

## Oral Presentation List

No.	Day	Time	Presenter	Institution/Organization	Abstract no.	Session no.	Title
1	MON	11:00-11:30	John Smellie	School of Geography, Geology & the Environment/University of Leicester	A239	01	Victoria Land volcanism – a review
2	MON	11:30-11:45	Amin Beiranvand Pour	Korea Polar Research Institute	A205	01	Geological mapping in Morozumi Range and Helliwell Hills areas, Northern Victoria Land (NVL), Antarctica using remote sensing imagery
3	MON	11:45-12:00	Jusun Woo	Seoul National University	A345	01	Lithostratigraphy, biostratigraphy, and geochronology of the Bowers Supergroup in northern Victoria Land, Antarctica
4	MON	12:00-12:15	Taehwan Kim	Seoul National University	A291	01	The Ediacaran continental rifting overprinted by the Cambrian Ross orogeny along the East Gondwana margin: new evidence from the Lanterman Range eclogite in northern Victoria Land
5	MON	12:15-12:30	Yoonsup Kim	Chungbuk National University	A483	01	Preliminary reconnaissance of the Grenville basement and its Ross perturbation: contrasting zircon and monazite ages in a migmatitic gneiss from the Priestley Schist, northern Victoria Land, Antarctica
6	MON	12:30-12:45	Moonsup Cho	Chungbuk National University	A355	01	Early Paleozoic linkage between the Ross Orogen, Antarctica, and Korean Peninsula: A perspective from U-Pb detrital zircon ages of Cambrian–Ordovician sandstones in the Taebaeksan Basin, Korea
7	MON	15:00-15:30	David Elliot	Ohio State University	A334	01	Mesozoic volcanism in the Transantarctic Mountains
8	MON	15:30-15:45	Frank Lisker	University of Bremen	A377	01	The youth of the Transantarctic Mountains: Late Mesozoic highland or sedimentary basin?
9	MON	15:45-16:00	Andreas Laufer	Federal institute for geosciences and natural resources (bgr)	A386	01	REGGAE: Tectonic history of the Rennick Graben (Antarctica) - International effort for Geology and Aeromagnetic Exploration
10	MON	16:00-16:15	LAURA CRISPINI	DISTAV - UNIVERSITY OF GENOVA	A374	01	Hydrothermal fluids and fracturing along faults in the Rennick Graben (northern Victoria Land, Antarctica): a microstructural study
11	MON	16:15-16:30	Benjamin bomfleur	Palaeobotany Research Group, Westfälische Wilhelms-Universität Münster, Germany	A173	01	A palynostratigraphic age assessment of Permian and Triassic sedimentary deposits in the Helliwell Hills, central Rennick Glacier area
12	MON	16:30-16:45	Jan Unverferth	Palaeobotany Research Group, Institut für Geologie und Palaeontologie, Westfälische Wilhelms-Universität Muenster	A177	01	GANOVEX XIII: New plant-fossil sites in the Permian to Jurassic Victoria Group (Beacon Supergroup) in Victoria Land, Antarctica
13	MON	16:45-17:00	valentina corti	University of Siena	A442	01	Reconstruction of paleoenvironmental change through paleo-dendrochronology analysis of a Triassic polar forest in Allan Hills (Antarctica)
14	WED	10:30-11:00	John Goodge	University of Minnesota Duluth	A201	02	Origin and exhumation history of central East Antarctic igneous crust obtained from glacial erratics and by subglacial access drilling
15	WED	11:00-11:15	Folker Pappa	Kiel University, Institute of Geosciences	A044	02	A 3D model of Antarctica's lithosphere from integrated and self-consistent modelling and its implications for GIA
16	WED	11:15-11:30	Ian Fitzsimons	Curtin University	A423	02	Spatial variations in effective elastic thickness reveal the subglacial lithospheric structure of Antarctica
17	WED	11:30-11:45	Alan Aitken	The University Of Western Australia	A125	02	New magnetic data processing methods give better data for better geology
18	WED	11:45-12:00	Andrew Lloyd	Washington University in Saint Louis	A415	02	Radially Anisotropic Seismic Structure of the Antarctic Upper Mantle Based on Full Waveform Adjoint Tomography
19	WED	12:00-12:15	Fausto Ferraccioli	NERC/British Antarctic Survey	A326	02	Tectonic and magmatic evolution of a distributed plate boundary in the South Pole Frontier
20	WED	12:15-12:30	Kirsty Tinto	LDEO Columbia University	A469	02	Locating the East-West Antarctica boundary beneath the Ross Ice Shelf
21	WED	15:00-15:30	Ian Dalziel	Institute for Geophysics, The University of Texas at Austin	A286	02	South Georgia microcontinent: current tectonic setting from GPS and marine seismic data
22	WED	15:30-15:45	Roi Granot	Ben Gurion University	A303	02	Relative plate motion between East and West Antarctica since the Eocene: what we know and what we don't
23	WED	15:45-16:00	Chiara Sauli	OGS	A324	02	Geometry and Neogene evolution of Terror Rift, western Ross Sea, Antarctica
24	WED	16:00-16:15	Jinyao GAO	Second Institute of Oceanography, SOA, China	A455	02	Geophysical Interpretation on Tectonic Framework of the Ross Sea Continental Shelf
25	WED	16:15-16:30	Terry Wilson	Ohio State University	A464	02	Heterogeneous crustal motions across West Antarctica
26	WED	16:30-16:45	Yongcheol Park	Korea Polar Research Institute	A473	02	UPPER MANTLE P-WAVE VELOCITY STRUCTURE BENEATH THE NORTHERN VICTORIA LAND: THE POSSIBLE HEAT SOURCE OF THE VOLCANOS
27	WED	16:45-17:00	Alex Burton-Johnson	British Antarctic Survey	A444	02	A tectonic control on the timing, chemistry and scale of voluminous pulsed intrusive magmatism: Evidence from the Lassiter Coast, Antarctic Peninsula
28	WED	17:00-17:15	Joaquin Bastias	University of Geneva	A321	02	Late Triassic magmatism of Antarctic Peninsula and its implications for the Gondwanan margin of West Antarctica: a revised tectonic evolution
29	WED	17:15-17:30	Douglas Wiens	Washington University in Saint Louis	A319	02	Mantle viscosity structure and lithosphere thickness beneath Antarctica
30	THU	10:30-11:00	Graeme Eagles	Alfred Wegener Institute	A394	02	Achievements and aspirations of AWI airborne geophysics in Antarctica
31	THU	11:00-11:15	Hyung Rae Kim	Kongju National Univ.	A347	02	Lithospheric magnetic anomaly modelling from Antarctic near-surface and satellite observations
32	THU	11:15-11:30	Simon Wilde	Curtin University	A116	02	Crustal Evolution of the Archaean Napier Complex

