00: Departure to Copenhagen

Thursday, 29th June 2023

08:30 – 09:30 Session 10, Applications in geoscience III

Chairs: Helena Alexanderson & Simon Armitage

08:30 – 08:45	Using single-grain feldspar luminescence to decipher river landscape and sediment dynamics	Anne Guyez
08:45 – 09:00	Single-grain luminescence as a bioturbation tracer in chernozem	Aimin Zhang
09:00 – 09:15	Quantifying ancient bleaching and storage for feldspar single grains	Ed Rhodes
09:15 – 09:30	Isothermal thermoluminescence (ITL) dating of a speleothem from Bleßberg Cave	Junjie Zhang

09:30 – 10:00: Group photo

10:00 – 10:30: Coffee

10:30 – 12:00 Session 11, Archaeology II

Chairs: Mathieu Duval & Sahar al Khasawneh

10:30 – 10:45	Using luminescence dating to establish a window of extinction; the demise of the greatest ape - Gigantopithecus blacki	Kira Westaway
10:45 – 11:00	The first detailed luminescence chronology of the Middle Palaeolithic Khonako sites (Tajikistan)	Amélie Challier
11:00 – 11:15	OSL dating of the Xinmiaozhuang Locality 2 (XMZ2) site in the Nihewan Bainsin, northern China	Yujie Guo
11:15 – 11:30	Geochronological advances in human first arrival date in the Philippines Archipelago (Cagayan valley, Luzon Island)	Jean-Baptiste Lambard
11:30 – 11:45	Looking at different time scales – the conflict between sampling resolution and stratigraphic constraints from a Bayesian perspective	Guillaume Guérin
11:45 – 12:00	The Lower to Middle Paleolithic transition at Tabun Cave (Mount Carmel, Israel): some insights into diagenesis and dose rate variation using IRSL (pIRIR290) dating and infrared spectroscopy	Maïlys Richard

12:00 – 13:30: Lunch

Thursday, 29th June 2023 (Continued)

13:30 – 15:00 Session 12, Applications in geoscience IV

Chairs: Tony Reimann & Tammy Rittenour

13:30 – 13:45	Luminescence ages of offset and unfaulted alluvium along the San Andreas Fault in Southern California	Ayush Joshi
13:45 – 14:00	Luminescence dating of glacial sediments of penultimate glaciation in SE Tibetan Plateau using single grains of K-feldspar	Yantian Xu
14:00 – 14:15	The vertical and lateral erosion rates of Manas River, North Tianshan: insight from luminescence dating of terrace deposits	Jie Chen
14:15 – 14:30	Finding Quaternary Seismogenic Activity via Trapped Charge Dating Methods on Fault Gouges: A Case Study of the Periadriatic Fault System	Erick Prince
14:30 – 14:45	Pace of alluvial river incision constrained by luminescence dating	Kechang Li
14:45 – 15:00	Assessing the timing of the extent of the Laurentide Ice Sheet using optical dating of quartz, Hudson Bay Lowland, Manitoba, Canada	Maria Schaarschmidt

15:00 – 15:30: Coffee

15:30 – 18:00: Poster Session II starting with a rapid-fire round of 2-minute presentations by students

Friday, 30th June 2023

8:30 – 10:00 Session 13, Testing and Validation

Chairs: Christina Neudorf & Jeong-Heon Choi

8:30 – 8:45	Maximising reproducibility in luminescence measurements of rock slices	Helen M. Roberts
8:45 – 9:00	Luminescence vs Biotic dating methods in Late Quaternary stratigraphy	Stefano Andreucci
9:00 – 9:15	Cross-checking the results of radiocarbon dating and optically stimulated luminescence as a tool for the stratigraphic model of fluvio-aeolian succession in the central part of the European Sand Belt	Grzegorz Poręba
9:15 – 9:30	Climate and Neo-Tectonics Imprints on the Evolution of Late Quaternary Terraces in the Tista River Basin, Darjeeling Sikkim Himalaya	Atul Kumar Singh
9:30 – 9:45	Study of Holocene Soil Erosion on Agricultural Loess Slope using luminescence in conjunction with fallout radioisotopes Cs-137 and Pb-210 _{ex}	Grzegorz Adamiec
9:45 – 10:00	Testing the timing of loess accumulation in western Greenland using joint radiocarbon and luminescence methods	Daniele Sechi

