



# LED2021 Programme

13<sup>th</sup> – 17<sup>th</sup> September 2021

International Scientific Organizing Committee

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Conference Website: [led2021.org](https://led2021.org)

# CONFERENCE PROGRAMME

Sunday 12th September: 13:00 UTC - Icebreaker event in GatherTown and Zoom

Time (UTC):		13:00 to 13:45		14:15 to 15:00		15:30 to 16:15	
Day		Block A 45 minutes	30 mins	Block B 45 minutes	30 mins	Block C 45 minutes	
Mon. 13 <sup>th</sup> Sept	12:50: Opening of conference and welcome	<b>Session 1:</b> Luminescence and ESR analysis of quartz and other materials	Coffee break	<b>Session 2:</b> Insights into feldspar luminescence processes	Coffee break	Poster Session For sessions 1 to 6 (GatherTown)	
Tues. 14 <sup>th</sup> Sept		<b>Session 3:</b> Advances in measurement protocols	Coffee break	<b>Session 4:</b> Advances in instrumentation and dose rate determination	Coffee break	<b>Session 5:</b> Luminescence dating of rocks and glacial sediments	
Wed. 15 <sup>th</sup> Sept		<b>Session 6:</b> Luminescence and ESR dating of marine, fluvial and lacustrine sediments	Coffee break	<b>Session 7:</b> Advances and applications in archaeology and palaeontology	Coffee break	Conference Business Meeting and Presentation of Working Group for establishing an LED society	
Thu. 16 <sup>th</sup> Sept		<b>Session 8:</b> Evaluating luminescence and ESR methods in archaeological and geological contexts	Coffee break	<b>Session 9:</b> Exploring age models and extending the age range	Coffee break	Poster Session For sessions 7 to 12 (GatherTown)	
Fri. 17 <sup>th</sup> Sept		<b>Session 10:</b> Provenance Studies and patterns of sensitivity change	Coffee break	<b>Session 11:</b> Novel applications of luminescence and ESR: Part 1	Coffee break	<b>Session 12:</b> Novel applications of luminescence and ESR: Part 2	Closing of the conference

# LIST OF SESSIONS (+ Zoom Links)

Password for all Zoom links is “led2021”

Session Number	Title	Discussion Time	Zoom Link for Session
1	<a href="#">Luminescence and ESR analysis of quartz and other materials</a>	13 <sup>th</sup> Sept 13:00 UTC	<a href="#">Click here to start Zoom session 1</a>
2	<a href="#">Insights into feldspar luminescence processes</a>	13 <sup>th</sup> Sept 14:15 UTC	<a href="#">Click here to start Zoom session 2</a>
3	<a href="#">Advances in measurement protocols</a>	14 <sup>th</sup> Sept 13:00 UTC	<a href="#">Click here to start Zoom session 3</a>
4	<a href="#">Advances in instrumentation and dose rate determination</a>	14 <sup>th</sup> Sept 14:15 UTC	<a href="#">Click here to start Zoom session 4</a>
5	<a href="#">Luminescence dating of rocks and glacial sediments</a>	14 <sup>th</sup> Sept 15:30 UTC	<a href="#">Click here to start Zoom session 5</a>
6	<a href="#">Luminescence and ESR dating of marine, fluvial and lacustrine sediments</a>	15 <sup>th</sup> Sept 13:00 UTC	<a href="#">Click here to start Zoom session 6</a>
7	<a href="#">Advances and applications in archaeology and palaeontology</a>	15 <sup>th</sup> Sept 14:15 UTC	<a href="#">Click here to start Zoom session 7</a>
	Conference Business meeting	15 <sup>th</sup> Sept 15:30 UTC	<a href="#">Click here to start Zoom</a>
8	<a href="#">Evaluating luminescence and ESR methods in archaeological and geological contexts</a>	16 <sup>th</sup> Sept 13:00 UTC	<a href="#">Click here to start Zoom session 8</a>
9	<a href="#">Exploring age models and extending the age range</a>	16 <sup>th</sup> Sept 14:15 UTC	<a href="#">Click here to start Zoom session 9</a>
10	<a href="#">Provenance Studies and patterns of sensitivity change</a>	17 <sup>th</sup> Sept 13:00 UTC	<a href="#">Click here to start Zoom session 10</a>
11	<a href="#">Novel applications of luminescence and ESR: Part 1</a>	17 <sup>th</sup> Sept 14:15 UTC	<a href="#">Click here to start Zoom session 11</a>
12	<a href="#">Novel applications of luminescence and ESR: Part 2</a>	17 <sup>th</sup> Sept 15:30 UTC	<a href="#">Click here to start Zoom session 12</a>

Full details of all oral and poster presentations in each session are given in the following pages. You can access the online programme for any session by clicking on the name of the session above. In the list of presentations in the following pages you can see the talk or poster by clicking on the word “View” on the right hand side of the page (NB: you must be logged into the LED2021 website to access the programme, talks and posters).

## Session 1: Luminescence and ESR analysis of quartz and other materials

Chair : Georgina King

Co-chair: Mathieu Duval

### Oral Presentations

*Discussion Time: Monday 13<sup>th</sup> Sept 13:00 UTC*

	<b>Presenter</b>	<b>Title</b>	<b>Link</b>
1	Naoya Obata	Thermal stability of the ESR signals in quartz of various origin	<a href="#">View</a>
2	Grzegorz Adamiec	EMCCD in quartz single grain research	<a href="#">View</a>
3	Trine Freiesleben	Non-first-order kinetic models in rock surface dating	<a href="#">View</a>
4	Kathleen Rodrigues	Exploring the use of luminescence techniques for dating volcanic glasses	<a href="#">View</a>
5	Hao Ji	A preliminary study on the ESR signals characteristics of recrystallized carbonate in southwest China	<a href="#">View</a>
6	Morthekai P	Luminescence dating of diatoms: an attempt	<a href="#">View</a>

