

IPICS 2016 Monday 07 March

Session	Time	Speaker	Talk title (click to view abstract)	#
Welcome Chair: Tas Van Ommen	0845	TBC	Tasmanian Aboriginal Welcome to Country	
		Nick Gales, Director, Australian Antarctic Division		
		Steve Rintoul, ACE CRC		
		Tas Van Ommen, OSC Chair		
		Eric Wolff, IPICS Co- Chair		
	0915	Eric Wolff (Invited keynote)	The IPICS era: successes and opportunities	
Session T01: Major Recent Drilling Projects Chair: Tas Van Ommen	1000	Mark Curran	The Aurora Basin North (ABN) ice core drilling project – an overview and initial results from the 2000 year ice core record..	151
Break	1020			
Session T01 (cont) Chair: Kumiko Goto- Azuma	1050	Nancy Bertler	The Roosevelt Island Climate Evolution (RICE) project	50
	1110	Trevor Popp	Drilling to bedrock at the Renland Ice Cap (RECAP), East Greenland	66
	1130	Yuansheng Li	Recent progress on Chinese deep ice-core drilling project at Dome A	248
	1150	Robert Mulvaney	The Fletcher Promontory ice core drilling project	283
	1210	Kendrick Taylor	The SPICE and WAIS Divide ice core projects	11
Lunch	1230			
Session T02: Glacial/interglacial dynamics, interglacials, and sea level Chair: Joel Pedro	1330	Eric Steig (Keynote)	The water isotope record from the West Antarctic Ice Sheet Divide ice core: implications for Antarctic temperature variability on interannual to orbital timescales	289
	1400	Bernhard Bereiter	Mean ocean temperature change over the last transition based on atmospheric changes in heavy noble mixing ratios	202
	1420	Emilie Capron	A new Last Interglacial temperature data synthesis as an improved benchmark for climate modelling	29
	1440	Camille Bréant	Variability of polar snow densification over the terminations 1, 2 and 3: cases of Vostok and Dome C	203
	1500	Jinho Ahn	Abrupt atmospheric CO2 increases during the last glacial termination	271
Break	1520			
Poster session 1	1530		T01: Major recent drilling projects T02: Glacial/interglacial dynamics, interglacials, and sea level T03: Holocene and last 2000 year climate forcings and variability T05: Age scales and synchronisation between records T07: Millennial variability in glacials and hemispheric coupling	
Film screening	1700		Buses depart conference venue for <i>Ice and the Sky</i> screening Village Cinema	
	1815		Film screening commences	

IPICS 2016 Tuesday 08 March

Session	Time	Speaker	Talk title (click to view abstract)	#
Session T03: Holocene and last 2000 year climate forcings and variability	0830	Barbara Stenni (Keynote)	Reconstructing Antarctic climate over the last 2000 years	113
Chair: Ailie Gallant	0900	Elizabeth Thomas	Twentieth century increase in snowfall in coastal West Antarctica	16
	0920	Tessa Vance	The Law Dome-east Australian rainfall proxy record: current understanding and future work	152
	0940	Nerilie Abram	Climate variability and environmental change on the Antarctic Peninsula during the last millennium	173
	1000	Valérie Masson-Delmotte	Impact of volcanic forcing on northern hemisphere climate during the last millennium	162
Break	1020			
Session T03 (cont) Chair: Eric Steig	1050	Alexey Ekaykin	The climate variability in Indian Ocean sector of East Antarctica over the past 350 years	207
	1110	Diana Vladimirova	Continuous measurements of CH ₄ content in the RECAP ice core, Greenland (preliminary results)	43
	1130	Benoit Lecavalier	The high Arctic Agassiz ice core Holocene climate record	35
	1150	Christoph Nehrbass-Ahles	High Resolution Holocene CO ₂ Record from the TALDICE ice core	216
	1210	Monica Arienzo	Black carbon from two Antarctic ice cores parallels Southern Hemisphere climate during the Holocene	32
	1230	Takuro Kobashi	Greenland temperatures over the Holocene	191
Break	1250			
Session T04: Interpreting proxies and new proxies	1400	Bradley Markle (Keynote)	Moisture transport to West Antarctica constrained by shared water-isotope and ice-impurity variability at millennial to orbital time scales	254
Chair: Rachael Rhodes	1430	Ailie Gallant	Can we use the ERA 20th century reanalysis for extended ice core comparisons with the observational record?	198
	1450	Hans Christian Steen-Larsen	Using in-situ observations of atmospheric water vapor isotopes to benchmark isotope-enabled General Circulation Models and improve ice core paleo-climate reconstruction	20
	1510	Jon Edwards	Millennial scale climate and total air content in the NEEM, GISP2 and WAIS Divide ice cores	285
	1530	Andrea Spolaor	Bromine in the NEEM ice core: a history of Arctic sea ice	58
Break	1550			
Poster session 2	1600		T04: Interpreting proxies and new proxies T08: Biogeochemical cycles	