10:00 – 10:30: Coffee

10:30 – 11:15 Session 14, Fundamental investigations V

Chairs: Guillaume Guérin & Andre Sawakuchi

10:30 – 10:45	XLUM: an open data format for the exchange and long-term preservation of luminescence data	Sebastian Kreutzer
10:45 – 11:00	Radiological or nuclear emergency OSL dosimetry using commonplace salt	H. M. S. Alghamdi
11:00 – 11:15	Investigating the low temperature thermoluminescence peak from calcite for monitoring thermal lag	Debra Colarossi

11:15 – 12:00: Discussion chaired by Andrew Murray

12:00 – 13:30: Lunch

13:30 – 14:30: Closing LED2023: student awards, presentation by the new LED society, etc.

14:30 – 15:00: Coffee and see you at LED2026 (if not sooner)

15:00: Departure for field trip

Poster Session I, 27th June 2023

ID	Participant	Abstract title
1	Abi Stone	Exploring dryland dynamics with portable luminescence readers: the good, the bad and the ugly.
2	Agnieszka Szymak	Increasing the reliability of luminescence dating through the internal dose rate determination
3	Alicia Medialdea Utande	Polym mineral fine grains as the alternative to date sedimentary material from New Zealand
4	Alicja Chruścińska	OSL signal components of quartz for the dose range close to saturation
5	Alida Timar-Gabor	Reconstructing dust provenance from quartz OSL and ESR signals: preliminary results on loess from around the world
6	Aline Zinelabedin	Testing the attenuation of light in evaporite-dominated sediments from the Atacama Desert
7	Ana Luísa Rodrigues	Uncovering the dynamics of construction, use and abandonment of Roman military camps in Northwest Iberia through luminescence dating and geochemistry
8	Andrew Murray	A chronology for Holocene sedimentation and landscape dynamics in South-East Central Asia
9	Anna Yang	Application of OSL dating to trace the origin of the megaflood(s) of the Yarlung Tsangpo River
10	Annette Kadereit	Luminescence dating at the loess-palaeosol sections Baix and Collias in the Rhône Rift Valley, southern France, and chronostratigraphic implications
11	Antoine Zink	Luminescence dating of kilns pottery quarter at Paykend (Uzbekistan)
12	Anzhela Vasilieva	Dating the terraces of the Lena River using luminescence
13	Arindam Biswas	Understanding sediment transport using pIRIR signal from feldspar single grain supported by terrestrial cosmogenic radionuclides
14	Atul Kumar Singh	Climate and Neo-Tectonics Imprints on the Evolution of Late Quaternary Terraces in the Tista River Basin, Darjeeling Sikkim Himalaya
15	Belligraham Narzary	Luminescence chronology of neotectonic activity on foothills of the Assam-Bhutan Himalayas: An Insight into Climate-Tectonic Relationship
16	Caio Breda	OSL dating in Quaternary fluvial deposits in the Andes foothills: insights from environmental drivers.
17	Carlos Andrés Ortiz Barrios	OSL sensitivity of quartz as a provenance analysis tool: perspectives from the northern Andes uplift
18	Carlos Arce Chamorro	Des comparisons of Late Pleistocene alluvial deposits on the Coast of Galicia (NW Spain) using BayLum or Analyst-based procedures.
19	Carolina Cruz	Luminescence characteristics of quartz to disentangle sediment provenance in low-contrasting source areas: the case of Eastern Andes of Colombia
20	Chantal Tribolo	Investigating the accuracy and relevance of the pIT protocol
21	Charlie Rex	Investigating the Utility of Optically Stimulated Luminescence to Access Residual Contamination of Pre-treated Diatom Silica
22	Christina Neudorf	The luminescence dating potential of pebbles from pluvial lake beach deposits: Preliminary results from the Great Basin, USA
23	Christoph Schmidt	Zircon luminescence as a geochronological tool for (sub-) recent sediments
24	Christophe Falgueres	ESR/U-series and IRSL dating of Middle Pleistocene site of Lunel Viel (LV I), Hérault, Southern France
25	Chuanyi Wei	Combined ¹⁴ C, OSL and ESR dating of representative loess-paleosol sequence from Songnen Plain, Northeast China