### Poster Presentations

*Poster Session: Monday 13<sup>th</sup> Sept 15:30 UTC*

	<b>Presenter</b>	<b>Title</b>	<b>Link</b>
1	Rafael Cogollo Pitalua	Thermoluminescence of aquamarine	<a href="#">View</a>
2	Efstathios Tsoutsoumanos	Dependence of the LM-OSL peak shape on trap filling and trap emptying - Comparison with TL	<a href="#">View</a>
3	Pavlos Konstantinidis	Recombination pathways in a BeO yielding two main dosimetric TL peaks	<a href="#">View</a>
4	Damilola Folley	Phototransferred thermoluminescence of topaz	<a href="#">View</a>
5	Isogai Shusuke	Thermal stability of radiation-induced organic radicals in chibaite	<a href="#">View</a>
6	Jessica Mosqueira	Thermoluminescence and defect studies of SrAl <sub>2</sub> O <sub>4</sub> phosphor synthesized by solid state reaction method	<a href="#">View</a>
7	Bokang Khabo	Influence of argon ion implantation on the thermoluminescence properties of aluminium oxide	<a href="#">View</a>
8	Aaron Joel Lontsi Sob	Thermally Assisted Optically Stimulated Luminescence of $\alpha$ -Al <sub>2</sub> O <sub>3</sub> :C,Mg	<a href="#">View</a>
9	Omar D. Gutierrez	Kinetic analysis of the main peak of the thermoluminescent glow curve of $\alpha$ -Al <sub>2</sub> O <sub>3</sub>	<a href="#">View</a>
10	Julie Durcan	Investigating quartz OSL signal characteristics using EMCCD imaging	<a href="#">View</a>
11	Alicja Chruscinska	A systematic multi-technique comparison of two reference quartz samples	<a href="#">View</a>
12	Zhengye Xiong	Thermoluminescence of natural quartz grains beside Huguangyan Maar Lake	<a href="#">View</a>
13	Rogério Baria	The functionalization of the quartz surface: A new proposal to stabilize the E'1 center and ESR dating of marine sediment	<a href="#">View</a>
14	Chunru Liu	Radiation sensitivity characteristics of quartz ESR signals under high temperature baking by volcanic lava flow: Example of Datong China	<a href="#">View</a>
15	Pierre Voinchet	Influence of feldspar aluminum centre in feldspar/quartz mixture and its consequences on the optical bleaching ESR dating of quaternary sediments	<a href="#">View</a>

## Session 2: Insights into feldspar luminescence processes

Chair : Michel Lamothe

Co-chair: Geoff Duller

### *Oral Presentations*

*Discussion Time: Monday 13<sup>th</sup> Sept 14:15 UTC*

	<b>Presenter</b>	<b>Title</b>	<b>Link</b>
1	Scott Fitzgerald	Using Infra-Red Stimulated Luminescence and Phototransferred Thermoluminescence to Investigate Electron Trapping and Charge Transport in Feldspars	<a href="#">View</a>
2	Vasilis Pagonis	Standardizing the computerized analysis and modeling of luminescence phenomena: new open-access codes in R and Python	<a href="#">View</a>
3	Monika Devi	TL and OSL trap correlation studies to understand the luminescence mechanism in feldspar	<a href="#">View</a>
4	Svenja Riedesel	Time-resolved analysis of blue and yellow-green IRSL emissions - Insights into charge recombination and radiative relaxation in chemically and structurally different alkali feldspars	<a href="#">View</a>
5	Mayank Jain	Exploring the potential of green light excitation for measurement of infrared photoluminescence	<a href="#">View</a>
6	Melanie Bartz	Does chemical weathering change luminescence of feldspar?	<a href="#">View</a>

### *Poster Presentations*

*Poster Session: Monday 13<sup>th</sup> Sept 15:30 UTC*

	<b>Presenter</b>	<b>Title</b>	<b>Link</b>
1	Georgios S. Polymeris	Athermal fading studies in thermoluminescence signal of 10 different K-feldspar samples; fading rate versus TL glow curve temperature analysis and correlation to structural state characteristics	<a href="#">View</a>
2	Markus Fuchs	Further investigations on infrared-radiofluorescence (IR-RF) emissions	<a href="#">View</a>
3	J.M. Kalita	Thermally assisted-optically stimulated luminescence from deep electron traps in microcline	<a href="#">View</a>
4	Marine Frouin	Further investigations into IR-RF and IR-PL	<a href="#">View</a>
5	Geoff Duller	Imaging single grains of feldspar: luminescence variability and implications for dating	<a href="#">View</a>

### Session 3: Advances in measurement protocols

Chair : Kristina Thomsen

Co-chair: Christoph Schmidt

*Oral Presentations*

*Discussion Time: Tuesday 14<sup>th</sup> Sept 13:00 UTC*

	<b>Presenter</b>	<b>Title</b>	<b>Link</b>
1	Naveen Chauhan	A Revised Protocol for Violet Stimulated Luminescence (VSL) Dating to Extend the Dating Range using Quartz	<a href="#">View</a>
2	Neda Rahimzadeh	A comparative study of sand- and silt-sized quartz fractions for MAR-VSL dating using loess-palaeosol deposits in southern Germany	<a href="#">View</a>
3	Michel Lamothe	Post-isothermal method for circumventing anomalous fading: testing the protocol for Holocene to Mid-Pleistocene well-dated sediments.	<a href="#">View</a>
4	Helen M. Roberts	Determination of equivalent dose from mixed mineralogy samples without heating: implications for portable field instruments	<a href="#">View</a>
5	Gwynlyn Reinette Buchanan	Testing the limits of infrared radiofluorescence dating: investigating the bleaching duration and temperature parameters on the Luochuan Loess sequence, Chinese Loess	<a href="#">View</a>
6	A. K. Singhvi	How robust are SAR single grain paleodoses: the role of sensitivity changes ?	<a href="#">View</a>

