

**APLED 2015**  
**4<sup>th</sup> Asia Pacific Luminescence and Electron Spin Resonance Dating Conference**  
**22<sup>nd</sup> to 28<sup>th</sup> November**  
**Adelaide, Australia**

<b>Sunday, 22<sup>nd</sup> November 2015</b> <b>(Pre-conference Workshop)</b>		
11:00 am	DosiVox Workshop	
5:00 pm	Welcome Reception	
<b>Monday, 23<sup>rd</sup> November 2015</b> <b>(Day One)</b>		
9:00 am	Executive Dean of Science, Robert Hill; Nigel Spooner and Lee Arnold	Introductions
9:30 am	<i>Chair: TBD</i>	<i>ESR Dating</i>
9:30 am	Rainer Grün	35 years of struggle with ESR dating
10:10 am	Henri Garon	ESR dating of alluvial quartz: New chronological data for the Intermediate sector of the Creuse river (Centre Region, France)
10:30 am	Mathieu Duval	Are ESR dose assessments on fossil teeth enamel reliable?
10:50 am	Shin Toyoda	ESR dating of sea-floor hydrothermal barite: Contribution of <sup>228</sup> Ra to the dose rate
11:10 am	<b>Morning Tea</b>	
11:40 am	<i>Chair: TBD</i>	<i>Fundamentals and Innovations (1)</i>
11:40 am	Bo Li	Single-grain optical dating of K-feldspar: Investigating the existence of post-IR IRSL standardised growth curves
12:00 pm	Jinfeng Liu	Investigating the effect of test dose and stimulation temperature on post-IR IRSL standardised growth curves
12:20 pm	Kira Westaway	Challenging feldspars; a solution for high dosimetry sites?
12:40 pm	<b>Lunch</b>	
2:40 pm	<i>Chair: TBD</i>	<i>Fundamentals and Innovations (2)</i>
2:40 pm	Grzegorz Adamiec	The origin of the medium OSL component in West Australian quartz
3:00 pm	Justine Kemp	Testing the bleachability of iron-oxide coated aeolian sands in the Willandra Lakes
3:20 pm	Jillian Moffatt	Testing TT-OSL single-aliquot protocols and their applicability to long-range and high-dose sediment dating
3:40 pm	<b>Afternoon Tea</b>	
4:10 pm	<i>Chair: TBD</i>	<i>Dosimetry (1)</i>
4:10 pm	Loïc Martin	Potential of 2D-modelling for beta dose rate characterization in heterogeneous samples
4:30 pm	Anna Romanyukha	Measuring beta-source heterogeneity in sediment using the Medipix2 pixelated semiconductor detector
4:50 pm	Loïc Martin	The basics of the DosiVox dosimetry modelling software
5:10 pm	Norbert Mercier	Potential applications of the DosiVox software for dosimetry
5:30 pm	<i>End of Session</i>	

**APLED 2015**  
**4<sup>th</sup> Asia Pacific Luminescence and Electron Spin Resonance Dating Conference**  
**22<sup>nd</sup> to 28<sup>th</sup> November**  
**Adelaide, Australia**

<b>Tuesday, 24<sup>th</sup> November 2015</b> <b>(Day Two)</b>		
9:00 am	<i>Chair: TBD</i>	<i>Dosimetry (2)</i>
9:00 pm	Fang Fang	A new approach for beta dose rate evaluation in heterogeneous rocks: Implications for ESR and Luminescence thermochronology
9:20 am	Christopher Kalnins	Distributed fibre dosimetry using optically stimulated luminescence
9:40 am	Peter Hunter	The general characterisation and applicability of NaCl for retrospective dosimetry purposes
10:00 am	Carly Whittaker	Alpha and beta radiation sensing using scintillating polymer fibres
10:20 am	<b>Morning Tea</b>	
10:50 am	<i>Chair: TBD</i>	<i>Applications: Archaeology and Palaeontology</i>
10:50 am	Liz Reed	Site formation processes and their influence on chronological records from cave deposits: examples from Naracoorte Caves
11:10 am	Anchuan Fan	Luminescence dating of Neolithic hearth in Loess Plateau: New age control for stone-walled settlement of Shimao
11:30 am	Keryn Walshe	Koonalda Cave, Nullarbor, South Australia—Archaeology and Issues of Optical Dating
11:50 pm	<b>Lunch</b>	
2:00 pm	<i>Chair: Nigel Spooner</i>	
2:00 pm	APLED 2018: Presentation on behalf of Peking University, China	
2:20 pm	Poster Session and Laboratory Tours	
5:00 pm	<i>End of Session</i>	
7:30 - 9:30 pm	Conference Dinner, Adelaide Oval	

