

Monday 10th8.00 - 9.00 **Registration**9:00 - 9.30 **Opening Presidents Welcome****Session: Long Records Chair: Haidee Cadd**

9.30 - 10.00	Patrick De Deckker	Marine Isotope Stage 4 in Australasia: a full glacial culminating 65,000 years ago – global connections and implications for human dispersal
10.00 - 10.30	Valerie van den Bos	A terrestrial palynological record for the last ~100 kyr from Orakei Basin, northern New Zealand

10.30 to 10.55 **Morning tea (25 min)****Session: Geomorphology Chair: Georgy Falster**

11.00 - 11.20	Tim Barrows	Glacial history of the Franz Josef moraine complex, West Coast, New Zealand
11.20 - 11.40	Lisa Dowling	The Holocene Glacial History of Dart Glacier, Southern Alps, New Zealand
11.40 - 12:00	Elyssa De Carlie	The intersection between engineering and Quaternary science: an example from the River Murray
12.00 - 12.20	Nuria Lahuerta Pineiro	Late Quaternary relative sea-level changes and evolution of the Lacepede Shelf, southern Australia
12.20 - 12.40	Deirdre Ryan	Introducing WALIS – The World Atlas of Last Interglacial Shorelines

12.40 - 1:30 **Lunch (50 min) Session: Isotope Methods Chair: Nicky Wright**

1.30 - 1.50	Cesca McInerney	Reading the tea leaves: Leaf waxes as recorders of palaeovegetation
1.50 - 2.10	Amy Prendergast	Pipi shells: a new high-resolution palaeoenvironmental archive for south-eastern Australia
2.10 - 2.30	Katie Coleborn	Sulphur: a proxy for wildfires in stalagmites
2.30 - 2.50	Georgy Falster	Leaving a trail: reconstructing past climates from stable and clumped isotope analysis of snail shells

2.50 - 3.20 **Afternoon tea (30 min)**3.30 - 4.30 Penny Whetton **A short history of the future: Projecting climate change in Australia 1989-2015**4.30 - 5.15 Brad Pillans **John Chappell Memorial Lecture**5.15 - 8.00 pm **Poster, Pizza & Drinks**

Tuesday 11th

8.30 - 9.00 **Registration** **Session: Long Records Chair: Heather Haines**

9:00 - 9.30	Fiona Hibbert	Searching for structure in sea-level records
9.30 - 10.00	Janelle Stevenson/	600,000 years of change in a biological hotspot
10.00 - 10.20	Katharine Grant	Reconstructing 'Green Sahara Periods' over the Plio-Pleistocene
10.20 -10.40	Chris Kemp	A new >200,000 year Australian climate record from Fern Gully Lagoon, sub-tropical eastern Australia

10.40 - 11.00 **Morning tea (20 min)** **Session: Lakes Chair: Michela Mariani**

11.00 - 11.20	Cameron Barr	Hydrological change in subtropical Australia from 80–40 kyr
11.20 - 11.40	Haidee Cadd	Millennial scale climate and environmental change from Welsby Lagoon, North Stradbroke Island for the past 80,000 years.
11.40 - 12 noon	Tim Cohen	The evolution of Thirlmere lakes: a long-term sedimentary record of climate and fire dynamics in the Sydney Basin
12.00 - 12.20	Matt Forbes	Palaeoenvironmental reconstruction of Lake Couridjah (Thirlmere) across the Pleistocene and Holocene using isotopic and geochemical proxies
12.20 - 12.40	Simon Haberle	A ~30ka pollen and charcoal record from the Mitchell Plateau, The Kimberley: implications for past climate, fire and human activity NW Australia.

12.40 - 1:30 **Lunch (50 min)** **Session: Lakes Chair: Leoni Peti**

1.30 - 1.50	Sarah McDonald	An 8,000-year climate record from Lake Motosu, Japan: Implications for the East Asian Monsoon
1.50 - 2.10	Nicky Wright	Did solar forcing influence the Southern Annular Mode over the Last Millennium?
2.10 - 2.30	Joeseeph Alexander	Southern westerlies and CO ₂ during the Antarctic Cold Reversal
2.30 - 2.50	Zoe Thomas	A dynamical link between Snowy Mountains temperatures and the Southern Hemisphere westerly winds over the late Holocene

2.50 - 3.10 **Afternoon tea (20 min)**

3.25 - 4.05 Jon Tyler Identifying common patterns and periodicities in time-uncertain palaeoclimate records

4.10 - 5.10 Tas van Ommen Ice core climate records: From seasonal- to glacial-scale