*Poster Presentations*

*Poster Session: Monday 13<sup>th</sup> Sept 15:30 UTC*

	<b>Presenter</b>	<b>Title</b>	<b>Link</b>
1	Antoine Zink	Can we automate TL MAAD analysis?	<a href="#">View</a>
2	Maryam Heydari	Bayesian data analysis for spatially resolved luminescence measurements	<a href="#">View</a>
3	Thomas Kolb	Testing the potential of a standardized growth curve approach for improving the reliability and applicability of fading correction	<a href="#">View</a>
4	Tobias Lauer	Yellow stimulation of feldspar at low temperatures – testing a new dating approach	<a href="#">View</a>
5	Elizabeth Chamberlain	A case against subtracting a laboratory residual dose for feldspar single-grain luminescence dating	<a href="#">View</a>
6	Junjie Zhang	A simplified multiple-aliquot protocol to extend the dating limit of K-feldspar pIRIR signal to 600 ka	<a href="#">View</a>
7	Andrew Ivester	An approach to test for IRSR full bleaching on deposition: The 3ET method	<a href="#">View</a>
8	Nina Ataee	Isolating a VSL signal suitable for dating: investigating different thermal pretreatments and signal integration limits	<a href="#">View</a>
9	Pontien Niyonzima	Testing the potential of quartz violet stimulated luminescence for dating of Brazilian fluvial sediments	<a href="#">View</a>
10	Alicia Medialdea	VSL as a tool for extending the age range: suitability of the SAR protocol up to 400 Gy	<a href="#">View</a>
11	Prachita Arora	Testing the applicability of VSL, TT-OSL and TT-VSL on modern sediments	<a href="#">View</a>
12	Alan Cresswell	Quartz Age Extension Applied to SE Asian Cover Sands	<a href="#">View</a>
13	Piotr Palczewski	SAR TM-OSL protocol - tests of the suitability of the technique for dating sediments	<a href="#">View</a>
14	Shin Toyoda	ESR dating of sea-floor hydrothermal barite: use of the regenerative dose protocol	<a href="#">View</a>
15	Verónica Guilarte	ESR dating of Quartz using different measurement temperatures: performance evaluation of different cryogenic systems based on He and N <sub>2</sub> and their influence on dose	<a href="#">View</a>
16	Amber Hood	The minimum extraction technique: an update on methodological developments	<a href="#">View</a>
17	Maria Jesus Alonso	In which extent exothermic reactions during sample preparation may impact luminescence and ESR signals measured in quartz?	<a href="#">View</a>
18	Gloria I. López	Heat and Cold Stress on OSL samples: A word of caution regarding field and lab extreme conditions	<a href="#">View</a>
19	Atul Kumar Singh	A new and effective method for quartz-feldspar separation for OSL dating	<a href="#">View</a>
20	Sam Woor	Improving the effectiveness of heavy liquid density separation in isolating K-feldspar grains using alluvial sediments from the Hajar Mountains, Oman	<a href="#">View</a>
21	Konstantina Prevezanou	Implementation of expressions based on Lambert-W function in deconvolution and dose response phenomena using Python	<a href="#">View</a>

## Session 4: Advances in instrumentation and dose rate determination

Chair : Norbert Mercier

Co-chair: Grzegorz Adamiec

### *Oral Presentations*

*Discussion Time: Tuesday 14<sup>th</sup> Sept 14:15 UTC*

	<b>Presenter</b>	<b>Title</b>	<b>Link</b>
1	Elaine Sellwood	Equivalent dose determination using spatially resolved IRPL and IRSL	<a href="#">View</a>
2	Matt Gunn	Optimisation of signal discrimination for measurement of the dose dependent IRPL signal in feldspar	<a href="#">View</a>
3	Emmanuel Osunkwor	Microscopic variations in sediment dose rate: Comparison of measured and modelled dose distributions	<a href="#">View</a>
4	Daniel Richter	Comparison of beta dose rates derived from Risø and LexCal calibration quartzes	<a href="#">View</a>
5	Reza Sohbat	Towards spatially resolved dose rate determination: imaging alpha particles	<a href="#">View</a>
6	Loic Martin	Advancing dosimetry for Dating Environmental Materials (ADDEM)	<a href="#">View</a>

### *Poster Presentations*

*Poster Session: Monday 13<sup>th</sup> Sept 15:30 UTC*

	<b>Presenter</b>	<b>Title</b>	<b>Link</b>
1	Myungho Kook	Field screening instruments for rock surface dating	<a href="#">View</a>
2	Martin Autzen	Re-evaluating the gamma dose to Risø Calibration Quartz using both <sup>60</sup> Co and <sup>137</sup> Cs irradiations	<a href="#">View</a>
3	Christopher Garcia	X-ray and laser calibration of the spatially resolved luminescence instrument LuCIDD	<a href="#">View</a>
4	Simon Armitage	A pragmatic approach to using X-ray irradiation in optically stimulated luminescence measurements on quartz using the single aliquot regenerative dose (SAR) method	<a href="#">View</a>
5	Kay Dornich	Recent developments for lexsyg luminescence readers from Freiberg Instruments	<a href="#">View</a>
6	Sebastien Huot	Measurements of uranium, thorium, and potassium as an inter-laboratory comparison: A New World experience	<a href="#">View</a>
7	Agnieszka Szymak	Dose rate variability in Żabinko dune profile	<a href="#">View</a>
8	Priyanka Singh	An attempt to date contaminating feldspar within quartz	<a href="#">View</a>
9	Brice Lebrun	Improving reproducibility in our disciplines: application in gamma spectrometry	<a href="#">View</a>
10	Vitor Aguiar	Gamma-ray spectra analysis for inhomogeneous and/or out-of-equilibrium sediments	<a href="#">View</a>
11	Dorian Lancelot	Are all natural gamma and beta dose rates equivalent for OSL dating?	<a href="#">View</a>
12	Konrad Tudyka	Preparation of material for uranium decay chain content comparison	<a href="#">View</a>
13	Kumar Raju	OxGamma: a MATLAB based application for gamma spectrum analysis	<a href="#">View</a>

## Session 5: Luminescence dating of rocks and glacial sediments

Chair : Reza Sohbati

Co-chair: Shannon Mahan

### *Oral Presentations*

*Discussion Time: Tuesday 14<sup>th</sup> Sept 15:30 UTC*

<b>Presenter</b>	<b>Title</b>	<b>Link</b>
1 Xianjiao Ou	Rapid assessment of beta dose variation inside cobbles, and implications for rock surface luminescence dating	<a href="#">View</a>
2 Regina DeWitt	OSL dating of cobble surfaces from raised Antarctic beaches: Challenges and results	<a href="#">View</a>
3 Furong Cui	Luminescence dating of buried cobbles from river terraces: a pilot study on using quartz source signal via pulsed stimulation	<a href="#">View</a>
4 Geraint Jenkins	Luminescence dating of cobbles to determine the retreat of the last British-Irish ice sheet	<a href="#">View</a>
5 Christina Neudorf	Investigating the luminescence dating potential of beach pebbles and cobbles associated with the last (~16 ka) pluvial lake highstand in the Great Basin, USA	<a href="#">View</a>
6 Jakob Wallinga	What do feldspar single-grain dose distributions tell us?	<a href="#">View</a>

