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Program at a glance Daily Program

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I Morning Session

S17-I

Paleoenvironmental changes in Antarctica and Southern Oceans since the last Glacial Maximum
2F, GrandBallroom A

Date&Time	July 24 (WED), 10:30-12:30
Convener	J. Etourneau, F. J. Jimenez-Espejo, Y. Yokoyama
Chairperson	J. Etourneau, F. J. Jimenez-Espejo
10:30-10:45	A188 Holocene Glacial Fluctuations across the Antarctic Peninsula <i>Alexander Simms</i> <i>University of California Santa Barbara, USA</i>
10:45-11:00	A314 Ocean temperature control on ice shelf and glacier extent around the Antarctic Peninsula throughout the Holocene <i>Johan Etourneau</i> <i>Instituto Andaluz de Ciencias de la Tierra (IACT), Spain</i>
11:00-11:15	A290 Holocene drivers of biogenic bloom events linked to extratropical teleconnections, offshore Adélie Land, East Antarctica <i>Katelyn M. Johnson</i> <i>GNS Science, New Zealand</i>
11:15-11:30	A461 Have we been right about the timing of the last deglacial in Antarctica? <i>Theresa King</i> <i>University of South Florida, USA</i>
11:30-11:45	A358 Insights on the duration of late Pleistocene ice expansion from in-situ 14C dating of bedrock surfaces <i>Duanne White</i> <i>University of Canberra, Australia</i>
11:45-12:00	A154 Deglacial history of the Anvers-Hugo Trough, western Antarctic Peninsula <i>Zoe Roseby</i> <i>University of Southampton, United Kingdom</i>
12:00-12:15	A395 A HIGH RESOLUTION DEGLACIATION RECORD OF ADÉLIE LAND (EAST ANTARTIC MARGING; IODP SITE U1357A). <i>Francisco J. Jimenez Espejo</i> <i>Instituto Andaluz de Ciencias de la Tierra (IACT), Spain</i>

S02-I

Structure, evolution, and heterogeneity of Antarctica's continental lithosphere
Room #302

Date&Time	July 24 (WED), 10:30-12:30
Convener	J. Jacobs, F. Ferraccioli, A. Läufer, N. Pant, E. Emry, S. Hansen
Chairperson	J. Jacobs, E. Emry
10:30-11:00	A201 Origin and exhumation history of central East Antarctic igneous crust obtained from glacial erratics and by subglacial access drilling <i>* Keynote</i> <i>John Goodge</i> <i>University of Minnesota Duluth, USA</i>
11:00-11:15	A044 A 3D model of Antarctica's lithosphere from integrated and self-consistent modelling and its implications for GIA

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12:15-12:30	A469 Locating the East-west Antarctica boundary beneath the Ross ice shelf <i>Kirsty Tinto</i> LDEO Columbia University, USA
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S20

Evolution of the biota of West Antarctica: a Gondwana perspective

Room #306

Date&Time	July 24(WED), 10:30-12:30
Convener	Soledad Gouiric-Cavalli, Marcelo Reguero
Chairperson	TBD
10:30-11:00 * Keynote	A418 The paleontological heritage of Fossil Hill Formation on the King George Island. An Early Eocene Lagerstätten from Antarctic? <i>Hector Mansilla Vera</i> Chilean Antarctic Institute, INACH, Chile
11:00-11:15	A381 Variation in fatty acid composition and diet of Antarctic krill (<i>Euphausia superba</i>) in the Bransfield Strait during autumn 2017 and 2018 <i>Bo Deng</i> ShangHai Ocean University, China
11:15-11:30	A380 Otolith edge chemistry reveals the role of water mass in structuring <i>Electrona antarctica</i> population in the Antarctic Circumpolar Current system <i>Mi Duan</i> Shanghai Ocean University, , China
11:30-11:45	A475 The Cytological, Microbiological and Ophthalmic Evaluation of Ocular Surface Samples Taken from Penguin Species of the Antarctic Peninsula : Preliminary evaluation of the results belong to ten eye swabs <i>Latife Cakir Bayram</i> Erciyes University, Turkey

Afternoon Session

S17-II

Paleoenvironmental changes in Antarctica and Southern Oceans since the last Glacial Maximum

