13TH INTERNATIONAL CONFERENCE ON PALEOCEANOGRAPHY

UNDER THE SOUTHERN CROSS

2-6 SEPTEMBER 2019 SYDNEY AUSTRALIA

Draft Program

Time	Sunday, 1st Sept	Monday, 2nd Sept	Tuesday, 3rd Sept	Wednesday, 4th Sept	Thursday, 5th Sept	Friday 6th, Sept	Saturday, 7th Sept
0730 - 0830		**Day 1: Registration**				**Day 5: Registration**	
0830 - 0900		**Welcome**	**Day 2: Registration**	**Day 3: Registration**	**Day 4: Registration**	**Kim Cobb** **Advances in paleo-ENSO: a past to future perspective**	Wombeyan Caves Fieldtrip 0700 - 1900
0900 - 0930		**C1) Katsumi Matsumoto** *Flexible stoichiometry of organic matter export on glacial carbon cycle*	**B2) Moriaki Yasuhara** *Deep-sea drilling perspective on paleobiology: "co-evolution" of paleoceanography, paleoecology and macroevolution*	**E2) Xavier Crosta** *Antarctic sea ice in the Pleistocene climate system: Drivers and feedbacks at different timescales*	**Poster session 3**		
0935 - 1005		**B1) Jurgen Titschack** *Cold-water coral mounds – carbonate factories and palaeoarchives in intermediate water depths*	**A2) Anna Nele Meckler** *Clumped isotope thermometry in Cenozoic paleoceanography*	**A1) Susanne Fietz** Understanding the wealth of GDGT-based proxies in paleoceanographic reconstructions, especially the more recently developed hydroxylated GDGTs		**E4) Thomas Felis** *Ocean-atmosphere variability since the last interglacial from annually banded corals*	
1010 - 1040		**E1) Karen Kohfeld** *The role of the Southern Ocean in controlling ocean carbon uptake as the Earth entered the Last Ice Age*	**D3) Kaustubh Thirumalai** *An Indian Ocean El Niño?*	**E3) Julia Gottschalk** *The 'yin-yang' of paleoclimatology: proxy data versus numerical simulations, and their implications for the mechanisms of millennial-scale atmospheric CO2 change*		**F4) Jody Webster** *The response of coral reef systems to sea level rise: lessons from the past to better predict the future*	Coogee to Bondi Coastal Walk 1000 - 1300
1045 - 1115		AGU Coffee break	Coffee break	Coffee break		Coffee break	
1115 - 1145	Surf lesson at Bondi Beach	**F1) Natalya Gomez** *Ice Sheet – Sea Level - Solid Earth Interactions*	**F3) Emilie Capron** *Interglacial global and high-latitude temperatures: insights and perspectives*	**B3) Linda Armbrecht** *Reconstructing past marine life using ancient DNA*		**A4) Thomas Laepple** *Beyond mean climate change: Using paleoclimate archives to better constrain present and future climate variability*	
1150 - 1220		**F2) Timothy Naish** *Mid-Late Pliocene global sea-level and polar ice sheet variability*	**D2) Summer Praetorius** *The role of North Pacific Ocean variability in abrupt deglacial climate events*	**C2) Lucas Lourens** *Hyperthermal events are tipping points for reorganization of global ocean circulation*	Lunch	**D4) Kazuyo Tachikawa** *Neodymium isotopic composition as a proxy of water mass provenance in the Atlantic Ocean: the modern ocean and the past 1200 kyr*	Whale watching
1225 - 1300		Lunch	Lunch	**Bid for ICP14/TOS**	**Michael White** *Nature Publishing Group (12.00-12.45)*	Lunch	
1300 - 1330	Whale watching				**Jerry McManus** Tribute to Wally		
1335 - 1405		**Poster session 1**	**Poster session 2**		**D1) Francesco Pausata** *The Green Sahara and its climatic consequence: from past to future*	**C4) Gert Jan Reichart** *Calcification feedbacks on the global carbon cycle*	
1410 - 1440					**A3) Yama Dixit** *Holocene history of the Indian summer monsoon – perspectives from northwestern India*	**GEOTRACES**	
1445 - 1515					IODP Coffee break	**Poster awards/Closing**	
1515 - 1545				Opera House tour 1445 - 1545	**C3) Matt Huber** *Paleoceanography reveals that Earth has no tropical thermostats but massive polar amplification of warming and sensitivity to forcing is difficult to explain*		
1550 - 1615					**IODP**		
1630 - 1730		**Ed Brook** *Multiple time scales of atmospheric CO2 variability in the late Quaternary*	**James Zachos** *Trends, Rhythms, and Aberrations in Global Climate 66 Ma to Present: Progress Toward a High-Fidelity Perspective*	**Dinner Harbour Cruise** **1630 - 2100**	**Axel Timmermann** *Past climate influences on early human dispersal*		
1730 - late	The Rocks Pub Tour 1800 - 2130	**Ice breaker**			**Paleomusicology concert**		

Key

	Sessions
A	*Proxy development, new model and statistical tools*
B	*Geobiology- new frontiers in paleoceanography linking paleoclimatic changes with biology and evolution*
C	*Carbon-climate feedbacks across time scales*
D	*Ocean circulation and climate system dynamics*
E	*Role of Southern Hemispheric processes*
F	*Ice-sheet/ocean interactions: drivers and impacts*
	Special talks
	Perspective session
	Poster sessions
	Social functions
	Field trips

* *Program is subject to change*