### *Poster Presentations*

*Poster Session: Monday 13<sup>th</sup> Sept 15:30 UTC*

<b>Presenter</b>	<b>Title</b>	<b>Link</b>
1 Qi Liu	"Up and down" jiggling of alluvial channels: insight from optical dating of buried rock surfaces of cobbles from terrace sequence	<a href="#">View</a>
2 Zhaoning Li	Characteristics of depth profiles of luminescence intensity in modern riverbed boulders and its implications for bed-load transport process: a case study of Shiyang River, China	<a href="#">View</a>
3 Henrik Olesen	Investigating the dependence on excitation wavelength of luminescence bleaching and sensitivity change in rocks	<a href="#">View</a>
4 Stephan Fuhrmann	Evaluating the parameter values of the bleaching-with-depth-model for rock surface exposure dating – an empirical approach	<a href="#">View</a>
5 Daria Semikolennykh	Dating a catastrophic flood in the Altai mountains using Rock Surface Luminescence	<a href="#">View</a>
6 Tristan Bench	Trialling the Use of Controlled Exposure Experiments for Optical Surface Exposure Dating on Quartzite Quarry Surfaces in Washington State	<a href="#">View</a>
7 Felix Martin Hofmann	Challenges in luminescence dating of the last glaciation maximum in the southern Black Forest, Germany	<a href="#">View</a>
8 Daniela Mueller	Luminescence chronology of Middle Pleistocene sediments from the Lower Aare Valley region, northern Switzerland	<a href="#">View</a>
9 Xiaoxia Wen	Deciphering rock cooling histories in the European Alps using OSL and ESR thermochronometry	<a href="#">View</a>
10 Nikolas Krauß	Testing a novel Weichselian ice advance model for the SW Baltic Sea region by new quartz OSL ages from the Jasmund peninsula (Rügen Island)	<a href="#">View</a>
11 Pranshu Bhardwaj	Optical Chronology and Climatic Implication using Equilibrium-Line Altitude of Late Quaternary Glaciations in Nubra Valley, Karakoram Himalaya, India	<a href="#">View</a>
12 Christopher Lüthgens	Using single grains of feldspar for the dating of glaciofluvial sediments – key results from a case study in the Drau glacier area, Austria, for unravelling Alpine chronologies	<a href="#">View</a>

## Session 6: Luminescence and ESR dating of marine, fluvial and lacustrine sediments

Chair : Tammy Rittenour

Co-chair: Tony Reimann

### *Oral Presentations*

*Discussion Time: Wednesday 15<sup>th</sup> Sept 13:00 UTC*

Presenter	Title	Link
1 Xiaomei Nian	Holocene evolution of buried tidal sand body in North Jiangsu Plain of China based on luminescence dating	<a href="#">View</a>
2 Charlie Rex	Controls on luminescence signals in lake sediment cores: a study from Lake Suigetsu, Japan	<a href="#">View</a>
3 Ru xin Liu	Luminescence dating of Late Pleistocene deposits in Hangzhou Bay, China	<a href="#">View</a>
4 Vinícius Ribau Mendes	Luminescence applications in marine sediment cores: challenges and perspectives	<a href="#">View</a>
5 Galina Faershtein	Quartz OSL dating of deep marine sediments from the continental slope offshore Israel	<a href="#">View</a>

### *Poster Presentations*

*Poster Session: Monday 13<sup>th</sup> Sept 15:30 UTC*

Presenter	Title	Link
1 Hongyu Yang	Optical dating of the sinters from lake in the Badain Jaran Desert, Northern China and its implications	<a href="#">View</a>
2 Jürgen Mey	Illuminating the speed of sand – quantifying sediment transport using optically stimulated luminescence	<a href="#">View</a>
3 Anca Avram	Investigation on the luminescence properties of quartz and feldspars extracted from loess in the Canterbury Plains, New Zealand South Island	<a href="#">View</a>
4 Yali Zhou	OSL Dating for the upper reaches terraces of Han River	<a href="#">View</a>
5 Yongsheng Chen	Coarse-and fine-grained quartz OSL dating of Late Pleistocene coastal sediments in northern Bohai Bay, China: A comparison	<a href="#">View</a>
6 Songbaoerbatu Qiaola	Optically-stimulated luminescence dating of Holocene sediment cores from a wave-dominated delta in central Vietnam	<a href="#">View</a>
7 Yuniarti Yuskar	Holocene fluvial dynamics of the Kampar River, Sumatra, Indonesia	<a href="#">View</a>
8 Carlos Arce-Chamorro	Upper Pleistocene chronology for fluvial deposits in the coast of the Ria of Coruña (Galicia, NW Spain) by quartz OSL.	<a href="#">View</a>
9 Lei Gao	Luminescence dating of Late Quaternary sediment from the North Yellow Sea in China	<a href="#">View</a>
10 Gang Hu	Chronology of megaflood sediments in the Jinsha River: implication for luminescence dating of hyperconcentrated flow deposits	<a href="#">View</a>
11 Zhang Shuai	Late Quaternary lake high-stands of Orog Nuur in the southern Mongolian Plateau based on optically stimulated luminescence dating	<a href="#">View</a>
12 Grace Skirrow	Novel applications of luminescence dating to examine the drivers of fluvial change in the Rio Chubut (Argentina, ~42°S).	<a href="#">View</a>
13 Natalia Taratunina	Late Quaternary evolution of lower reaches of Volga River (Raygorod section) based on luminescence dating	<a href="#">View</a>
14 Yuji Ishii	IRSL dating of fluvial terrace deposits along the Ani River, northeastern Japan	<a href="#">View</a>
15 Piotr Moska	OSL chronostratigraphy of the Late Pleistocene fluvio-aeolian succession in central and south-eastern Poland	<a href="#">View</a>
16 Long Huang	Late Quaternary lake level changes of Nam Co and Dawa Co as revealed by OSL dating of paleo-shorelines	<a href="#">View</a>
17 Li Cheng	The Stratigraphic Chronology and its geological significance of the Daju Basin of the Jinsha River	<a href="#">View</a>
18 Xiuying Liu	OSL dating of fluvial terraces along the Beida River: Constraints on tectonic and climatic drivers for fluvial downcutting across the NE Tibetan Plateau margin, China	<a href="#">View</a>
19 Xuemei Wang	Testing the applicability of standardised growth curves (SGCs) for OSL signals of quartz grains from Yangtze Delta, China	<a href="#">View</a>