IPICS 2016 Wednesday 09 March

Session	Time	Speaker	Talk title (click to view abstract)	#
Session T06: Ice dynamics and geophysics	0830	Michelle Koutnik (Keynote)	Holocene accumulation and ice flow near the West Antarctic Ice Sheet Divide ice-core site	190
Chair: Catherine Ritz	0900	Dorthe Dahl-Jensen	NEEM flow properties show differences over Dansgaard-Oeschger events	245
	0920	Adam Treverrow	Using ice core and borehole data from the Dome Summit South (DSS) drilling site to assess the performance of ice flow relations.	65
	0940	Massimo Frezzotti	Decadal migration of Dome C and Talos Dome inferred by global navigation satellite system measurements	114
	1000	Tang Xueyuan	Ice thickness, Internal layers and subglacial bed topography in the vicinity of the Chinese Taishan station of Princess Elizabeth Land, East Antarctica, revealed by grounded radio-echo sounding	98
Break	1020			
Session T10: Non-polar ice cores	1050	Nicole Spaulding	What's in a signal? Examining ultra-high resolution LA-ICP-MS signals for the reconstruction of european climate	230
Chair: Dorthe Dahl-Jensen	1110	Paolo Gabrielli	Co-evolution of atmospheric warming and environmental changes from a new high altitude European ice core	19
	1130	Ping Yao	Climate variability during the past 2000 years archived in the Tanggula ice core on the central Tibetan Plateau	93
	1150	Margit Schwikowski	Filling the gap of millennial temperature reconstructions for Siberia	09
	1210	Fabrice Lambert	Ice core science in Chile	287
Tasmanian Experience	1230		Buses depart conference venue	
Evening at MONA	1715		Board MONA Roma ferry at Brooke St Pier, Hobart waterfront	
	1800		Private viewing of MONA exhibitions	
	1900		Dinner at MONA	
	2230		Ferry arrives back at Brooke St Pier	