**APLED 2015**  
**4<sup>th</sup> Asia Pacific Luminescence and Electron Spin Resonance Dating Conference**  
**22<sup>nd</sup> to 28<sup>th</sup> November**  
**Adelaide, Australia**

<b>Wednesday, 25<sup>th</sup> November 2015</b> <b>(Day Three)</b>		
9:00 am	<i>Chair: TBD</i>	<i>Applications: Palaeoenvironmental Reconstructions (1)</i>
9:00 am	Martin Williams	Mountains, monsoons and megafans: Role of luminescence dating in defining responses to climactic changes in the Nile Valley
9:40 am	Yuen-Yeung Tse	Optically stimulated luminescence dating of sediments from Manas Lake and its palaeoenvironmental implication
10:00 am	Linto Alappat	Chronology of formation and evolution of Red Dune sands (teri sands) of South India and its palaeo-environmental implications
10:20	Tim Pietch	Using optical dating to determine channel migration rates on one of Australia's major river systems--the Murrumbidgee, New South Wales.
10:40 am	<b>Morning Tea</b>	
11:10 am	<i>Chair: TBD</i>	<i>Applications: Palaeoenvironmental Reconstructions (2)</i>
11:10 am	Xiao Fu	Establishing a chronology of lacustrine sediments for Lake Eyre (South Australia) using multi luminescence dating methods
11:30 am	Lei Gao	High resolution luminescence dating of a coastal sediment sequence from the South Yellow Sea
11:50 am	Grzegorz Adamiec	OSL chronostratigraphy for loess deposits from Tyszowce—Poland
12:10 pm	<b>Lunch</b>	
2:00 pm	<i>Chair: TBD</i>	<i>Applications: Geology and Thermochronology (1)</i>
2:00 pm	Jintang Qin	Can we date the earthquakes of the last millenium along the Altyn Tagh Fault (ATF) via IRSL signals?
2:20 pm	Carmen Krapf	Applying OSL dating for geological mapping and mineral exploration in regolith dominated terrains; examples from the Eastern Musgrave province, South Australia, and the East Wongatha area, Western Australia
2:40 pm	<b>Afternoon Tea</b>	
3:10 pm	<i>Chair: TBD</i>	<i>Applications: Geology and Thermochronology (2)</i>
3:10 pm	Vinícius Ribau Mendes	OSL and TL sensitivities of quartz in a marine sediment core as a source tracer and paleoclimate proxy
3:30 pm	Shenghua Li	Thermoluminescence geothermometry—Otway Basin revisit
3:50 pm	Shuang-Li Tang	Study of low temperature thermochronology using Thermoluminescence signals from K-feldspar
4:10 pm	Discussion and Close	
5:00 pm	<i>End of Conference</i>	
<b>Thursday, 26<sup>th</sup> to Saturday, 28<sup>th</sup> November 2015</b> <b>(Field Trip)</b>		
Three Days	Field Trip, Naracoorte, South Australia	

**APLED 2015**  
**4<sup>th</sup> Asia Pacific Luminescence and Electron Spin Resonance Dating Conference**  
**22<sup>nd</sup> to 28<sup>th</sup> November**  
**Adelaide, Australia**