20 Xue Rui	Luminescence dating of the Huli River terraces in the Nihewan Basin, north China	<a href="#">View</a>
21 Sandeep Panda	Extreme-Paleo Flood Events and Erosional Hotspot of Tsangpo-Siang-Brahmaputra River System	<a href="#">View</a>
22 Sumit Sagwal	Lake-level fluctuations and paleo-salinity of Pangong Tso, Ladakh Himalaya since 3 ka	<a href="#">View</a>
23 Yin Gongming	OSL dating of the lacustrine deposited in broad-valley reaches of the Jinsha River: implications for dammed lake formation	<a href="#">View</a>
24 Xiao Lin Xu	Chronology and formation of the Pearl River delta	<a href="#">View</a>
25 Belligraham Narzary	Luminescence chronology of the Sankosh River terraces in the Assam- Bhutan foothills of the Himalayas: Implications to climate and tectonics	<a href="#">View</a>
26 Zhiru Long	Chronostratigraphic reconsideration of Late Quaternary sedimentation in the Western Bohai Sea by OSL dating	<a href="#">View</a>
27 Yandong Hou	Luminescence dating of shorelines sediments indicating lake-level rise in Selin Co on the central Tibetan plateau during the last deglaciation	<a href="#">View</a>
28 Hao Long	Revisiting the late Quaternary mega-lake in Tengger Desert from western China using K-feldspar luminescence dating	<a href="#">View</a>
29 Min Cao	lake level variations since last deglaciation of Zabuye Salt Lake ,Tibetan Plateau	<a href="#">View</a>
30 Hua Tu	Holocene lake-level history of Taro Co in Tibetan Plateau based on OSL dating of shorelines	<a href="#">View</a>

## Session 7: Advances and applications in archaeology and palaeontology

Chair : Liping Zhou

Co-chair: Daniel Richter

### Oral Presentations

**Discussion Time: Wednesday 15<sup>th</sup> Sept 14:15 UTC**

Presenter	Title	Link
1 Natalia Pawlak	Application of optically stimulated luminescence for dating ancient bricks from the gothic church of St. James in Toruń, Poland	<a href="#">View</a>
2 Ana Luísa Rodrigues	Luminescence dating of pre-historic ditched enclosures from calcite-rich contexts: a new approach to the dose rate estimative	<a href="#">View</a>
3 Elena Tomasi	OSL single-grain and post-IR IRSL pottery dating for an archaeological key-site in the Western Mediterranean Sea – The Case of Iron Age Monte Iato, Sicily	<a href="#">View</a>
4 Carlos Gonzales-Lorenzo	Dating of ancient ceramics from Churajon archaeological site, Arequipa, Peru by TL and EPR techniques	<a href="#">View</a>
5 Michael Hein	Neanderthals of the North: A pIRIR290-chronostratigraphy of the Middle-Palaeolithic sites Lichtenberg I and II, Lower Saxony (GER)	<a href="#">View</a>
6 Mailys Richard	Investigating the effect of diagenesis on ESR dating of Middle Stone Age tooth samples from the open-air site of Lovedale, Free State, South Africa	<a href="#">View</a>

### Poster Presentations

**Poster Session: Thursday 16<sup>th</sup> Sept 15:30 UTC**

Presenter	Title	Link
1 Isabel Hernando-Alonso	ESR chronology of the fluvial sequence of Cueva del Silo (Sierra de Atapuerca, Spain)	<a href="#">View</a>
2 Frederik Baumgarten	Establishing an OSL chronology for Kostenki 17	<a href="#">View</a>
3 Chun-Xin Wang	Quartz OSL/TL-SAR dating and the OSL component characteristic of pottery, burnt clay, and sediment from Beicun archaeological site, China	<a href="#">View</a>
4 James Feathers	Luminescence Dating of Rock Structures in Northeastern United States	<a href="#">View</a>
5 Daichi Haranosono	ESR dating of heated rock fragments excavated from Tsujita site, Kyushu, Japan	<a href="#">View</a>
6 Jinwei Li	The thermoluminescence dating of blue and white porcelain unearthed from Jianshui kiln in Yunnan, China	<a href="#">View</a>
7 Sahar al Khasawneh	Interpretation of Neolithic rubble layers from Ba'ja and Basta sites using Luminescence Dating	<a href="#">View</a>
8 Nasrin Karimi Moayed	A combined OSL and 14C dating study of charcoal production in the sandy environment of Zoersel forest (N Belgium)	<a href="#">View</a>
9 Christophe Falgueres	New ESR/U-series dates of the lowest AYCC levels of Qesem cave	<a href="#">View</a>
10 Mariana Sontag-González	Establishing a pIRIR procedure for the determination of composite mineral grains from volcanic terranes: A case study of sediments from Liang Bua, Indonesia	<a href="#">View</a>
11 Aayush Srivastava	Agricultural terraced landscapes in the Mediterranean: novel discourses around the issue of chronological gaps	<a href="#">View</a>
12 Possum Pincé	Systematic high-sampling resolution OSL dating of a well-preserved river dune in the Lys valley (Sint-Martens-Latem, NW Belgium)	<a href="#">View</a>
13 Christoph Schmidt	Rock surface burial dating of the Nazca Lines, Peru: First results	<a href="#">View</a>
14 Petra Urbanova	Luminescence dating of historical mortars: the sensitivity question	<a href="#">View</a>
15 Mathieu Duval	New numerical age constraints for unit TD1 from Atapuerca Gran Dolina, Spain, based on a combination of ESR and luminescence dating methods	<a href="#">View</a>
16 Davinia Moreno	ESR/U-series chronology of Neandertalian occupation layers at Galería de las Estatuas (Sierra de Atapuerca, Spain)	<a href="#">View</a>
17 Jean-Jacques Bahain	ESR/U-series dating Eemian human occupations of Northern France	<a href="#">View</a>