Poster Session I, 27th June 2023

ID	Participant	Abstract title
26	Chun-Ru Liu	Geochronology of multiple dating methods on quaternary drilling hole: a case study from Shinaimiao core in the transition zone from the eastern foothills of the Taihang Mountain to the North China Plain
27	Chun-Xin Wang	The De underestimation caused by recuperation of heated quartz extracted from volcanically-baked clay and correction strategies
28	Daniel Richter	Recent developments from Freiberg Instruments
29	Daniela Constantin	Luminescence and ESR characterisation of granite source rocks and the derived sediments
30	Daniela Mueller	Luminescence dating of Pleistocene pro-glacial deposits from northern Switzerland
31	Dayane Melo	Precipitation changes over the last 30,000 years over La Plata basin based on quartz luminescence sensitivity
32	Dimitri Vandenberghe	The Brabant Member at Romont quarry (East Belgium): new luminescence ages based on quartz and feldspar
33	Dirk Mittelstraß	Signal component analysis of IR-RF decay curves of K-feldspars
34	Dominik Brill	Luminescence-based chronology and transport dynamics of tsunami backwash deposits from the shelf of Portugal
35	Emma Krolczyk	Using Single-Grain OSL of Anthropogenically Placed Rocks to Determine Headward Gully Migration in Wyoming, USA
36	Eslem Ben Arous	An extensive ESR-OSL dating comparison on coastal dune deposits from the Wilderness-Knysna area (South Africa)
37	Fabiano Pupim	Quartz luminescence sensitivity applied as a provenance tool of fluvial sediments from cratonic sources
38	Fayçal Kharfi	Algerian Islamic ceramics TL dating and origins identification
39	Fei Han	Dating the northernmost evidence of Gigantopithecus by combined ESR and U-series method
40	Furong Cui	Attenuation of daylight in different rocks and its influence on the detrapping rate
41	Galina Faershtein	A safe procedure for HF etching as part of sample preparation for luminescence dating
42	Gang Hu	Fluvial downcutting and its influence on human activities in the middle reach of the Lancang River during the late Holocene
43	Georgina King	Borehole calibration of ESR thermochronometry
44	Gillian Stephan	OSL and radiocarbon-based chronology of sand-drift events on Beniguet island (W France)
45	Gongming Yin	Preliminary ESR dating results for fault barite: Insights into the history of faulting recorded by barite in basalt bedrock of the Li-jiang–Xiaojinhe Fault, southeastern Tibetan Plateau
46	Guiming Hu	The Optically Stimulated Luminescence dating of centennial-millennial paleoseismic events along the middle section of the Altyn Tagh fault, China
47	Guoshan Li	Luminescence chronology for the first terrace of the Pearl River in the Baise Basin, South China
48	Gustav Firla	Dating glacial sediments from drill-cores with single grain pIRIR luminescence methods.
49	Gwynlyn Buchanan	Investigating the characteristics of post-IR yellow stimulated luminescence

Poster Session I, 27th June 2023

ID	Participant	Abstract title
50	György Sipos	Spatial and temporal differences of quartz luminescence sensitivity in the fine grain fraction of loess and fluvial deposits in the Danube Basin
51	Hao Ji	Evaluating the signal bleaching degree of the Al and Ti-Li signals in quartz of fluvio-lacustrine sediments and the chronology of volcanic eruption in Datong, North China
52	Hao Long	Single-grain K-feldspar luminescence dating of late Quaternary lake expansion over the Tibetan Plateau
53	Hua Tu	Luminescence chronology of aeolian sands in east Guangdong of the coastal South China Sea
54	Huili Yang	OSL dating millennium volcanic eruption and baked sediments from Changbaishan, China
55	Hyo-Jeong Weon	Dating fault rocks using optically stimulated luminescence and ESR signals: Can OSL and ESR signals be reset by faulting?
56	Hyun Ho Yoon	A chronology of Holocene barriers in the East Sea of Korea: Luminescence dating of sandy sediments
57	Isabel Hernando-Alonso	ESR chronology of interior facies of Galería complex (Zarpazos-Galería-Tres simas)
58	Jakob Wallinga	Landscape dynamics enlightened by feldspar single-grain luminescence
59	Jan-Pieter Buylaert	A detailed luminescence dating study of the loess-palaeosol sequence at Kuldara, Khovaling Loess Plateau, Tajikistan
60	Jeong-Heon Choi	Luminescence exposure dating of a collapsed Buddha statue informs palaeoseismology
61	Jilei Yang	Single grain pIRIR dating of glacial sediments in the Yuzhu Peak area of Kunlun Mountains of Tibetan Plateau revealed the transgression and regression of glaciers during Holocene period
62	Jin Cheul Kim	Optically stimulated luminescence dating of coastal sediments from southwestern Korea: some discontinuities with concentrated organic layer
63	Jingran Zhang	Luminescence dating reveals glacial paced ancient dammed lakes formation and outburst along the Yarlung Tsangbo
64	Jitumani Kalita	Study of trap distribution in SrAl ₁₄ O ₂₅ :Eu ²⁺ , Dy ³⁺ – a persistent luminescent phosphor
65	Jorge Sanjurjo Sánchez	OSL dating of very young aeolian sediments of NW Spain to assess dune erosion due to sea level changes
66	Jose Luis Antinao	Temporal and spatial variability of luminescence properties of MIS6 and MIS2 glacial sediments derived from the Laurentide Ice Sheet, Indiana, USA
67	Jungyu Choi	How variable bleaching of single-grain low-temperature pIRIR signals impacts age estimation
68	Karissa Cordero	Cooling age estimates for hydrothermal explosions in Yellowstone National Park
69	Kartika Goswami	Applying luminescence signals to trace sedimentary provenance
70	Kathleen Rodrigues	New luminescence age estimates for the Soda Lake maar eruption (Nevada, USA)