<b>Poster Session</b>		
Poster #	<i>OSL: Applications</i>	
1	Komal Sharma	OSL chronology of Quaternary carbonate deposits of the Saurashtra, western India: Implications in understanding paleo-environmental changes
2	Resmi M. R.	Early to Late Holocene Fluvial Activity of the Palar River, Tamil Nadu
3	Xiaomei Nian	Optical dating of Holocene sediments from the Changjiang (Yangtze) delta, China
4	Amber Hood	OSL dating of an ancient runoff farming system in the Wadi Baqa', Petra, Jordan: Preliminary results
5	Linto Alappat	Late Quaternary deformation at Bharawain Anticline along Himalayan Frontal Foreland Fold, NW Himalaya, India
6	Huili Yang	Optical dating of paleoearthquakes along the Ms7.4 1985 Wuqia earthquake surface ruptures at the NE margin of the Pamir Syntaxis
7	Gong-Ming Yin	Slip rate estimate on the Gyaring Co Fault in central Tibet: constraints from Late Quaternary OSL dating
8	Richard Lewis	High resolution single-grain OSL dating of Welsby Lagoon, Queensland: Bridging Australia's MIS3 chronological gap
9	Yuetian Li	Luminescence dating study of a loess section in Tajikistan, Central Asia
10	Bo Li	Luminescence chronologies for the Dadiyuan archaeological site in the Nihewan Basin, northern China
11	Justine Kemp	OSL to the rescue: constraining aeolian and lake sediments of the semiarid Paroo-Warrego region, Australia
12	Lupeng Yu	Cross-check between OSL and <sup>14</sup> C ages in archaeological sites in the Qaidam Basin, Qinghai-Tibetan Plateau
<i>OSL: Fundamentals and Innovations</i>		
13	Martina Demuro	Initial results of 3D spectral measurements on handpicked sedimentary quartz grains with diverse OSL behaviours
14	Alastair Cunningham	Moving from EM-CCD luminescence images to spatially resolved estimates of equivalent dose
15	Dileep Koul	OSL from deep trap of fired quartz: A novel signal extending dose estimation beyond kGy region
16	Suchinder Sharma	OSL sensitivity variation in natural quartz: some insight from FTIR spectroscopy
17	Madhav Murari	Comparison of Component specific palaeodose with those from SAR protocol
18	Haresh Rajapara	SAR-OSL, TT-OSL, and pIR-IRSL analysis from quartz and feldspars of high antiquity: Implications
19	Vinícius Ribau Mendes	First insights on silt fraction OSL use in dirty speleothems dating
20	Jin Cheul Kim	Evaluation of modified SAR procedures for D <sub>e</sub> determination

**APLED 2015**  
**4<sup>th</sup> Asia Pacific Luminescence and Electron Spin Resonance Dating Conference**  
**22<sup>nd</sup> to 28<sup>th</sup> November**  
**Adelaide, Australia**

21	Lee Arnold	OSL dating of individual quartz 'supergrains' from the Early Middle Palaeolithic site of Cuesta de la Bajada, Spain
<i>Electron Spin Resonance</i>		
22	Chun-Ru Liu	ESR dating of the Hougou Paleolithic site in the Nihewan Basin, North China
23	Aiko Shimada	ESR and TL signals of quartz in the present river bed sediments and in possible source rocks
24	Taisei Fujiwara	The alpha effectiveness of the ESR dating signal in hydrothermal barite
25	Taisei Fujiwara	ESR dating of hydrothermal anhydrite: the first trial
<i>Feldspar Dating</i>		
26	Toru Tamura	Feldspar IRSL dating of human-influenced barrier shoreline down the catchment of granite and volcano
27	Masashi Takada	Age estimation of coral fossil by post-IR IRSL measurement of insoluble residue
<i>Thermoluminescence</i>		
28	Manabu Ogata	Thermoluminescence efficiencies induced by alpha, beta, gamma and X-ray of Mn, Mg, and Fe doped calcite
29	Nguyen Quang Mien	Thermoluminescence dating of archaeological pottery from GoThap site in the Northern Vietnam
30	Zhengyao Jin	Firing temperature estimation of pottery from Jinlianshan and Xueshan sites at Fuxian Lake, Yunnan Province
<i>Cathodoluminescence</i>		
31	Rei Kanemaru	Identification of silica minerals in meteorite using cathodoluminescence
32	Yuta Tsuchiya	He <sup>+</sup> ion implantation effect on cathodoluminescence of zircon
33	Nobuhiro Kusano	Quantitative determination of Mn <sup>2+</sup> site occupancy in dolomite using cathodoluminescence spectroscopy
34	Sota Nomi	Cathodoluminescence of Pb-bearing carbonate minerals
35	Syuhei Ohgo	Cathodoluminescence zoning in the meteorite of Yamato 86004
<i>Computational</i>		
36	Vinayak Kumar	A GUI package for the deconvolution OSL components
37	Amber Hood	Using DosiVox to model external dose rates for pottery from uncertain depositional contexts in Ancient Egyptian tombs