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No.	Day	Time	Presenter	Institution/Organization	Abstract no.	Session no.	Title
33	THU	11:30-11:45	Evgenii Mikhalskii	VNIOkeangeologia	A049	02	The early Mesoproterozoic Filla Series in the Rauer Islands: a possible fragment of the long-lived Fraser–Fisher–Ongole oceanic realm
34	THU	11:45-12:00	Joachim Jacobs	Department of Earth Science, University of Bergen	A333	02	Proterozoic evolution of central Dronning Maud Land (East Antarctica) from Rodinia to Gondwana
35	THU	12:00-12:15	Joachim Jacobs	Department of Earth Science, University of Bergen	A332	02	Neoproterozoic geodynamic evolution of easternmost Kalahari: Constraints from new U-Pb-Hf-O zircon and Sm-Nd isotope data of basement rocks from the Schirmacher Oasis, East Antarctica
36	THU	12:15-12:30	Naresh Chandra Pant	University of Delhi	A092	02	Corroboration of a branched Pan-African suture in Princess Elizabeth Land
37	THU	15:00-15:15	Jörg Ebbing	Kiel University	A040	02	Combining satellite and aeromagnetic data in Antarctica – pitfalls and opportunities
38	THU	15:15-15:30	Zhengyang Zhou	Washington University in St. Louis	A325	02	Crustal and Uppermost Mantle Radial Anisotropy beneath Antarctica from Surface Wave Ambient Noise Tomography
39	THU	15:30-15:45	Jamin Greenbaum	University of Texas Institute for Geophysics	A437	02	Assembly and breakup of Indo-Antarctica revealed
40	THU	15:45-16:00	Alessandro MARITATI	Institute for Marine and Antarctic Studies, University of Tasmania, Australia	A195	02	Permian-Triassic rifting shaped subglacial landscape of western Wilkes Land, East Antarctica
41	THU	16:00-16:15	Liu Chenguang	The First Institute of Oceanography, Ministry of Natural Resources	A168	02	Geophysical characteristics and tectonic evolutions of Jane basin, Weddell Sea
42	THU	16:15-16:30	Daeyeong Kim	Korea Polar Research Institute	A087	02	Microstructures of peridotites from the Mount Melbourne, Antarctica
43	THU	16:30-16:45	Xiao-Gang Hu	Institute of geodesy and geophysics, Chinese academy of sciences	A174	02	Observations of the azimuthal dependence of normal mode coupling at the South Pole and its nearby stations: Insights into azimuthal anisotropy beneath the Transantarctic Mountains
44	TUE	10:30-11:00	Graham Hill	Gateway Antarctica	A066	04	Imaging structural controls on the Erebus volcano magmatic system, Antarctica using the magnetotelluric method
45	TUE	11:00-11:15	Choon-Ki Lee	Korea Polar Research Institute	A330	04	Geoelectric structure of Mt. Melbourne, Antarctica from magnetotelluric data
46	TUE	11:15-11:30	Glenn GAETANI	Woods Hole Oceanographic Institution	A064	04	Magma Storage and Ascent Beneath the Erebus Volcanic Province, Antarctica: Insights from Olivine-Hosted Melt Inclusions
47	TUE	11:30-11:45	Kurt Panter	Bowling Green State University	A143	04	Origin and evolution of basalt from Earth's southernmost volcanoes
48	TUE	11:45-12:00	Jihyuk Kim	School of Earth and Environmental Sciences, Seoul National University	A260	04	Evolution of Alkaline Magma Systems: Insight from Coeval Evolution of Sodic and Potassic Fractionation Lineages at The Pleiades Volcanic Complex
49	TUE	12:00-12:15	Jodi Fox	University of Tasmania	A448	04	The petrology of fresh submarine lavas from recent phonolitic volcanism on the Central Kerguelen Plateau, southern Indian Ocean
50	TUE	12:15-12:30	Anne Grunow	Byrd Polar & Climate Research Center, Ohio State University	A063	04	The Polar Rock Repository: a Scientific Resource for the Volcanology Community
51	TUE	15:00-15:30	John Smellie	School of Geography, Geology & the Environment/University of Leicester	A134	04	The role of volcanism in the making of Antarctica
52	TUE	15:30-15:45	David Elliot	Ohio State University	A085	04	Ferric magma distribution: line source or restricted source and long distance transport?
53	TUE	15:45-16:00	Maria Luisa Tejada	Japan Agency for Marine-Earth Science and Technology	A099	04	Emplacement history of the volcanic sequence at Site U1513, Naturaliste Plateau and Mentelle Basin, IODP Expedition 369
54	TUE	16:00-16:15	Alessio Di Roberto	Istituto Nazionale di Geofisica e Vulcanologia	A107	04	Marine tephra record of a Holocene caldera-forming eruption of Mt. Rittmann, Antarctica: volcanological reconstruction and perspectives for its use as tephrostratigraphic marker in the Ross Sea
55	TUE	16:15-16:30	John Smellie	School of Geography, Geology & the Environment/University of Leicester	A135	04	Glaciovolcanic studies 300 km from South Pole: evidence for a highly dynamic Early Miocene East Antarctic Ice Sheet
56	TUE	16:30-16:45	Paola Del Carlo	Istituto Nazionale di Geofisica e Vulcanologia	A192	04	Englacial tephra layers at Mt Melbourne (Antarctica): implications for recent volcanic activity
57	TUE	16:45-17:00	Adam Martin	GNS Science	A247	04	An uncommonly well-exposed Miocene caldera interior at Mason Spur, Antarctica: unusual trachytic spatter-rich lapilli tuff facies amid evidence for voluminous eruptions
58	TUE	17:00-17:15	Gi-bom Kim	Gyeongsang National University	A428	04	Shield Nunatak: An englacial tuya in the Melbourne volcanic field
59	TUE	17:15-17:30	Alex Burton-Johnson	British Antarctic Survey	A467	04	Death of an Arc: Exploring the 20 Ma cessation of the Antarctic Peninsula volcanic arc
60	TUE	10:30-11:00	Yoichi Motoyoshi	National Institute of Polar Research	A370	05	Letters from deep crust - What we received from Antarctica and Gondwana
61	TUE	11:00-11:30	Yue Zhao	Institute of Geomechanics, Chinese Academy of Geological Sciences	A432	05	The Early History and Tectonic Framework of East Antarctica, Knowledge from the Subglacial Geology: A review
62	TUE	11:30-11:45	Evgenii Mikhalskii	VNIOkeangeologia	A046	05	The architecture of late Neoproterozoic – Cambrian Prydz orogen from new U–Pb zircon data, and some implications on its formation
63	TUE	11:45-12:00	Wei Wang	Institute of Geomechanics, Chinese Academy of Geological Sciences	A153	05	Ediacaran-Cambrian metamorphic evolution of the granulite terranes in the Larsemann Hills, East Antarctica: Response to the assembly of the East Gondwana.
64	TUE	12:00-12:15	Xiaochun Liu	Institute of Geomechanics, Chinese Academy of Geological Sciences	A155	05	Early Neoproterozoic granulite facies metamorphism and possible Cambrian reworking at Mount Brown, East Antarctica