Poster Session I, 27th June 2023

ID	Participant	Abstract title
71	Kiriha Tanaka	Potential for ESR Signal Zeroing of the E ₁ ' center by Experimental Fault Slips
72	Kristina Thomsen	Preliminary optically stimulated luminescence ages for the archeological site of Gatzarria, France
73	Kunmei Yang	Luminescence dating of cobbles buried in moraine deposits from the source area of Litang River, eastern Tibetan Plateau
74	Laura Panzeri	Towards the determination of an absolute chronology by rock surface and sediment OSL dating of the pre-ceramic Tumshukaiko monumental site in the north-central Andes of Peru.
75	Lee Arnold	Single-grain OSL and U-series/ESR dating of the early Upper Palaeolithic sedimentary sequence at Lagar Velho Rock Shelter
76	Laura Kögler	Middle–Late Pleistocene fluvial landscape evolution in the Granada Geopark: Application of a challenging pIRIR dating approach

Poster Session II, 29th June 2023

ID	Participant	Abstract title
77	Linda Maßon	Testing the applicability of standardised growth curves (SGC) for single-grain pIRIR measurements of chemically heterogenous feldspars from the Atacama Desert, Chile.
78	Liping Zhou	Towards an optimal protocol for dating lacustrine-aeolian sandy deposits at Jiufangtai Section in the Salawusu River Valley of the Mu Us Desert, China
79	Loïc Martin	Towards improving Luminescence Rock Surface Dating through imaging methods
80	Louise Karman-Besson	Alongstream single-grain luminescence signal along a pluvio-metric gradient in Chile: A preliminary dataset
81	Maciej Gosek	Dose rate measurements with correlated U, Th and K uncertainties using full NaI gamma spectrum analysis
82	Madhurima Marik	Luminescence dating of large clast rock surfaces buried in glaciofluvial sediments of the southern Upper Rhine Graben
83	Magdalena Biernacka	OSL medium component in quartz observed using the TM-OSL method
84	Manabu Ogata	Reconstructing the thermal structure of shallow crust using OSL-thermometry of K-feldspar from deep borehole core: case studies in the Japanese Islands
85	Manchen Huang	Combined ESR and U-series dating of a Paleolithic-Neolithic transition site - Naminan cave, China
86	Mariia Iakovleva	Luminescence dating the glacial history of the Pamir Mountains (Central Asia)
87	Marine Frouin	A synchrotron study of the defects associated with the principal trap in feldspar
88	Mariya Lukyanycheva	Luminescence dating of the Diring Yuriakh Early Palaeolithic site (North-Eastern Siberia)
89	Mark Bateman	Dating sediments from problematic glacial contexts
90	Martin Ntwaeaborwa	Optimization of the electron transport layer in quantum dots light emitting diodes by co-doping ZnO with gallium and magne-sium
91	Martina Demuro	Extended-range luminescence and ESR dating of Iberian fluvial terraces (Duero and Guadiana basins) associated with the Lower Palaeolithic sites of La Maya I, II, Burganes and Albalá (west-central Spain)
92	Mary Evans	Luminescence ages of the ceramics from the Urewe and Kalundu Traditions, Lydenburg Heads site, Mpumalanga, South Africa
93	Maryam Heydari	Employing luminescence dating to decipher the timing of past earthquakes through faulted colluvium and fault gouge at the North Tehran fault zone
94	Masashi Takada	Sensitivity changes and fading behaviors of luminescence signals from various geological materials
95	Mathieu Duval	Dating the earliest evidence of human presence in western Europe: New results from Pirro Nord (Italy)
96	Michael Meyer	The Python time machine – an open source software application for luminescence-based rock surface dating
97	Miren Del Val	Evaluating the impact of sediment sample size and heterogeneity on High Resolution Gamma Spectrometry
98	Miriam Saleh	A unique case of vitrified forts from Italy: TL dating with "Pre-bleach with blue LEDs" protocol.
99	Myungho Kook	Optical bleaching in the luminescence reader using an LED based solar simulator