IPICS 2016 Thursday 10 March

Session	Time	Speaker	Talk title (click to view abstract)	#
Session T09: New frontiers in retrieval and analysis	0830	Damiano Della Lunga (Keynote)	Evidence of sub-annual stadial to interstadial switch around Greenland stadial 22 (GS-22) inferred from high resolution UV-LA-ICPMS dust records in deep NGRIP ice	266
Chair: Nerilie Abram	0900	Estrella Sanz Rodriguez	The use of capillary-ion chromatography coupled to mass-spectrometry for the identification and quantification of inorganic species and organic acids in sea ice record from Law Dome, Antarctica	147
	0920	Pavlina Pavlova	Effect of percolating melt water on the distribution of organic pollutants in a temperate ice core	206
	0940	Pavel Talalay	The recent progress on drilling project in the region of Gamburtsev Subglacial Mountains, East Antarctica	37
	1000	Thomas Dylan Mikesell	Laser ultrasonic characterization of annual layers in ice cores	77
Break	1020			
Session T05: Age scales and synchronisation between records	1050	Jean Jouzel (Keynote)	An improved North-South synchronization of ice core records around the 41 K beryllium 10 peak	279
Chair: Joe McConnell	1120	Russell Drysdale	Speleothem-based chronologies for Greenland ice cores	239
	1140	Daniel Baggenstos	Insights into Taylor Dome from Taylor Glacier	84
	1200	Sune Olander Rasmussen	A unified ice-core-speleothem time scale?	229
	1220	Florian Adolphi	Assessing the precision and accuracy of the Greenland Ice Core timescale, GICC05, over the last deglaciation	23
	1240	Anna Bourne	Developing a tephra framework for Greenland: the potential for hemispheric synchronisation of palaeoclimatic records	228
Lunch	1300			
Session T07: Millennial variability in glacials and hemispheric coupling	1400	Ed Brook (Keynote)	Abrupt CO2 variations during the last deglaciation and marine isotope stage 3: results from WAIS Divide and Taylor Glacier	249
Chair: Andrew Moy	1430	Christo Buizert	Northern and Southern Hemisphere controls on the Dansgaard-Oeschger cycle	14
	1450	Tyler Robert Jones	A connection between Laurentide ice sheet topography, the El Niño-Southern Oscillation, and West Antarctic climate	1
	1510	Hubertus Fischer	Millennial changes in North American wildfire and soil activity over the last glacial cycle	39
	1530	Alejandra Borunda	Dust Provenance in West Antarctica	97
Break	1550			
Poster session 3	1600		T06: Ice dynamics and geophysics T09: New frontiers in retrieval and analysis T10: Non-polar ice cores T11: Oldest ice and survey geophysics	

IPICS 2016 Friday 11 March

Session	Time	Speaker	Talk title (click to view abstract)	#
T11: Oldest ice and survey geophysics	0830	Duncan Young	Status of detailed ICECAP aerogeophysical surveying for old ice at Dome C	225
Chair: Massimo Frezzotti	0850	Brice van Liefferinge	Probability of detecting 1.5 million year old ice in the divide area between Dome Fuji and Dome Concordia, Antarctica, based on high-resolution thermomechanical modelling	57
	0910	Frédéric Parrenin	Is there 1 million-year old ice near Dome C, Antarctica?	2
	0930	Shuji Fujita	Glaciological conditions of the ice sheet at Dome Fuji, Dronning Maud Land, East Antarctica	282
	0950	Catherine Ritz	Oldest Ice reconnaissance in the vicinity of Concordia. Description of a collaborative data-modelling approach	157
	1010	Jérôme Chappellaz	The SUBGLACIOR probe for reconnaissance of potential oldest ice sites: concept, design and current status	99
Break	1030			
Session T08: Biogeochemical Cycles	1050	David Etheridge (Keynote)	Carbon monoxide concentrations in the southern hemisphere during the past century: reconstructed record and model simulations	199
Chair: Anaïs Orsi	1120	Peter Köhler	On the role of volcanic CO ₂ outgassing in the global carbon cycle on orbital time scales: two case studies from the last glacial cycle	163
	1140	Rachael Rhodes	Methane dynamics in the Last Glacial and deglaciation at millennial to centennial timescales: Implications for tropical hydroclimate	87
	1200	Ji-Woong Yang	Millennial-scale methane variability and North Atlantic climate change during the Early Holocene	232
	1220	Jochen Schmitt	Glacial-Interglacial and Holocene N ₂ O Stable Isotope Changes Constrain Terrestrial N Cycling	52
	1240	Jonas Beck	Bipolar CH ₄ , δ ¹³ CH ₄ and δD(CH ₄) measurements over the Holocene	117
Lunch & poster awards	1300			
Concluding session Chair: Mark Curran	1400	Valérie Masson-Delmotte	AR5 to AR6 : contributions of ice core science to IPCC reports (Invited keynote)	
	1430	ICYS (TBD) Stephen Phipps Hubertus Fischer Dorthe Dahl-Jensen Ed Brook	Future Perspectives: panel rapid presentations	
	1500	Jérôme Chappellaz (Moderator)	Audience Q&A with panel	
	1530	Convenor	Closing comments & wrap up	