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No.	Day	Time	Presenter	Institution/Organization	Abstract no.	Session no.	Title
65	TUE	12:15-12:30	Jianmin Hu	Institute of Geomechanics, Chinese Academy of Geological Sciences	A163	05	Sequences of the Metamorphic Complex, Tectonic Framework and Deformation Evolution in Larsemann Hills, Eastern Antarctica
66	TUE	15:00-15:30	Ian Fitzsimons	Curtin University	A429	05	Ediacaran-Cambrian orogenesis in Gondwana – where were the Pan-African mountains?
67	TUE	15:30-15:45	Satish Kumar Madhusoodhan	Niigata University	A299	05	Isotope geochemistry of metacarbonate rocks in continental collision zones as proxies for estimating the sedimentation age and understanding the tectonic setting of deposition
68	TUE	15:45-16:00	John Goodge	University of Minnesota Duluth	A258	05	Ross Orogen: One-hundred forty-five million years of Gondwana-margin convergent plate evolution
69	TUE	16:00-16:15	Tomokazu Hokada	National Institute of Polar Research	A318	05	Dronning Maud Land - Enderby Land connection: views from metamorphic and geochronologic records in Rayner and Western Rayner Complexes, East Antarctica
70	TUE	16:15-16:30	Masaaki Owada	Department of Earth Sciences/Yamaguchi University	A067	05	Proterozoic magma activities and formation of collision zone in the Sør Rondane Mountains, eastern Dronning Maud Land, East Antarctica
71	TUE	16:30-16:45	Geoffrey Grantham	University of Johannesburg	A072	05	THE CAMBRIAN UPLIFT HISTORY OF W. DRONNING MAUD LAND, ANTARCTICA: NEW 40AR/39AR AND SR AND ND DATA.
72	TUE	16:45-17:00	Conrad Groenewald	Council for Geoscience	A447	05	New geochemical data from central Dronning Maud Land: Implications for Gondwana reconstruction.
73	TUE	17:00-17:15	Paula Castillo	University of Münster	A401	05	Context of the Ellsworth Mountains within East Antarctica and relationship with Laurentia
74	TUE	17:15-17:30	MAYURI PANDEY	DEPARTMENT OF GEOLOGY	A282	05	Investigating the geological terrains hidden beneath the thick ice cover of Princess Elizabeth Land, Antarctica
75	WED	15:00-15:30	Yasmina M Martos	NASA Goddard Space Flight Center/University of Maryland	A216	06	Geothermal heat flow and its influence at the base of polar ice sheets
76	WED	15:30-15:45	Weisen Shen	Stony Brook University	A357	06	A seismologically determined geothermal heat flux map of Antarctica
77	WED	15:45-16:00	Fausto Ferraccioli	NERC/British Antarctic Survey	A456	06	Antarctic Geothermal Heat Flux: Past, Present and Future perspectives
78	WED	16:00-16:15	Tobias Staal	University of Tasmania	A082	06	Linking Antarctic geological observations and geophysical data in a probabilistic space.
79	WED	16:15-16:30	John Goodge	University of Minnesota Duluth	A053	06	Crustal heat production and terrestrial heat flow in central East Antarctica, with implications for thermal input to the East Antarctic ice sheet
80	WED	16:30-16:45	Kenichi Matsuoka	Norwegian Polar Institute	A075	06	Bed diagnosis in the Dome Fuji region, East Antarctica, using airborne radar data and englacial attenuation estimates
81	WED	16:45-17:00	Enrica Quartini	University of Texas Institute for Geophysics	A420	06	Testing the hotspot hypothesis for Marie Byrd Land, West Antarctica using ice penetrating radar
82	WED	17:00-17:15	Erica Emry	New Mexico Tech	A413	06	Prominent mantle transition zone thinning beneath the Central Transantarctic Mountains
83	WED	17:15-17:30	Robert Mulvaney	British Antarctic Survey	A265	06	Estimating geothermal heat flux from ice sheet borehole temperature measurements
84	TUE	15:00-15:30	Howie D. Scher	School of the Earth, Ocean, and Environment University of South Carolina	A480	07	Commotion in the ocean revisited; putting tectonic gateways in their place
85	TUE	15:30-15:45	Andrew Lloyd	Washington University in Saint Louis	A414	07	Decoding Cenozoic Tectonics in Patagonia, the Scotia Sea, and the Antarctic Peninsula from New Seismic Tomography
86	TUE	15:45-16:00	Yue Zhao	Institute of Geomechanics, Chinese Academy of Geological Sciences	A156	07	The final subduction of the Phoenix plate beneath the Antarctic Peninsula: A prelude to the opening of the deep Drake Passage oceanic gateway
87	TUE	16:00-16:15	Joaquin Bastias	University of Geneva	A341	07	Cenozoic magmatism along the Antarctic Peninsula: a new key to constrain Phoenix plate subduction and the development of the Scotia Arc
88	TUE	16:15-16:45	Carlota Escutia	Spanish Research Council (CSIC-Univ Granada)	A485	07	TBA
89	TUE	16:45-17:00	Jesus Galindo-Zaldivar	IACT (CSIC- Universidad de Granada)	A407	07	Early stages of oceanic spreading in the NE extremity of Antarctic Peninsula: relationships between Ona and Powell basins
90	TUE	17:00-17:15	Adrian Lopez-Quiros	Spanish National Research Council (CSIC)	A266	07	The South Orkney Microcontinent: an open door in the Weddell Sea mirroring the Cenozoic climate and tectonic impact of the opening of Drake Passage
91	TUE	17:15-17:30	Isabel Sauermilch	University of Tasmania / Institute for Marine and Antarctic Studies	A202	07	Modelling with high-resolution bathymetry demonstrates tectonic gateway induced cooling of Antarctica
92	THU	15:00-15:30	Kirsty Tinto	LDEO Columbia University	A463	08	Bathymetry and history of the Ross Ice Shelf
93	THU	15:30-16:00	Guy Paxman	Durham University	A042	08	Reconstructions of Antarctic palaeotopography since the Eocene–Oligocene boundary and implications for ice sheet behaviour
94	THU	16:00-16:15	Alan Aitken	The University Of Western Australia	A038	08	A spatial-statistical assessment of the likely detritus supply from past ice-sheet changes in Wilkes Land, East Antarctica.
95	THU	16:15-16:30	Paul Winberry	Central Washington University	A458	08	Geologic Structure of the Crany Ice Rise
96	THU	16:30-16:45	felix Norman Teferle	University of Luxembourg	A327	08	Present-Day Land and Sea Level Changes around South Georgia Island: Results from Precise Levelling, GNSS, Tide Gauge and Satellite Altimetry Measurements

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97	THU	16:45-17:00	Katharina Hochmuth	University of Leicester	A181	08	A suite of paleobathymetric grids of the Cenozoic Southern Ocean - a key to understanding the interlinked evolution of ocean circulation patterns and the Antarctic ice sheets
98	THU	17:00-17:15	Xiangbin Cui	Polar Research Institute of China	A101	08	Four seasons' airborne survey in the Princess Elizabeth Land, the largest data gap of Antarctica
99	THU	17:15-17:30	Peter Fretwell	British Antarctic survey	A093	08	Bedmap3: the vision for a new ice thickness and subglacial topography dataset
100	TUE	10:30-10:45	Wai Ng	Geological Mnng and Metallurgical Institute	A421	09	Thermal regime of the active layer and permafrost below the Machu Picchu Peruvian station (Antarctic Peninsula): Preliminary results
101	TUE	10:45-11:00	Steph McLennan	Geoscience Australia	A089	09	Geomorphology and landscape vulnerability of the ice-free Vestfold Hills, East Antarctica
102	TUE	11:00-11:15	Mustafa Senkaya	Karadeniz Technical University	A109	09	Permafrost of Barton Peninsula: Surveys by Seismic Tomography, Active Surface Waves and Microtremors
103	TUE	11:15-11:30	Kim Kwansoo	KOPRI	A350	09	A case study of vegetation variation in permafrost using Geophysical methods near the King-Sejong Station
104	TUE	11:30-11:45	Stefano Ponti	University of Insubria	A241	09	Dynamics of frost mounds and icing blisters in perennially frozen lake in continuous permafrost areas of continental Antarctica (Terra Nova Bay, 74° S)
105	FRI	10:30-10:45	Maribel Guzman	Pontificia Universidad Católica del Perú	A141	26	Pollution assessment in the Bransfield Strait in the Antarctic
106	TUE	11:45-12:00	Kate Swanger	University of Massachusetts Lowell	A142	09	Burial of cold-based glacier ice in the McMurdo Dry Valleys, Antarctica
107	TUE	12:00-12:15	Eliseo Flores	CONICET	A412	09	Genetic particularities of rock glaciers and proglacial lobes in James Ross Island, Antarctic Peninsula
108	TUE	12:15-12:30	Ivan Alekseev	Saint Petersburg State University/Arctic and Antarctic Research Institute	A096	09	Characterization of ornithogenic factor in soil-forming processes in Maritime Antarctica
109	THU	15:00-15:15	Cliff Atkins	Victoria University of Wellington	A217	10	Too cold, too dry and no dust: McMurdo Dry Valleys, Antarctica
110	THU	15:15-15:45	Kate Swanger	University of Massachusetts Lowell	A139	10	Holocene stream degradation of pre-Holocene buried ice in the Dry Valleys: using optically stimulated luminescence dating of fluvial deposits
111	THU	15:45-16:00	David Elliot	Ohio State University	A233	10	Pre-middle Miocene landslide deposits in the central Transantarctic Mountains
112	THU	16:00-16:15	Mauro Guglielmin	Insubria University, Dep. Theoretical and Applied Sciences	A246	10	Spatio-temporal variability of Antarctic tafoni. Are thermal events directly responsible for cavernous weathering?
113	THU	16:15-16:30	Joseph Levy	Department of Geology - Colgate University	A059	10	Moisture after midnight: Inferred widespread soil salt deliquescence in McMurdo Dry Valleys soils during late-night relative humidity peaks
114	FRI	10:30-10:45	Erica Spain	Institute for Marine and Antarctic Studies	A129	11	Seafloor geometry under the Sørsvold ice shelf, East Antarctica
115	FRI	10:45-11:00	Alix Post	Geoscience Australia	A050	11	Topographic and substrate control on active icesheet retreat during the Late Holocene, offshore Windmill Islands, Antarctica
116	FRI	11:00-11:15	Dominic Hodgson	British Antarctic Survey	A232	11	Past and future dynamics of the Brunt Ice Shelf from seabed bathymetry, ice shelf geometry, and instrumental data
117	FRI	11:15-11:30	Jan Erik Arndt	Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research	A243	11	Past ice dynamics and unusual ramp bedforms offshore Brunt Ice Shelf, Weddell Sea
118	FRI	11:30-11:45	Dustin Schroeder	Stanford University	A017	11	A subglacial hydrologic switching hypothesis for silt sorting and deposition during ice sheet retreat in the in the Amundsen Sea Embayment.
119	FRI	11:45-12:15	Robert Larter	British Antarctic Survey	A309	11	Insights into controls on Thwaites Glacier retreat from new high-resolution bathymetry and related data
120	MON	11:00-11:30	Florence Colleoni	Istituto Nazionale di Oceanografia e Geofisica Sperimentale (OGS)	A045	12	Ice-sheet ocean interactions at Hillary Canyon through time (Eastern Ross Sea, Antarctica)
121	MON	11:30-11:45	Lara Perez	British Antarctic Survey	A052	12	Miocene ice sheet oscillations in the Ross Sea embayment based on preliminary results of log-seismic correlations
122	MON	11:45-12:00	Sookwan kim	Korea Polar Research Institute	A249	12	Antarctic ice-sheet behavior in the Ross Sea outer continental margin in the late Miocene to early Pliocene from preliminary results of regional seismic stratigraphy and IODP Site U1522
123	MON	12:00-12:15	Rudy Conte	Ca Foscari University of Venice/ Istituto Nazionale di Oceanografia e Geofisica Sperimentale (OGS)	A231	12	The ODYSSEA Contourite Depositional System. Interpretation of seismic reflection profiles collected between the Iselin Bank and the Hillary Canyon (Ross Sea).
124	MON	12:15-12:30	Tim van Peer	University of Southampton	A393	12	Pleistocene deep-water oxygenation during interglacial events in the Ross Sea, Antarctica: palaeomagnetic results from IODP Exp. 374
125	MON	12:30-13:00	Amelia Shevenell	University of South Florida College of Marine Science	A351	12	Early to middle Miocene oceanographic conditions in the Ross Sea, Antarctica
126	MON	15:00-15:30	Richard Levy	GNS Science	A262	12	Climate thresholds, marine ice sheet expansion, and the role of sea ice across the Miocene Climate Transition.
127	MON	15:30-15:45	Sangbeom Ha	Pusan National University	A292	12	Glacio-marine sedimentation influenced by the Ross Ice Sheet in the continental slope and rise to the east of Pennell-Iselin Banks in the Ross Sea
128	MON	15:45-16:00	Philip J. Bart	Louisiana State University	A482	12	Estimates of West Antarctic Ice Sheet sediment and ice flux of the Bindschadler Ice Stream during the post-LGM