18 Dimitri Vandenberghe	Optical dating of prehistoric and historic anthropogenic features at Ninove Doorn Noord (East Flanders, Belgium)	<a href="#">View</a>
19 Huarui Lei	Chronology of the Xibaimaying site in the Nihewan Basin, North China, inferred from optical dating on fine quartz	<a href="#">View</a>
20 Sutthikan Khamsiri	Luminescence Dating of Archaeometallurgical Slag from Buriram Province, Northeastern Thailand: The Possibility and Reliability of Dating	<a href="#">View</a>
21 Anne R. Skinner	ESR Dating Ungulate Teeth at Mirosava Cave, Eastern Serbia: Reconstructing Paleoenvironments During Early MIS 3	<a href="#">View</a>
22 Prapawadee Srisunthon	Towards a luminescence chronology of the Lanna ceramic group at Ban Bo Suak archaeological site, northern Thailand, using ceramics, kiln material and burying	<a href="#">View</a>
23 Jin Cheul Kim	Re-evaluation of the chronology of the Palaeolithic site at the Eastern Desert, Sudan, using single grain OSL signals from quartz and K-feldspar	<a href="#">View</a>
24 Jiajing Wang	Luminescence dating of the Shangshangang paleolithic site, Zhejiang Province, China	<a href="#">View</a>
25 Lee Arnold	Examining sediment infill dynamics at Naracoorte Cave megafauna sites using multiple luminescence dating signals	<a href="#">View</a>
26 Jorge Sanjurjo-Sánchez	Luminescence dating by k-feldspars of fluvial sediments of the urban complex of Maranga, Lima (Peru)	<a href="#">View</a>
27 Priya	ESR and OSL dating of fossil deposits from the Naracoorte Cave Complex, South Australia	<a href="#">View</a>
28 Finley Jones	Detection of heating in archaeological sediments from Blombos Cave, South Africa.	<a href="#">View</a>
29 Martina Demuro	New extended-range luminescence chronologies for the Middle Pleistocene units at the Sima del Elefante archaeological site (Sierra de Atapuerca, Spain)	<a href="#">View</a>
30 Junyi Ge	Optical Luminescence and U-Th dating of the Jinniushan site reveals an early occurrence of the archaic human at ~400 ka in East Asia	<a href="#">View</a>
31 Sumiko Tsukamoto	Luminescence Chronology of Fossiliferous Fluvial Sediments in the Middle Atbara River, Sudan	<a href="#">View</a>
32 Debra Colarossi	A needle in a haystack: using targeted drilling with low-resolution dating to identify archaeological sites for excavation	<a href="#">View</a>
33 Nupur Tiwari	Quaternary sediment mixing and chronological reversal in the main Narmada river channel in Sehore district, Madhya Pradesh, India	<a href="#">View</a>
34 Jungyu Choi	Introducing the EARTHWORK project: feldspar single-grain pIRIR luminescence dating of earthworks in the Netherlands	<a href="#">View</a>
35 Ninon Taffin	The Palaeolithic occupations of the Central Aegean (Stelida, Naxos island, Greece) highlighted by single-grain IRSL dating	<a href="#">View</a>
36 Richard Lewis	Single-grain OSL and extended-range luminescence dating of late to middle Pleistocene faunal assemblages from tropical eastern Australia	<a href="#">View</a>
37 Daria Khashchevskaya	First luminescence chronology of the initial Upper Palaeolithic of Eastern Kazakhstan (Ushbulak site)	<a href="#">View</a>

## Session 8: Evaluating luminescence and ESR methods in archaeological and geological contexts

Chair : Simon Armitage

Co-chair: Jan-Pieter Buylaert

### *Oral Presentations*

*Discussion Time: Thursday 16<sup>th</sup> Sept 13:00 UTC*

	<b>Presenter</b>	<b>Title</b>	<b>Link</b>
1	Laurence Forget Brisson	Chronological framework for late Pleistocene and Holocene loess sequences: Extending the LPH-IRSL protocol to Eastern Beringia archaeological sites	<a href="#">View</a>
2	Kira Westaway	Testing the accuracy of pIR-IRSL procedures using independent age estimates	<a href="#">View</a>
3	Pu Yang	Testing of post-IR IRSL dating approaches using coarse-grained K-feldspar from the lower coastal terraces on the Western Iberian Margin (northern Portugal)	<a href="#">View</a>
4	Anna Utkina	Unexpectedly old luminescence ages as an indicator of the origin of the Upper Volga River valley sediments	<a href="#">View</a>
5	Melissa Chapot	Challenges of single grain quartz OSL dating sediment samples from a low dose-rate environment near Victoria Falls in Zambia	<a href="#">View</a>
6	Marcus Richter	Evaluation of the residual dose/age in quartz ESR dating: a study from archaeological sites near Victoria Falls, Zambia	<a href="#">View</a>

### *Poster Presentations*

*Poster Session: Thursday 16<sup>th</sup> Sept 15:30 UTC*

	<b>Presenter</b>	<b>Title</b>	<b>Link</b>
1	Johanna Lomax	Palaeoclimatic signals in loess-palaeosol sequences from Armenia accessed by fine grain luminescence dating	<a href="#">View</a>
2	Zoran Peric	High detailed luminescence dating of the Irig loess-palaeosol sequence over the last 180 ka	<a href="#">View</a>
3	Nikolay Volvakh	First high-resolution OSL dating study of the loess-paleosol sequence of Southern Siberia (Lozhok reference section)	<a href="#">View</a>
4	Olga Meshcheriakova	The Upper Pleistocene loess-paleosol sequence of the Cis-Altai plain (Solonovka section): first OSL results	<a href="#">View</a>
5	Liping Zhou	Luminescence dating of Uzbekistan loess: towards a new absolute chronological framework	<a href="#">View</a>
6	Redzhep Kurbanov	Detailed luminescence chronology of Lower Volga loess (Leninsk section)	<a href="#">View</a>
7	Mikhail Svistunov	Identifying age limits of the Altay Late Quaternary megafloods from luminescence dating of loess	<a href="#">View</a>
8	Yan Li	Infrared stimulated luminescence dating of coarse-grained K-feldspar and fine-grained polymineral from Chinese Loess Plateau: A comparison	<a href="#">View</a>
9	Michelle Nelson	Quartz luminescence sensitivity from the critical-zone in the western Piedmont of North Carolina, south-eastern USA	<a href="#">View</a>
10	Shannon Mahan	Valles Caldera, New Mexico, USA: Dating and defining the rate of formation of soils and wildfire activity using luminescence	<a href="#">View</a>
11	Jun Peng	High sampling density OSL dating of aeolian samples from the south margin of the Tengger Desert using the global standardised growth curve (gSGC) method	<a href="#">View</a>
12	Tony Reimann	Insight into the sediment dynamics of a high-impact low-frequency mass movement using pIRIR feldspar luminescence	<a href="#">View</a>
13	Xiao Fu	Single-grain quartz and K-feldspar luminescence dating of late Quaternary pluvial episodes beyond MIS 5 in south-eastern Australian highlands	<a href="#">View</a>
14	Haoran Zong	Late Quaternary paleoenvironmental changes at the southern margin of the Gurbantunggut Desert, northwest China: an optical dating study	<a href="#">View</a>
15	Aline Zinelabedin	Testing the application of infrared stimulated luminescence dating on feldspars from calcium sulphate-rich wedges in the Atacama Desert	<a href="#">View</a>
16	Fei Yang	The first OSL dating of Black Soil in northeast China	<a href="#">View</a>