2F, GrandBallroom A

Date&Time	July 24 (WED), 15:00-16:00
Convener	J. Etourneau, F. J. Jimenez-Espejo, Y. Yokoyama
Chairperson	J. Etourneau, F. J. Jimenez-Espejo
15:00-15:15	A036 Coupled Iron and Carbon Cycling in the Southern Ocean and Impacts on Global Climate <i>Bridget Lee</i> University of California Riverside, USA
15:15-15:30	A120 Biogeochemical modification of clay minerals in Antarctic region: Implications <i>Jinwook Kim</i> Yonsei University, Korea
15:30-15:45	A140 Towards the complete mineralogical screening of Antarctic biogenic carbonates <i>Claudio Mazzoli</i> University of Padova, Italy
15:45-16:00	A284 Subglacial Carbon Pathways Associated with Whillans and Mercer ice streams: A SALSA and WISSARD Sedimentary Perspective <i>Ryan Venturelli</i> University of South Florida, USA

S13

Past Climate Variability of the Southern Ocean and its Global Teleconnections

2F, GrandBallroom A

Date&Time	July 24 (WED), 16:00-17:00
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 16:45-17:00 *Michael Bollen* *University of Otago, New Zealand*

S02-II


Structure, evolution, and heterogeneity of Antarctica's continental lithosphere

 Room #302

Date&Time	July 24 (WED), 15:00-17:30
Convener	J. Jacobs, F. Ferraccioli, A. Läuffer, N. Pant, E. Emry, S. Hansen
Chairperson	F. Ferraccioli, N. Pant
15:00-15:30	A286 South Georgia microcontinent: current tectonic setting from GPS and marine seismic data <i>Ian Dalziel</i> <i>The University of Texas at Austin, USA</i>
15:30-15:45	A303 Relative plate motion between East and West Antarctica since the Eocene: what we know and what we don't <i>Roi Granot</i> <i>Ben Gurion University, Israel</i>
15:45-16:00	A324 Geometry and Neogene evolution of Terror Rift, western Ross Sea, Antarctica <i>Chiara Sauli</i> <i>Istituto Nazionale di Oceanografia e Geofisica Sperimentale, Italy</i>
16:00-16:15	A464 Heterogeneous crustal motions across West Antarctica <i>Terry Wilson</i> <i>The Ohio State University, USA</i>
16:15-16:30	A473 UPPER MANTLE P-WAVE VELOCITY STRUCTURE BENEATH THE NORTHERN VICTORIA LAND: THE POSSIBLE HEAT SOURCE OF THE VOLCANOS <i>Yongcheol Park</i> <i>Korea Polar Research Institute, Korea</i>
16:30-17:45	A444 A tectonic control on the timing, chemistry and scale of voluminous pulsed intrusive magmatism: Evidence from the Lassiter Coast, Antarctic Peninsula <i>Alex Burton-Johnson</i> <i>British Antarctic Survey, United Kingdom</i>
16:45-17:00	A321 Late Triassic magmatism of Antarctic Peninsula and its implications for the Gondwanan margin of West Antarctica: a revised tectonic evolution <i>Joaquin Bastias</i> <i>University of Geneva, Switzerland</i>
17:00-17:15	A319 Mantle viscosity structure and lithosphere thickness beneath Antarctica <i>Douglas Wiens</i> <i>Washington University in St. Louis, USA</i>

S06

Antarctic geothermal heat flux

 Room #306

Date&Time	July 24 (WED), 15:00-17:30
Convener	Jacqueline Halpin, Alex Burton-Johnson, Ricarda Dziadek, Weisen Shen, Kenichi Matsuoka
Chairperson	Ricarda Dziadek, Weisen Shen
15:00-15:30	A216 Geothermal heat flow and its influence at the base of polar ice sheets <i>* Keynote</i> <i>Yasmina M Martos</i> <i>NASA Goddard Space Flight Center/University of Maryland, USA</i>
15:30-15:45	A357 A seismologically determined geothermal heat flux map of Antarctica <i>Weisen Shen</i> <i>Stony Brook University, USA</i>
15:45-16:00	A456 Antarctic Geothermal Heat Flux: Past, Present and Future perspectives <i>Fausto Ferraccioli</i> <i>NERC/British Antarctic Survey, United Kingdom</i>
16:00-16:15	A082 Linking Antarctic geological observations and geophysical data in a probabilistic space. <i>Tobias Staal</i> <i>University of Tasmania, Australia</i>
16:15-16:30	