Poster Session II, 29th June 2023

ID	Participant	Abstract title
100	Naoya Obata	Thermal stabilities and sensitivities to dose of the low and high temperature components of ESR signals in quartz.
101	Nasrin Karimi Moayed	Optical dating of post-1930 CE charcoal kilns remains: a test of accuracy
102	Natalia Taratunina	Chronology of Late Quaternary permafrost events in the Lower Volga region (Northern Caspian Lowland)
103	Neda Rahimzadeh	Dating the Neanderthal environment: Detailed luminescence chronology of a palaeochannel sediment core at the palaeolithic site of Lichtenberg in the Lower Saxony, northern Germany
104	Nicolas Brot	When the sediment can't be correctly dated: the case study of the archeological site Toca dos Coqueiros (Piauí, Brazil).
105	Olivier Tombret	ESR/U-series dating of palaeontological remains from the Neandertalian site of Mutzig-Rain (Alsace, France)
106	Paul Hanson	Luminescence Dating and Alluvial History of the Platte River Valley Fill, Nebraska, USA
107	Penghui Lin	OSL and radiocarbon dating of core SXG06 from Dongguan in the Pearl River Delta
108	Pierre Voinchet	Middle Loire Valley settlement: first chronology using ESR on quartz grains
109	Priscila Emerich Souza	Investigating the quartz relative fast OSL component sensitivity from test- and regenerative-dose signals over SAR cycles
110	Qinjin Shen	Late Quaternary sedimentation history of the alpine Damqu Wetland in the Yangtze River headwater in Tibetan Plateau by luminescence dating
111	Qiuyue Zhao	Multi-step post-IR IRSL dating and paleoclimate implications since penultimate interglacial palaeosol in the Central Shandong Mountains, eastern Chinese Loess Plateau
112	Rabiul H. Biswas	Towards accurate modelling of OSL rock surface exposure dating
113	Rachel Haupt	How old are the coastal dune deposits and shell middens on the West Coast near Yzerfontein, Western Cape, South Africa?
114	Redzhep Kurbanov	Dating the Middle and Late Quaternary Caspian Sea-level fluctuations: first luminescence data from the coast of Turkmenistan
115	Ruonan Tian	Holocene lake formation, Yellow River migration and neolithic human activity revealed by OSL and radiocarbon ages of cores from the North China Plain
116	Sahar al Khasawneh	Investigating Luminescence-depth profiles of rocks with different lithologies
117	Salome Oehler	Approaching Last Glacial Maximum to Holocene continental surface air temperature reconstruction using thermoluminescence paleothermometry
118	Sarah Schaffer	Constraining extreme fluvial discharge events using a combination of classical and EMCCD-based rock surface dating-techniques.
119	Sebastien Huot	Measurements of uranium, thorium, and potassium as an inter-laboratory comparison: it takes two to tango!
120	Seok-Jin Kim	Quartz OSL and K-feldspar IRSL dating of terrestrial sediments in Quaternary movement sections along the Yangsan and Ulsan faults, southeastern part of the Korean peninsula
121	Shannon Mahan	Age Reassignment Using Luminescence Dating for The Mammoth Site, Black Hills, South Dakota, USA
122	Sheng-Hua Li	Photoluminescence study of different types of single crystal feldspars and the implications to PL dating using a Raman system
123	Shengli Yang	Luminescence chronology of the Jinchuan loess-paleosol sequence at the Western Sichuan Plateau, China