17	Grzegorz Poręba	Holocene soil erosion on agricultural loess slope by simultaneously using the SAR OSL dating method and fallout radionuclides ( $^{137}\text{Cs}$ and $^{210}\text{Pb}$ ) - a case study	<a href="#">View</a>
18	Yorinao Shitaoka	Quartz OSL dating to find formative ages of Higher terraces burring valleys in the central Lesser Nepal Himalayas	<a href="#">View</a>
19	William McCreary	Challenges in updating the luminescence chronology of the Chaîne des Puys volcanic province, France	<a href="#">View</a>
20	Yiwei Chen	OSL dating of young dunes in upper reach of the Yarlung Tsangpo River, southwest Tibetan Plateau	<a href="#">View</a>
21	Katharina Seeger	Using infrared stimulated luminescence dating for establishing a chronology of morphologic activity in a dry valley in the Andean Precordillera, N Chile	<a href="#">View</a>
22	Toru Tamura	Luminescence characteristics of coastal sediments in East Antarctica	<a href="#">View</a>
23	hui li Yang	Optical dating of paleoearthquakes along the Ms7.4 1985 Wuqia earthquake surface ruptures at the NE margin of the Pamir Syntaxis	<a href="#">View</a>
23	Thays Desiree Mineli	Application of quartz OSL standardised growth curve for dating of Brazilian sediments	<a href="#">View</a>
25	Carlos Mazoca	Feldspar luminescence characteristics from a large amazonian river: ages, SGC and sensitivity	<a href="#">View</a>
26	Qinjing Shen	Late Quaternary OSL chronology and aeolian landform processes in the Hulunbuir dune field, NE China	<a href="#">View</a>
27	Elizaveta Butuzova	Shedding light on the chronology of the largest Late Quaternary transgression of the Caspian Sea	<a href="#">View</a>
28	Aijun Sun	Optical dating reveals the evolution of oases since the last deglacial at the southern margin of Tarim basin, NW China	<a href="#">View</a>
29	Eslem BEN AROUS	ESR dating of Early to Middle Pleistocene coastal dunes, South Africa: a comparison with the luminescence chronology	<a href="#">View</a>
30	Pankaj Sharma	Application of luminescence and radiocarbon dating techniques in studying slack water deposits: A case study from Upper Indus River, Ladakh.	<a href="#">View</a>
31	Jiafu Zhang	Radiocarbon and luminescence dating of the Wulanmulun site in Ordos, China	<a href="#">View</a>
32	Miren del Val	Luminescence and ESR dating of the multi-level karst system of Alkerdi-Zelaieta (Navarre, western Pyrenees) and implications for the provenance study.	<a href="#">View</a>
33	Fei Han	Radiometric dating of Meipu hominin site in Three Gorges and western Hubei area, China by coupled ESR/U-series method and cosmogenic $^{26}\text{Al}/^{10}\text{Be}$ burial dating	<a href="#">View</a>

## Session 9: Exploring age models and extending the age range

Chair : Jakob Wallinga

Co-chair: Lee Arnold

### *Oral Presentations*

*Discussion Time: Thursday 16<sup>th</sup> Sept 14:15 UTC*

<b>Presenter</b>	<b>Title</b>	<b>Link</b>
1 Guillaume Guérin	Age-depth modelling and the effect of including – or not – shared errors across sets of OSL samples	<a href="#">View</a>
2 Sebastian Kreutzer	Chronological reference datasets: reasoning, creation and application	<a href="#">View</a>
3 Hélène Tissoux	Dating pre-Quaternary sediments using ESR: some attempts	<a href="#">View</a>
4 Pedro Cunha	Pleistocene sea-level highstands and coastal uplift in westernmost Iberia: characterization and dating of the Peniche marine terrace staircase	<a href="#">View</a>
5 Chuanyi Wei	Plio-early Pleistocene ESR chronology of Ganyanchi Gravel Layer, Haiyuan fault, China: implications for transformation from compressive fault to sinistral strike slip fault	<a href="#">View</a>

### *Poster Presentations*

*Poster Session: Thursday 16<sup>th</sup> Sept 15:30 UTC*

<b>Presenter</b>	<b>Title</b>	<b>Link</b>
1 Agnes Novothny	Luminescence dating of loess-paleosol sequences containing the Bag Tephra from the Northern-Carpathian Basin – Can the Bag Tephra be used as a marker horizon?	<a href="#">View</a>
2 Tiffanie Fourcade	Improving the chronology of marine cores: IRSL dating and Bayesian modelling of a core from the Bay of Biscay (NE Atlantic)	<a href="#">View</a>
3 Qingfeng Shao	Applying a Bayesian approach for refining the chronostratigraphy of the Yumidong Cave in the Three Gorges Region, Central China	<a href="#">View</a>
4 Mark Bateman	Getting the right age?	<a href="#">View</a>
5 Madhav Murari	The performance of the existing statistical models on the palaeodose distribution: Observations from laboratory controlled samples	<a href="#">View</a>
6 Alastair Cunningham	Seeking chronological precision for a Holocene loess sequence	<a href="#">View</a>
7 Daniela Constantin	An empirical study on the variability of luminescence ages for coeval loess samples	<a href="#">View</a>
8 Sarah Boyd	Utilising optically stimulated luminescence and radiocarbon dating to investigate depositional scenarios and relative sea level change at Ruddons Point, Fife, Scotland	<a href="#">View</a>
9 Zuzanna Kabacińska	Revisiting quartz natural and laboratory electron spin resonance (ESR) dose response curves from Chinese loess	<a href="#">View</a>
10 Margarida Porto Gouveia	Problems encountered in ESR dating on quartz extracted from Pliocene and Early Pleistocene sedimentary formations in Central Portugal	<a href="#">View</a>
11 Yawei Li	Evaluation and application of multiple centers ESR dating method on Plio-Quaternary fluvial sediment: A case study from core ZL in Jiangnan Basin, middle Yangtze River Basin, China	<a href="#">View</a>
12 Hyun Ho Yoon	OSL dating of marine long core sediments on Hupo basin, East Sea of Korea: A comparison of TT-OSL from fine-grained quartz and post-IR IRSL from single grain K-feldspar	<a href="#">View</a>
13 Libin Wang	Research on ESR chronology of lacustrine sediments from Taoyuan paleo-lake, middle reaches of Jinsha River	<a href="#">View</a>
14 Jingran Zhang	The luminescence chronology of the Yellow River terraces in Gonghe Basin and its tectonic and palaeoclimate implications since Mid-Pleistocene	<a href="#">View</a>