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No.	Day	Time	Presenter	Institution/Organization	Abstract no.	Session no.	Title
129	MON	16:00-16:15	Christina Hulbe	University of Otago	A121	12	Beyond J9: New observations of the hidden ocean and sea floor sediments beneath the Ross Ice Shelf, West Antarctica
130	MON	16:15-16:30	Chiara Sauli	OGS	A331	12	The dynamism of valley glaciers along the Borchgrevink coast (North Victoria Land, Antarctica) archived in the offshore Quaternary seabed landforms and within the Miocene buried glacio-fluvial delta
131	MON	16:30-16:45	Greer Gilmer	University of Otago	A426	12	Early Holocene sea-ice changes in the northwestern Ross Sea
132	MON	16:45-17:00	Hyun Hee Rhee	Korea University / Korea Institute of Science and Technology	A076	12	Cosmogenic evidence for MIS 4 timing of the local LGM in Terra Nova Bay, Antarctica
133	MON	17:00-17:15	Jamey Stutz	Antarctic Research Centre at Victoria University of Wellington	A218	12	Rapid and Dynamic Mid-Holocene Thinning of David Glacier, Antarctica
134	WED	15:00-15:15	Grace Duke	University of Otago	A416	13	Pliocene-Pleistocene surface productivity along the Wilkes Land Margin, East Antarctica
135	WED	15:15-15:30	Manish Tiwari	National Centre for Polar and Ocean Research	A342	13	Revisiting 'Iron Hypothesis': Productivity Variability at the Subtropical Front on Multi-Millennial Timescale
136	WED	15:30-15:45	Michael Bollen	University of Otago	A211	13	Effects of environmental conditions on diatom communities and the $\delta^{13}C$ of particulate organic matter in Terra Nova Bay.
137	WED	15:45-16:00	Libao Gao	First Institute of Oceanography	A077	13	Recent change in SAMW and its impact on the Southern Ocean warming
138	THU	10:30-11:00	Taryn Noble	University of Tasmania	A148	14	Early resumption of dense shelf water production during the past deglaciations
139	THU	11:00-11:15	Jae Il Lee	Korea Polar Research Institute	A190	14	Late Quaternary carbonate dissolution cycle recorded in southern Drake Passage sediments
140	THU	11:15-11:30	german Leitchenkov	Research Institute for Geology and Mineral Resources of the World Ocean	A061	14	Post-breakup deposition off Prydz Bay (East Antarctica) with Focus on Cenozoic Environments
141	THU	11:30-11:45	Karsten Gohl	Alfred Wegener Institute, Helmholtz-Center for Polar and Marine Research	A209	14	Continuous late Miocene to present records on West Antarctic Ice Sheet dynamics: Summary of IODP Expedition 379 to the Amundsen Sea
142	THU	11:45-12:00	Mike Weber	University of Bonn, Steinmann Institute	A193	14	Iceberg Alley and South Falkland Slope Ice and Ocean Dynamics
143	THU	12:00-12:30	Sunghan Kim	Korea Polar Research Institute	A213	14	Paleoceanographic changes in the Southern Ocean off Elephant Island since the Last Glacial Maximum
144	THU	15:0-15:30	Tim Naish	Victoria University of Wellington	A302	14	Antarctic-driven Pliocene global sea-level variability
145	THU	15:30-15:45	Sean Gulick	University of Texas at Austin	A427	14	Proximal Aurora Basin records of glacial extent, subglacial hydrology, ice routing, and paleoenvironment: Keys to understanding climate sensitivity of the East Antarctic Ice Sheet
146	THU	15:45-16:00	Amelia Shevenell	University of South Florida College of Marine Science	A404	14	East Antarctic Ice Sheet evolution and paleoclimate of the Aurora Subglacial Basin since the Late Cretaceous: Proposed geologic drilling on the Sabrina Coast continental shelf
147	THU	16:00-16:30	Juliane Müller	Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research	A255	14	Ice-shelf and sea-ice dynamics: the biomarker perspective
148	THU	16:30-16:45	Carlota Escutia	Spanish Research Council (CSIC-Univ Granada)	A460	14	Insights into the Oligocene-Miocene transition at the Wilkes-Adelie Land margin
149	THU	16:45-17:00	Young Kyu Park	Yonsei University	A119	14	Identification of elemental composition of smectite tracing the sediment provenance in the glacial-interglacial period: Bellingshausen Sea
150	THU	17:00-17:15	Claus-Dieter Hillenbrand	British Antarctic Survey	A166	14	Multi-proxy investigations of a Late Quaternary sedimentary record from the continental slope in the Amundsen Sea, West Antarctica: Implications for oceanic forcing of ice-sheet changes
151	THU	17:15-17:30	Gerhard Kuhn	Alfred Wegener Institute, Helmholtz-Center for Polar and Marine Research	A487	14	Pre-site surveys and plans for deep geological drilling below the Ekström Ice Shelf (Sub-EIS-Obs): Linking East Antarctic slope and shelf stratigraphy
152	FRI	10:30-10:45	Michael Wolovick	Beijing Normal University	A123	15	Potential for Extremely Old Ice at Dome A
153	FRI	10:45-11:00	Alexey Ekaykin	Arctic and Antarctic Research Institute	A313	15	On the possibility to restore the stable water isotope climatic signal from the highly disturbed section of old (0.4-1.2 Ma) Vostok ice
154	FRI	11:00-11:15	Sang-young Han	Laboratory for Ice Core & Paleoclimate(LICP), Seoul National University(SNU)	A366	15	Inhomogeneous greenhouse gas concentration distributions due to snow density layer in the firn at Styx, Antarctica
155	FRI	11:15-11:30	Joshua Kennedy	South Dakota State University	A106	15	Volcanic impact on chlorine chemistry: Evidence from perchlorate in Antarctic and Arctic ice cores
156	FRI	11:30-11:45	Laluraj c M	NATIONAL CENTRE FOR POLAR & OCEAN RESEARCH	A051	15	20th Century dust influx to east Antarctica: Causes and contribution to radiative forcing
157	FRI	11:45-12:00	Sergio Goncalves junior	Rio de Janeiro State University (UERJ)	A113	15	Impact of photochemical reactions on atmospheric particles in Antarctica
158	FRI	12:00-12:15	Wonyong Choi	Pohang University of Science and Technology (POSTECH)	A224	15	Accelerated chemical reactions in the frozen environments
159	FRI	12:15-12:30	Heon Kang	Seoul National University	A278	15	Spontaneous reactions in cryogenic ice films. Enhanced dissociation of weak acids driven by mobile proton's entropy in ice
160	MON	15:00-15:30	Michael GOOSEFF	INSTAAR - University of Colorado Boulder	A257	16	McMurdo Dry Valleys Stream Response to Annual Climate