Poster Session II, 29th June 2023

ID	Participant	Abstract title
124	Shuangwen Yi	New chronological results of Paleolithic in the Chaohu Lake Region and its implications for the early Hominin occupation in south China
125	Shugang Kang	Luminescence dating of sandy loess along the middle Yellow River and its implications for the interactions between aeolian and fluvial processes
126	Simon Armitage	Environmental dose rate calculation for deep ocean sediments: Measure, model or guess?
127	Sumiko Tsukamoto	Resetting of quartz OSL signal from fault gouges by the 1891 Nobi Earthquake
128	Tammy Rittenour	Wildfire exposure recorded in quartz luminescence sensitivity
129	Thais Silva	OSL and TL sensitivity measured in marine and fluvial sediments from the São Francisco River basin, eastern Brazil
130	Thays Desiree Mineli	Quartz standardized growth curve for optically stimulated luminescence dating: case study from Amazonian fluvial deposits, Brazil
131	Thomas Kolb	Feldspar, fading and correction: A systematic investigation of parameters influencing the performance of fading correction techniques
132	Toru Tamura	Sediment transport revealed by residual doses of modern K-feldspar sands in the Kujukuri coast, central Japan
133	Virginia Martínez-Pillado	New Electron Spin Resonance, Luminescence and Aspartic Acid Racemization dating results for the Pleistocene sedimentary infill of Cueva Mayor (Atapuerca, N Spain)
134	Warren Thompson	Direct dating of an ancient stone causeway at Bjæverskov, Sjælland, Denmark: A combined approach using rock surface burial luminescence dating of granitic cobbles and coarse grains from disaggregated heated rocks.
135	Weitao Yuan	Luminescence Chronology for DZK01 Core from Shandong peninsula of the coastal Bohai Sea in China
136	Xianjiao Ou	What is the true age? Complicated transport history revealed by luminescence dating of multiple buried cobbles
137	Xiao Fu	High-resolution OSL dating of loess in the Gonghe Basin, north-eastern Tibetan Plateau
138	Xiaomei Nian	Transgressive-regressive cycles in the Yangtze River Delta since the penultimate glaciation
139	Xue Rui	Testing the upper limit of luminescence dating based on single-grain (SG) standardised growth curve (SGC) for pIRIR signals of K-feldspar grains from Nihewan Basin, northern China
140	Yali Zhou	OSL dating for the oldest aeolian sand in the Otindag sandland, China
141	Yan Li	Timing of fluvial-lacustrine sedimentation in the North China Plain since the late Pleistocene by multiple luminescence dating approaches
142	Yang Ou	Late Quaternary stratigraphic reconstruction based on OSL and radiocarbon dating of core sediments in the North Yellow Sea
143	Yeong-Min Hong	Formation history of marine terraces in the southeastern coast of Korea during the late Quaternary revealed by quartz OSL dating of marine and colluvial sediments in Nulchado island
144	Ying Wang	Quartz OSL and K-feldspar pIRIR dating of young nebkhas from semi-arid dune fields in northern China
145	Yinjun Zhou	OSL chronology of fluvial aggradation and incision in the source area of the Mekong River in Tibetan Plateau since Late Pleistocene
146	Yiwei Chen	OSL dating of fluvial and lacustrine sediment in Ranwu Lake, Southeastern Tibet
147	Yougui Song	Ages of Central Asian loess and their implications for dust sedimentation

Poster Session II, 29th June 2023

ID	Participant	Abstract title
148	Yuxin Liu	Comparison of OSL and radiocarbon dating on core LFZK06 from Lufeng of the coastal South China Sea
149	Yuxuan Du	Luminescent chronology of coastal sedimentary strata in Northern Jiangsu Basin over the last 350,000 years
150	Yuye Feng	Application of single-grain pIRIR dating to beach ridges deposition from the inner Tibetan Plateau
151	Zhaojing Ding	Luminescence dating of playa sediments from the Qaidam Basin in the Tibetan Plateau using both Quartz and K-feldspar
152	Zhixiong Shen	Quartz OSL of a Category 5 hurricane washover deposits sufficiently bleached
153	Zhongbo Wang	OSL and radiocarbon dating of a borehole from the East China Sea shelf and implications for regional stratigraphic correlation
154	Zhongping Lai	Luminescence chronology of core JNZK1 from Jinan in the middle Yellow River Plain
155	Zuzanna Kabacińska	The effects of transport on ESR and OSL properties of quartz: a case study in an area with a simple granitic lithology