## Session 10: Provenance Studies and patterns of sensitivity change

Chair : Helen Roberts

Co-chair: Abi Stone

### *Oral Presentations*

*Discussion Time: Friday 17<sup>th</sup> Sept 13:00 UTC*

<b>Presenter</b>	<b>Title</b>	<b>Link</b>
1 André Zular	Determining the provenance of sediments using TL and OSL sensitivities, and hyperspectral cathodoluminescence of quartz grains associated with heavy mineral analysis: the case of	<a href="#">View</a>
2 Tammy Rittenour	Quartz Sensitivity across Varied Geologic Provenances and Processes; a near-global survey	<a href="#">View</a>
3 Jintang Qin	Variation of luminescence characteristics of quartz grains from the Cenozoic sedimentary rocks of Western China	<a href="#">View</a>
4 Tomas Capaldi	Downstream Change in Quartz OSL Sensitivity in Modern River Sand Reflects Sediment Source Variability	<a href="#">View</a>
5 Harrison Gray	An application of luminescence sediment tracing using a portable luminescence reader in two-dimensions to evaluate the colluvial wedge sedimentological model	<a href="#">View</a>
6 Ed Rhodes	MET-IRSL used to track pre-depositional sediment transport history	<a href="#">View</a>

### *Poster Presentations*

*Poster Session: Thursday 16<sup>th</sup> Sept 15:30 UTC*

<b>Presenter</b>	<b>Title</b>	<b>Link</b>
1 Natascia Pannocho	Testing the use of luminescence as sediment tracer and provenance tool in coastal settings	<a href="#">View</a>
2 Qiuyue Zhao	Provenances of Paleosol deposits in the Central Shandong Mountains region of northern China inferred from Optically Stimulated Luminescence chronologies and grain sizes	<a href="#">View</a>
3 Anna-Maartje de Boer	Development of EMCCD approaches for single-grain feldspar measurements and future applications for sediment tracing	<a href="#">View</a>
4 Helena Alexanderson	Luminescence characteristics of Scandinavian quartz, their connection to bedrock provenance and influence on dating results	<a href="#">View</a>
5 Fernanda Costa Gonçalves Rodrigues	Provenance of Mesozoic-Cenozoic fluvial deposits in Central Amazonia using luminescence sensitivity	<a href="#">View</a>
6 Santunu Kumar Panda	Spatial variations in luminescence sensitivity of quartz extracted from source rocks and fluvial sediments of the Sabarmati River basin, Western India: Implications for	<a href="#">View</a>
7 Rhys Watkins	Luminescence as a sediment provenance tool for the former British-Irish Ice Sheet (BIIS)	<a href="#">View</a>
8 Kaja Fenn	Integrated provenance approach: Combining OSL data with bulk sample geochemistry and zircon U-Pb ages	<a href="#">View</a>
9 Priscila Souza	Repurposing OSL dating data for provenance analysis: a case study with Amazon fluvial deposits	<a href="#">View</a>
10 Tengis Saran	TL and OSL sensitivity of heated quartz as a provenance tool – a preliminary study	<a href="#">View</a>

## Session 11: Novel applications of luminescence and ESR: Part 1

Chair : Shin Toyoda

Co-chair: Naomi Porat

### *Oral Presentations*

*Discussion Time: Friday 17<sup>th</sup> Sept 14:15 UTC*

<b>Presenter</b>	<b>Title</b>	<b>Link</b>
1 Aditi Krishna Dave	E' and peroxy paramagnetic centres in quartz as a proxy for provenance: Examples from Central Asia	<a href="#">View</a>
2 Alida Timar-Gabor	Luminescence and electron spin resonance (ESR) characterisation of quartz from different lithologies of different ages	<a href="#">View</a>
3 Andre Oliveira Sawakuchi	Appraising the variability of OSL and TL sensitivities of quartz from rocks and sediments using spatially-resolved luminescence measurements	<a href="#">View</a>
4 Nathan Brown	Developing an internally consistent methodology for K-feldspar MAAD TL thermochronology	<a href="#">View</a>
5 Magdalena Biernacka	How to effectively isolate the OSL component in the OSL depletion curve measurement?	<a href="#">View</a>
6 Chloé Bouscary	Optimisation of measurement conditions for the derivation of thermal kinetic parameters using isothermal holding experiments	<a href="#">View</a>

### *Poster Presentations*

*Poster Session: Thursday 16<sup>th</sup> Sept 15:30 UTC*

<b>Presenter</b>	<b>Title</b>	<b>Link</b>
1 Luke Gliganic	Direct dating of lithic surface artefacts using luminescence	<a href="#">View</a>
2 Warren Thompson	Luminescence dating of an ancient circular stone walled enclosure complex at Sönnböe, northern Scania, Sweden: combined dating of coarse-grained sediment	<a href="#">View</a>

## Session 12: Novel applications of luminescence and ESR: Part 2

Chair : Sumiko Tsukamoto

Co-chair: Helena Alexanderson

### *Oral Presentations*

*Discussion Time: Friday 17<sup>th</sup> Sept 15:30 UTC*

<b>Presenter</b>	<b>Title</b>	<b>Link</b>
1 Margaret Odum	Developing a new brittle fault slip paleothermometer using quartz luminescence	<a href="#">View</a>
2 Pavao Andričević	Light Propagation in Cracks: Insight from Luminescence	<a href="#">View</a>
3 Rachel Smedley	Erosion rates in a wet, temperate climate derived from rock luminescence techniques	<a href="#">View</a>
4 Yuye Feng	OSL dating application to basal sediments of alpine peat from the northeastern Tibetan Plateau	<a href="#">View</a>
5 Anne Guyez	Feldspar single-grain luminescence illuminates past river dynamics; bedrock input to the Rangitikei River since the Late Glacial	<a href="#">View</a>
6 Joanne Elkadi	Constraining past bedrock surface temperatures in the Western Alps using feldspar thermoluminescence paleothermometry.	<a href="#">View</a>

### *Poster Presentations*

*Poster Session: Thursday 16<sup>th</sup> Sept 15:30 UTC*

<b>Presenter</b>	<b>Title</b>	<b>Link</b>
1 Leif S. Anderson	Using a 3-D heat transport model (PeCUBE) to invert OSL- and ESR-derived rock cooling histories into erosion rates in the Hida Range of Japan	<a href="#">View</a>
2 April Phinney	Heated Up: Assessment of Historic and Recent Wildfire Intensities on the Kaibab Plateau, Arizona, USA	<a href="#">View</a>
3 Ian del Rio	Exploring the potential of TL signals from K-feldspar to estimate subsidence rates in the Amazon Basin	<a href="#">View</a>
4 Marília Campos	Assessing changes in northeastern South American hydroclimate during Termination II through OSL and TL sensitivities	<a href="#">View</a>
5 Zheng Cao	Luminescence Sensitivity of Quartz from Rocks under Different in situ Weathering Conditions	<a href="#">View</a>
6 Jiao Li	The Variation of Quartz Optically Stimulated Luminescence Sensitivity in Xifeng Section of Chinese Loess Plateau Since the Last Interglacial	<a href="#">View</a>