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No.	Day	Time	Presenter	Institution/Organization	Abstract no.	Session no.	Title
161	MON	15:30-15:45	Sung-Wook Jeon	Chonbuk National University	A126	16	Surface Water-Groundwater Interactions in Two Small Lakes in Barton Peninsula, King George Island, Antarctica
162	MON	15:45-16:00	Peter Doran	Louisiana State University	A411	16	Taylor Valley Perennially Ice-Covered Lakes, past, present and future elevations, ice cover and implications for Connectivity
163	MON	16:00-16:15	Matthew Siegfried	Colorado School of Mines	A285	16	Physical properties of a draining subglacial lake
164	MON	16:15-16:30	Xiaopeng Fan	Polar Research Center, Jilin University	A055	16	New step forward in understanding Antarctic subglacial environment
165	MON	16:30-16:45	Felipe Napoleoni	Department of Geography, Durham University, Durham, UK	A128	16	The subglacial hydrology of the Ellsworth-Whitmore Mountains West Antarctica: newly identified subglacial lakes and the stability of water flow since the Mid-Pleistocene
166	MON	16:45-17:00	Christopher Gardner	The Ohio State University	A220	16	Chemical Weathering and Meltwater Sources in Mercer Subglacial Lake, West Antarctica
167	MON	17:00-17:15	Brad Rosenheim	University of South Florida College of Marine Science	A323	16	Challenges and successes coring sediments from Mercer Subglacial Lake
168	MON	17:15-17:30	Hyeontae Ju	KOPRI	A328	16	Observation of the Subglacial Lake in the David Glacier area in Victoria Land
169	WED	10:30-10:45	Alexander Simms	University of California Santa Barbara	A188	17	Holocene Glacial Fluctuations across the Antarctic Peninsula
170	WED	10:45-11:00	Johan Etourneau	Instituto Andaluz de Ciencias de la Tierra	A314	17	Ocean temperature control on ice shelf and glacier extent around the Antarctic Peninsula throughout the Holocene
171	WED	11:00-11:15	Katelyn M. Johnson	Antarctic Research Centre/ GNS Science National Ice Core Research Laboratory	A290	17	Holocene drivers of biogenic bloom events linked to extratropical teleconnections, offshore Adélie Land, East Antarctica
172	WED	11:15-11:30	Sonja Berg	University of Cologne	A071	17	Marine ecosystem response to Late Pleistocene climate conditions - evidence from snow petrel stomach oil deposits ("mumiyo") in East Antarctica
173	WED	11:30-11:45	Theresa King	University of South Florida	A461	17	Have we been right about the timing of the last deglacial in Antarctica?
174	WED	11:45-12:00	Duanne White	Institute for Applied Ecology, University of Canberra	A358	17	Insights on the duration of late Pleistocene ice expansion from in-situ 14C dating of bedrock surfaces
175	WED	12:00-12:15	Zoe Roseby	University of Southampton	A154	17	Deglacial history of the Anvers-Hugo Trough, western Antarctic Peninsula
176	WED	12:15-12:30	Francisco J. Jimenez Espejo	Instituto Andaluz de Ciencias de la Tierra	A395	17	A HIGH RESOLUTION DEGLACIATION RECORD OF ADÉLIE LAND (EAST ANTARTIC MARGING; IODP SITE U1357A).
177	WED	16:00-16:15	Bridget Lee	University of California Riverside	A036	17	Coupled Iron and Carbon Cycling in the Southern Ocean and Impacts on Global Climate
178	WED	16:15-16:30	Jinwook Kim	Yonsei University	A120	17	Biogeochemical modification of clay minerals in Antarctic region: Implications
179	WED	16:30-16:45	Claudio Mazzoli	University of Padova	A140	17	Towards the complete mineralogical screening of Antarctic biogenic carbonates
180	WED	16:45-17:00	Ryan Venturelli	University of South Florida	A284	17	Subglacial Carbon Pathways Associated with Whillans and Mercer ice streams: A SALSA and WISSARD Sedimentary Perspective
181	TUE	15:00-15:30	Guijun Guo	First Institute of Oceanography, MNR	A068	18	Basal melt-induced freshening and cooling along the Amery Ice Shelf calving front, East Antarctica
182	TUE	15:30-15:45	Seung Hee Kim	Korea Polar Research Institute	A310	18	Estimation of ice shelf thinning derived from surface depression of an ice rumple
183	TUE	15:45-16:00	Jamin Greenbaum	University of Texas Institute for Geophysics	A438	18	Ocean-driven thinning of Totten and Shackleton Ice Shelves, the two primary outlets of the Aurora Subglacial Basin in East Antarctica
184	TUE	16:00-16:15	Chunxia ZHOU	Chinese Antarctic Center of Surveying and Mapping, Wuhan University	A454	18	Mass Balance Assessment of the Lambert Glacier-Amery Ice Shelf System , East Antarctica
185	TUE	16:15-16:30	Iman Heidarpour	Korea Polar Research Institute	A207	18	KOMPSATS Satellite Sea-Ice Image High-Frequency Multiplicative Noise Effects Analysis Based on Joint Complex Time-Frequency Domain Method
186	TUE	16:30-16:45	Hyangsun Han	Korea Polar Research Institute	A274	18	Monitoring iceberg A68 calved from the Larsen C Ice Shelf using satellite remote sensing
187	TUE	16:45-17:00	Suvrat Kaushik	IIRS, ISRO	A191	18	Sea ice extent and variability monitoring and wind speed retrieval along polar Marginal Ice Zones using SCATSAT-1 scatterometer and SAR data
188	TUE	17:00-17:15	Craig Stevens	NIWA/Uni Auckland	A176	18	Ocean Processes South of the Drygalski Ice Tongue, Western Ross Sea
189	TUE	17:15-17:30	Yuwei Xia	College of Global Change and Earth System Science, Beijing Normal University	A115	18	Ocean Heat Transport Variability off Wilkes Land, East Antarctica
190	MON	11:00-11:30	Sheeba Chenoli	University Malaya	A296	19	The Linkage between the Antarctic Sea Ice Extent in Indian Ocean sector and the Indian Summer Monsoon Rainfall
191	MON	11:30-11:45	Sang-Jong Park	Korea Polar Research Institute	A281	19	30-YEAR CLIMATOLOGY OBSERVED AT KING SEJONG STATION, ANTARCTICA
192	MON	11:45-12:00	john moore	Beijing Normal University	A229	19	What can stratospheric aerosol injection geoengineering do for Antarctic ice mass loss - lessons from Greenland