Evening **ECR-themed event at Fellows Bar**

Wednesday 12th

8.30 - 9.00	Registration	Session: Speleothem Records Chair: Stacey Priestly
9.00 - 9.30	Andy Baker	Reconstructing Australia's fire history from cave stalagmites
9.30 - 9.50	Andrea Borsato	Solar forcing and inter-annual precipitation variability reconstructed from a Cook Islands stalagmite record
9.50 - 10.10	Pauline Treble	Past hydroclimatic variability from southwest Australian speleothems during the last millennium
10.10 - 10.30	Xianglin Zheng	The reconstruction of moisture availability over the past 2800 years in south-eastern Australia using testate amoebae
10.30 - 10.55	Morning tea (25 min)	Session: New Methods Chair: Tegan Hall
11.00 - 11.20	Al Williams	The first use of Optically Stimulated Luminescence Dating at a colonial site in Australia
11.20 - 11.40	Jacinta Greer	Experimental degradation of leaves: Implications for palaeoclimate reconstructions
11.40 - 12 noon	Kelsie Long	Oxygen isotopes and trace elements in fish otoliths: modern validations and ancient applications
12.00 - 12.20	Lynda Petherick	Cyanobacteria secondary metabolites: New proxies for past climate change
12.20 - 12.40	Heather Haines	Developing Tree-Ring Chronologies and Climate Reconstructions from Moisture Sensitive Araucariaceae Trees in Tropical and Subtropical Australia
12.40 - 1:30	Lunch (50 min)	Session: New Methods Chair: Kelsie Long
1.30 - 1.50	Tony Dosseto	News from the Periodic Table: Quaternary landscapes and ecosystems viewed from the perspective on an atom (or two)
1.50 - 2.10	Michela Mariani	From pollen to land-cover: new modelling approaches from Tasmania, Australia
2.10 - 2.30	Michael-Shawn	Understanding human-environment interactions in space and time: 3 case studies from the Holocene in Australia
2.30 - 2.50	Jess Reeves	Living Bung Yarnda (Lake Tyers)
2.50 - 3.10	Afternoon tea (20 min)	
3.15 - 4.15	Laura Weyrich	DNA in Quaternary Research
5:00	Twilight bowling	
>7pm	Conference dinner	

Thursday 13th		
8.30 - 9.00	Registration	Session: Arid Records Chair: Nicola Stromsoe
9.00 - 9.30	Paul Hesse	The Desert Dilemma
9.30 - 9.50	Adrian Fisher	Using satellite imagery to improve our understanding of longitudinal dunes as paleoclimate records
9.50 - 10.10	Elise Thornton	Investigating the past hydrology of Lake Mungo: a multiproxy approach.
10.10 - 10.30	Nathan Jankowski	Preliminary results from high-resolution single-grain OSL dating and soil micromorphology at Lake Mungo, NSW
10.30 - 10.55	Morning tea (25 min)	Session: Dating methods Chair: Valerie van den Bos
11.00 - 11.20	Mark Constantine	Getting more from charcoal: using ATR-FTIR to quantify pyrolysis intensity as a proxy for fire severity in eastern Aus
11.20 - 11.40	Leonie Peti	Integrated age modelling of numerical, correlative and relative dating of a long lake sediment sequence from Orakei maar paleolake, Auckland, NZ
11.40 - 12 noon	Georgia Roberts	Modern Australian Isotopic Baselines: Implications for the Expansion of Isotope Research in Australian Archaeology
12.00 - 12.20	Rachel Wood	Towards a pretreatment for radiocarbon dating tooth enamel
12.20 - 12.40	Julien Lubeek	Determining the cause of Gigantopithecus blacki's demise using dental microwear, micromorphology and luminescence dating
12.40 - 1:30	Lunch (50 min)	Session: New Methods Chair: Katie Coleborn
1.30 - 1.50	John Jansen	Cosmogenic ¹⁴ C reveals catastrophic soil-loss coincided with early agro-pastoralism in the Andes altiplano
1.50 - 2.10	Chris Gouramanis	Comparison of Recent Storm and Tsunami Deposits from the South-Eastern Coastline of India
2.10 - 2.30	Martin Akor	Hydrologic and isotopic modelling of lakes: towards mechanistic understanding of proxy data.
2.30 - 2.50	Sam Marx	Atmospheric dust concentrations are a key indicator of palaeo-environmental conditions through the Quaternary.
2.50 - 3.10	Afternoon tea (20 min)	
3.15 - 4.00	Zoe Thomas	Tipping points, thresholds, and feedbacks in the Earth System: a palaeo perspective
4.00 - 5.00	AQUA Meeting. Issues in AQUA (President)	

Friday 14th		
9.00 - 9.30	Brad Pillans	Lake George overview
9.30 - 9.50	Simon Haberle	Lake George pollen
9.50 - 10.10	Bradley	Lake George and the Impact of the Mid-Pleistocene Transition
10.10 - 10.30	Tim Cohen	Lake George highstands: more evidence for deep lakes in cold periods
10.30 - 10.50	Amy Way	The archaeology of Weereewaa (Lake George)
10.50 - 11.15	Morning tea (25 min)	
11.20 to lunch	Lake George adventure	