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No.	Day	Time	Presenter	Institution/Organization	Abstract no.	Session no.	Title
193	MON	12:00-12:15	Emilia Kyung Jin	Korea Polar Research Institute	A373	19	The future projection of ice sheet melting and sea level rise under the RCP scenarios
194	MON	12:15-12:30	ja-Ho Koo	Atmospheric Sciences, Yonsei Univ.	A124	19	Relationship between total ozone and regional meteorology around the Weddell Sea
195	MON	12:30-12:45	Wonseok Seo	Korea Polar Research Institute (KOPRI)	A340	19	Characteristics of Atmospheric Boundary Layer at the Jang Bogo Station, Terra Nova Bay, East Antarctica in Summer
196	MON	12:45-13:00	Kyong-hwan Seo	Pusan National University	A364	19	Impact of the Madden-Julian oscillation on Antarctic sea ice
197	MON	15:00-15:30	Sang-Yoon Jun	Korea Polar Research Institute	A279	19	Two leading modes of Antarctic surface temperature and their contributions to Antarctic surface climate change
198	MON	15:30-16:00	Suchithra sundaram	New York University, Abu Dhabi	A035	19	Does the combined effect of the Indian summer monsoon and Indian Ocean Dipole modulate the September Antarctic sea ice?
199	MON	16:00-16:15	Taejin Choi	Korea Polar Research Institute	A226	19	Characteristics of Surface Meteorology at Lindsey Islands, Amundsen Sea, West Antarctica
200	MON	16:15-16:30	Ziyin Zhang	Institute of Urban Meteorology, China Meteorological Administration	A026	19	Possible influence of the Antarctic Oscillation on haze pollution in North China
201	MON	16:30-16:45	Dha Hyun Ahn	Department of Atmospheric Sciences, Yonsei University, Seoul, Republic of Korea	A250	19	Potential effect of air pollution from the subtropical Southern hemisphere to Antarctica: spatiotemporal patterns of AOD, CO, NO <sub>2</sub> , and HCHO revealed by satellite observations
202	MON	16:45-17:00	Vladyslav Tymofeyev	Ukrainian Hydrometeorological Institute	A105	19	Climate variability in the West Antarctic sector and potential of seasonal predictability of the tropica Pacific and Atlantic zone
203	MON	17:00-17:15	Seong-Joong Kim	Korea Polar Research Institute	A039	19	Recent Antarctic Peninsula cooling derived by southern stratospheric polar vortex weakening
204	WED	10:30-11:00	Hector Mansilla-Vera	Chilean Antarctic Institute, INACH	A418	20	The paleontological heritage of Fossil Hill Formation on the King George Island. An Early Eocene Lagerstätten from Antarctic?
205	WED	11:00-11:15	BO DENG	ShangHai Ocean University	A381	20	Variation in fatty acid composition and diet of Antarctic krill ( <i>Euphausia superba</i> ) in the Bransfield Strait during autumn 2017 and 2018
206	WED	11:15-11:30	Mi Duan	College of Marine Sciences, Shanghai Ocean University, Shanghai, China	A380	20	Otolith edge chemistry reveals the role of water mass in structuring Electrona antarctica population in the Antarctic Circumpolar Current system
207	WED	11:30-11:45	David Cade	Stanford University	A307	20	The fast and flexible foraging of modern Antarctic minke whales ( <i>Balaenoptera bonarensis</i> ) may be driven by the unique prey conditions in the West Antarctic Peninsula
208	WED	11:45-12:00	Latife Cakir Bayram	Erciyes University	A475	20	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
209	WED	12:00-12:15	Michael Wethington	Polar Geospatial Center	A462	20	Using Very- and Ultra-High resolution Digital Elevation Models in Antarctic Biological Research
210	FRI	TBA	Catherine Huerta	Universidad Católica de Temuco	A114	21	Preliminary results of a geomicrobiological study in the Madre de Dios archipelago
211	FRI	TBA	Ok-Sun Kim	Korea Polar Research Institute	A367	21	Distinctive microbial assemblages and their ecological function in permanently ice-covered lakes of the Dry Valleys, Antarctica
212	FRI	TBA	Yu-Zhong Zhang	State Key Laboratory of Microbial Technology, Shandong University	A379	21	Mechanistic insight into 3-methylmercaptopyruvate metabolism and kinetical regulation of demethylation pathway in marine dimethylsulfoniopropionate-catabolizing bacteria
213	FRI	TBA	José Perez-Donoso	Universidad Andrés Bello	A405	21	Geomicrobiology studies at Union Glacier in the Ellsworth mountains: microbial survival in one of the most extreme environments in Antarctica
214	FRI	TBA	Vicente Cabrera Opazo	Universidad Nacional Andrés Bello	A453	21	Bioprecipitation of calcium carbonate induced by bacteria isolated from regolith of Ellsworth Mountains
215	FRI	TBA	Jill Mikucki	University of Tennessee	A472	21	Geomicrobiological transformations in Antarctic subglacial environments
216	WED	15:00-15:30	Mathieu Morlighem	University of California Irvine	A215	22	BedMachine Antarctica v1: a new subglacial bed topography and ocean bathymetry dataset of Antarctica
217	WED	15:30-16:00	Simon Cox	GNS Science	A252	22	Release of the continent-wide dataset GeoMap v.201907
218	WED	16:00-16:30	Chang-Qing Ke	Nanjing University (School of Geography and Ocean Sciences)	A339	22	Mass balance of Antarctic ice sheet based on CryoSat-2 from 2011-2018
219	WED	16:30-16:45	Esha Shah	Gujarat University	A293	22	Change Detection over the major ice shelves of Antarctica using RADARSAT and Sentinel Data
220	WED	16:45-17:00	Brandi Downs	The Ohio State University	A137	22	Observing the Cryosphere with Next Generation GNSS-Reflectometry
221	WED	17:00-17:15	Amin Beiranvand Pour	Korea Polar Research Institute (KOPRI)	A023	22	Mapping poorly exposed lithologies using Landsat-8 and ASTER satellite data in Antarctic Peninsula
222	FRI	10:45-11:00	Luis Cerpa	Instituto Geológico Minero y Metalúrgico	A419	26	Presence of heavy metals in McKellar inlet, Admiralty Bay, King George Island, Antarctica
223	WED	17:15-17:30	Chang-UK Hyun	Korea Polar Research Institute	A360	22	High-resolution remote sensing techniques for monitoring penguin colonies in the Ross Sea, Antarctica
224	THU	10:30-11:00	Stephen Yan	University of Alabama	A305	23	Ultra-Wideband Multiple Input and Multiple Output Radar for Airborne Ice Sounding and Imaging

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No.	Day	Time	Presenter	Institution/Organization	Abstract no.	Session no.	Title
225	THU	11:00-11:15	Changhyun Chung	Korea Polar Research Institute	A261	23	Development of OPV (Optional Piloted Vehicle) for Polar Research
226	THU	11:15-11:30	Stephen Yan	University of Alabama	A306	23	Ultra-wideband Microwave Radars for Airborne Mapping of Near-Surface Internal Layers in Polar Firn and Ice
227	THU	11:30-11:45	Hyomin Kim	New Jersey Institute of Technology	A169	23	Autonomous Instrument Network for Coordinated Observations at Remote Antarctic Locations
228	THU	11:45-12:00	Rusheng Wang	Polar Research Center of Jilin University, Changchun, China	A147	23	A New Smart System of Rapid Continuous Coring Drilling with Air Reverse Circulation in Antarctica
229	THU	12:00-12:15	Yafei Wang	College of Construction Engineering, Jilin university	A132	23	Hydraulic fracturing in fissured ice borehole wall: theory and tests
230	THU	12:15-12:30	Koichiro Doi	National Institute of Polar Research	A354	23	Absolute Gravity Measurements in 2017/2018 and 2018/2019 Season in Dronning Maud Land and Enderby Land, East Antarctica
231	THU	16:30-17:00	Jeronimo Lopez-Martinez	University Autonoma of Madrid	A478	24	Recent advances on Antarctic geoconservation
232	THU	17:00-17:15	Falk Huettmann	University of Alaska Fairbanks	A197	24	Use of 'boosting', 'bagging', ensembles (Machine Learning) and telecoupling for data mining and predictions of open access biodiversity: an example on charismatic penguins
233	THU	17:15-17:30	NADIA TAMARA MANOGRASSO CZALBOWSKI	INSTITUTO ANTARTICO ARGENTINO	A270	24	Involving Antarctic communities in the management of geoh heritage: a case study in
234	FRI	11:00-11:15	Masaki Kanao	National Institute of Polar Research	A025	26	Characteristic multi-sphere interaction in the coastal and marine environment inferred from infrasound observation at Terra Nova Bay, Antarctica
235	FRI	11:15-11:30	Songtao Ai	Wuhan University	A189	26	Iceberg-induced tsunami events observed by tide gauge at the Zhongshan Station, Antarctica
236	FRI	11:30-11:45	Minoru Ikehara	Kochi University	A466	26	Episodic enhancement of sea ice survivability in the glacial Southern Ocean driven by Antarctic warming
237	FRI	11:45-12:00	Michael Wolovick	Beijing Normal University	A122	26	Stopping the Flood: Continued Progress in Targeted Glacial Geoengineering
238	FRI	12:00-12:15	Marc Oliva	Universitat de Barcelona	A343	26	THE DEGLACIATION PROCESS OF ICE-FREE ENVIRONMENTS IN THE SOUTH SHETLAND ISLANDS
239	FRI	12:15-12:30	Junhwa Chi	KOPRI	A329	26	Spectral characteristics of the Antarctic vegetation: A case study of the Barton Peninsula
240	FRI	12:30-12:45	Latife Cakir Bayram	Erciyes University	A481	26	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



## Poster Presentation List

No.	Day	Time	Presenter	Institution/Organization	Abstract no.	Session no.	Title
1	MON/TUE	13:45-15:00	Seongchan Hong	Korea University	A088	01	OSL dating of raised beach in Terra Nova Bay, Antarctica with tectonic implications
2	MON/TUE	13:45-15:00	Jeremy Lee	University of Melbourne	A183	01	Revisiting the Admiralty Suite and its link to southeastern Australia
3	MON/TUE	13:45-15:00	yingchun cui	First Institute of Oceanography, MNR	A194	01	The early Paleozoic magmatism in northern Victoria Land, Antarctica
4	MON/TUE	13:45-15:00	Tae-Yoon Park	Korea Polar Research Institute	A235	01	Jurassic phreatoid isopods from Victoria Land, Antarctica
5	MON/TUE	13:45-15:00	Changhwan Oh	Basic Science Research Institute, Chungbuk National University	A236	01	New occurrence of Triassic gymnosperm wood at the Ricker Hills, southern Victoria Land, Antarctica
6	MON/TUE	13:45-15:00	Sang-Bong Yi	Korea Polar Research Institute	A251	01	Paleozoic metamorphism identified in the Mountaineer Range of northern Victoria Land, Antarctica
7	MON/TUE	13:45-15:00	Simon Cox	GNS Science	A254	01	The Convoy Range mapping project, Victoria Land, Antarctica
8	MON/TUE	13:45-15:00	Andreas Laeufer	Federal Institute for Geosciences and Natural Resources (BGR)	A263	01	Dating the Granite Harbour Intrusives of northern Victoria Land (Antarctica) - Magmatic ages, inheritance and alteration
9	MON/TUE	13:45-15:00	Hyeoncheol Kim	Korea Institute of Geoscience and Mineral Resources	A298	01	Geological mapping around the Jang Bogo Station, Northern Victoria Land, and preliminary study on U-Pb zircon age and geochemical features of igneous and metamorphic rocks
10	MON/TUE	13:45-15:00	YEONGMIN KIM	SEOUL NATIONAL UNIVERSITY	A304	01	Geochemical interpretation of the tectonic evolution in northern Victoria Land, Antarctica
11	MON/TUE	13:45-15:00	LAURA CRISPINI	DISTAV - UNIVERSITY OF GENOVA	A344	01	Meso-Cenozoic reactivation of the Rennick Geodynamic Belt (northern Victoria Land, Antarctica): new evidence from paleostress analysis
12	MON/TUE	13:45-15:00	Frank Lisker	University of Bremen	A378	01	Cenozoic exhumation of the Mountaineer Range, Transantarctic Mountains, in northern Victoria Land: new constraints from apatite (U-Th-Sm)/He data
13	MON/TUE	13:45-15:00	Andreas Laeufer	Federal Institute for Geosciences and Natural Resources (BGR)	A387	01	Study of a polymict conglomerate from Reilly Ridge (northern Victoria Land, Antarctica): indirect evidence for the evolution of the Ross Orogen
14	MON/TUE	13:45-15:00	Giovanni Pio Liberato	University of Siena	A396	01	Permian-Triassic fluvial deposits: a preliminary lithostratigraphic comparison between Southern Victoria Land (Antarctica) and Tasman (Australia) basins
15	MON/TUE	13:45-15:00	Luca Zurli	University of Siena	A397	01	Petrography and geochronology of Permian glaciogenic sequences in Victoria Land (Antarctica)
16	MON/TUE	13:45-15:00	Gianluca Cornamusini	University of Siena	A398	01	Stratigraphy of Late Palaeozoic Ice Age sequences in Victoria Land (Antarctica) and Tasmania (Australia): a comparison across southern Gondwana
17	MON/TUE	13:45-15:00	Giovanni Pio Liberato	University of Siena	A399	01	Paleoenvironmental implications from facies analysis of Permian-Triassic nonmarine deposits of Allan Hills (Southern Victoria Land, Antarctica)
18	MON/TUE	13:45-15:00	LAURA CRISPINI	DISTAV - UNIVERSITY OF GENOVA	A406	01	Early Paleozoic geodynamics of northern Victoria Land: state of art, new investigations and implications for Gondwana reconstruction
19	MON/TUE	13:45-15:00	Franco Maria Talarico	University of Siena	A408	01	Provenance study of Permian-Triassic sandstones (Allan Hills, Antarctica): quantitative compositional, mineral-chemical and geochronological analyses
20	MON/TUE	13:45-15:00	Andreas Laeufer	Federal Institute for Geosciences and Natural Resources (BGR)	A430	01	GANOVEX: 40 years of Earth System research in Victoria Land - in remembrance of Franz Tessensohn
21	MON/TUE	13:45-15:00	valentina corti	University of Siena	A443	01	Polycyclic aromatic hydrocarbons as marker of fossil charcoal in transported Triassic wood of Allan Hills (Southern Victoria Land, Antarctica)
22	WED/THU	13:30-15:00	Carina Haeger	GFZ Potsdam	A029	02	Decompensative gravity anomalies reveal structure of the upper crust of Antarctica.
23	WED/THU	13:30-15:00	Folker Pappa	Kiel University, Institute of Geosciences	A043	02	Crustal thickness and density structure of Antarctica – new insights from petrological and gravity modelling
24	WED/THU	13:30-15:00	Evgenii Mikhalskii	VNIIOkeangeologia	A048	02	The early Neoproterozoic Polkanova Series in the westernmost Enderby Land: another manifestation of Tonian ocean
25	WED/THU	13:30-15:00	Antonia Ruppel	Bundesanstalt für Geowissenschaften und Rohstoffe (BGR)	A056	02	Late Neoproterozoic–Early Paleozoic deformation and cooling of Sør Rondane and implications for the final assembly of Gondwana: Evidence from 40Ar/39Ar and U-Pb geochronology
26	WED/THU	13:30-15:00	Antonia Ruppel	Bundesanstalt für Geowissenschaften und Rohstoffe (BGR)	A057	02	Aerogeophysical survey over the Forster Magnetic Anomaly and its implications for revealing the tectonic evolution of central Dronning Maud Land
27	WED/THU	13:30-15:00	Jörg Ebbing	Kiel University	A062	02	Investigating the characteristics of a potential West Antarctic mantle plume with geodynamic models
28	WED/THU	13:30-15:00	Monika A. Kusiak	Polish Academy of Sciences, Institute of Geological Sciences	A081	02	Eoarchean crust in East Antarctica: zircon isotopic evidence
29	WED/THU	13:30-15:00	Anya Reading	University of Tasmania	A098	02	Investigating the Deep Continent Beneath the Interior of East Antarctica Using the 'agrid' Research Environment
30	WED/THU	13:30-15:00	German Leitchenkov	Research institute for geology and mineral resources of the world ocean	A172	02	Precambrian evolution of the Ruker granite-greenstone terrain of the East Antarctica: structure, age and geodynamic setting.
31	WED/THU	13:30-15:00	Samantha Hansen	The University of Alabama	A175	02	The Transantarctic Mountains Northern Network (TAMNNET): Versatility of a Polar Seismic Array

## Poster Presentation List

No.	Day	Time	Presenter	Institution/Organization	Abstract no.	Session no.	Title
32	WED/THU	13:30-15:00	Vanda Sergeeva	VNIOkeangeologia	A178	02	The early stage of the Australia-Antarctica break-up
33	WED/THU	13:30-15:00	MARIA CARMEN REY MORAL	INSTITUTO GEOLÓGICO Y MINERO DE ESPAÑA (IGME)	A180	02	UNRAVELING THE ARCHITECTURE OF THE ANTARCTIC PENINSULA AND ITS EASTERN CONTINENTAL MARGIN BASED ON POTENTIAL DATA MODELLING
34	WED/THU	13:30-15:00	Devsamridhi Arora	University of Delhi	A196	02	Tracing segments of Columbian orogenesis in Vestfold hills, Princess Elizabeth Land and SE Indian shield
35	WED/THU	13:30-15:00	FERNANDO BOHOYO	Instituto Geológico y Minero de España	A210	02	Deep structure and tectonic evolution of the South Orkney Microcontinent (northern Weddell Sea, Antarctica)
36	WED/THU	13:30-15:00	Dmitry Golynskiy	VNIOkeangeologia	A222	02	Ground magnetic surveys and petrophysical studies of the Bunger Hills
37	WED/THU	13:30-15:00	Alexander Golynskiy	VNIOkeangeologia	A227	02	New airborne magnetics view of Princess Elizabeth Land crustal structure
38	WED/THU	13:30-15:00	Young-Gyun Kim	Kangwon National University	A234	02	High mantle temperature beneath the proto-Adare Basin, Ross Sea, Antarctica, as the possible cause of synchronous rifting across the continental-ocean boundary
39	WED/THU	13:30-15:00	Laura De Santis	OGS	A259	02	kl;
40	WED/THU	13:30-15:00	Fausto Ferraccioli	NERC/British Antarctic Survey	A271	02	Tectonic architecture of a major pull apart basin in Victoria Land unveiled from aeromagnetic and gravity imaging
41	WED/THU	13:30-15:00	Fred Davey	GNS Science	A300	02	Cenozoic Continental Tectonics in North-Western Ross Sea, Antarctica.
42	WED/THU	13:30-15:00	Erica Emry	New Mexico Tech	A312	02	Quantitative assessment of Antarctic crustal models using numerical wave simulations
43	WED/THU	13:30-15:00	Fausto Ferraccioli	NERC/British Antarctic Survey	A322	02	A composite Precambrian Wilkes Terrane unveiled in East Antarctica
44	WED/THU	13:30-15:00	Hyung Rae Kim	Kongju National Univ.	A363	02	Augmenting coverage gaps in the ADMAP-2 grid with Swarm satellite magnetic observations
45	WED/THU	13:30-15:00	Nikita Borovkov	The All-Russia Scientific Research Institute for Geology and Mineral Resources of the Ocean	A382	02	PETROLOGY AND GEODYNAMIC SIGNIFICANCE OF OPX GRANITOID MASSIVES LOCATED IN BUNGER OASIS, EAST ANTARCTICA
46	WED/THU	13:30-15:00	Tom Jordan	British Antarctic Survey	A400	02	Geophysical glimpse of sub-ice shelf bathymetry and underlying geology of the Thwaites Glacier system
47	WED/THU	13:30-15:00	Fausto Ferraccioli	NERC/British Antarctic Survey	A457	02	Inferred Mesoproterozoic to late Neoproterozoic tectonic evolution of the Gamburtsev Province in interior East Antarctica
48	WED/THU	13:30-15:00	Fausto Ferraccioli	NERC/British Antarctic Survey	A465	02	Decoding signs of Precambrian and Pan-African age tectonics between the Recovery Frontier and western Dronning Maud Land in East Antarctica
49	WED/THU	13:30-15:00	Fragoso, R.A.	Universidade Federal do Rio de Janeiro	A486	02	BUILDING UP THE NEW GEOLOGICAL MAP OF GONDWANA (1:5M) – ANTARCTICA'S ROLE IN CONECTING EAST AND WEST
50	WED/THU	13:30-15:00	Samantha Hansen	The University of Alabama	A041	03	Investigating Ultra-low Velocity Zones in the Southern Hemisphere using an Antarctic Dataset
51	WED/THU	13:30-15:00	Sheng Fan	Department of Geology, University of Otago	A110	03	Modelling the crystallographic preferred orientation (CPO) of a fast-shearing Antarctic ice glacier from seismic anisotropy
52	WED/THU	13:30-15:00	Jinhoon Jung	KOPRI	A301	03	THE PRELIMINARY RESULTS OF THE SEISMICITY IN THE VICINITY OF THE JANG BOGO STATION OBSERVED ON THE KOREA POLAR SEISMIC NETWORK
53	WED/THU	13:30-15:00	Yongcheol Park	Korea Polar Research Institute	A474	03	INSTALLATIONS OF AN INFRASOUND NETWORK AT JANG BOGO STATION AND OCEAN BOTTOM SEISMOGRAPHS IN THE SEA NEAR THE TERRA NOVA BAY
54	MON/TUE	13:45-15:00	Daria Agapitova	Gramberg All-Russian Research Institute of Geology and Mineral Resources of the World Ocean	A079	04	Age and Geochemistry of the Cape Burks Gabbroids (Russkaya Station Area, West Antarctica)
55	MON/TUE	13:45-15:00	Adelina Geyer	Institute of Earth Sciences Jaime Almera, CSIC	A084	04	Deciphering Deception Island's magma plumbing system: An interdisciplinary approach
56	MON/TUE	13:45-15:00	Santiago Giralt	Institute of Earth Sciences Jaime Almera (ICTJA-CSIC)	A090	04	Antarctic volcanoes: A remote but significant hazard
57	MON/TUE	13:45-15:00	Alessio Di Roberto	Istituto Nazionale di Geofisica e Vulcanologia	A108	04	The 1254 C.E. tephra layer and its potential for correlations and synchronization of Antarctic ice cores and marine sediments
58	MON/TUE	13:45-15:00	Eun Young Lee	Chonnam National University	A158	04	Early Cretaceous volcanoclastics on the Naturaliste Plateau, offshore SE Australia (IODP Site U1513): Implications for the East Gondwana breakup
59	MON/TUE	13:45-15:00	Adam Martin	GNS Science	A248	04	Petrogenetic models for the evolution of alkalic magmas in the Erebus volcanic province, Antarctica
60	MON/TUE	13:45-15:00	Mi Jung Lee	Korea Polar Research Institute	A273	04	Geochemical characterization and correlation of the 1252 C.E. Rittmann tephra in Antarctic ice
61	MON/TUE	13:45-15:00	Philip Kyle	New Mexico Institute of Mining and Technology	A402	04	Tephra from blue ice areas in Victoria Land, insight into eruptive history of the McMurdo Volcanic Group, Antarctica
62	MON/TUE	13:45-15:00	Erica Maletic	The Ohio State University	A417	04	Noble gases and trace element geochemistry of xenoliths in the Ford Ranges of Marie Byrd Land, Antarctica

## Poster Presentation List

No.	Day	Time	Presenter	Institution/Organization	Abstract no.	Session no.	Title
63	MON/TUE	13:45-15:00	Ilnur Abdrakhmanov	Saint-Petersburg Mining University	A145	05	P-T Evolution of Metapelitic Granulites from the Bunger Hills, East Antarctica: Constraints from Mineral Thermobarometry and Isochemical Phase Diagram Modeling
64	MON/TUE	13:45-15:00	Evgenii Mikhalskii	VNIIOkeangeologia	A152	05	Thermobarometry of metavolcanic rocks of the Ruker Group, southern Prince Charles Mountains, East Antarctica: Implications on the Prydz Orogeny
65	MON/TUE	13:45-15:00	Geoffrey Grantham	University of Johannesburg	A223	05	The structural evolution of the Straumnsnutane and western Sverdrupfjella areas, western Dronning Maud Land, Antarctica – implications for the amalgamation of Gondwana.
66	MON/TUE	13:45-15:00	Forrest Horton	Woods Hole Oceanographic Institution	A245	05	Island arc–continental arc collision caused protracted eclogite-facies metamorphism in northern Victoria Land (Antarctica)
67	MON/TUE	13:45-15:00	Geoffrey Grantham	University of Johannesburg	A439	05	Sri Lanka - Correlation with N. Mozambique and Antarctica at the heart of Gondwana: North and South.
68	MON/TUE	13:45-15:00	MAYURI PANDEY	DEPARTMENT OF GEOLOGY	A440	05	Nature of subglacial geological terrains in and around Gamburtsev Mountains, Antarctica: New insights from heavy mineral studies of site 739, ODP 119
69	MON/TUE	13:45-15:00	Kazuyuki Shiraishi	National Institute of Polar Research	A449	05	Geology of the eastern Dronning Maud Land, East Antarctica: Missing link to Sri Lanka
70	WED/THU	13:30-15:00	Ricarda Dziadek	Alfred Wegener Institute, Helmholtz Center for Polar and Marine Research	A018	06	Geothermal heat flux measured in the Amundsen Sea Embayment
71	WED/THU	13:30-15:00	Ricarda Dziadek	Alfred Wegener Institute, Helmholtz Center for Polar and Marine Research	A024	06	Geothermal heat flux investigations with thermal crustal 2D models
72	WED/THU	13:30-15:00	Mareen Lösing	Christian-Albrechts-Universität zu Kiel	A060	06	Bayesian/stochastic inversion of geophysical data for Solid Earth heat flux in Antarctica
73	WED/THU	13:30-15:00	Tom Jordan	British Antarctic Survey	A094	06	The South Pole Heat Flux Anomaly, identification, origin, and implications
74	WED/THU	13:30-15:00	Felipe Napoleoni	Department of Geography, Durham University, Durham, UK	A127	06	Plans to quantify geothermal heat production over Ellsworth- Whitmore Mountains, West Antarctica.
75	WED/THU	13:30-15:00	Alex Burton-Johnson	British Antarctic Survey	A204	06	Heterogenous Antarctic crustal heat production
76	WED/THU	13:30-15:00	Audrey Huerta	Central Washington University	A459	06	Estimates of Antarctic Heat Flow: Insights from Geodynamic Models
77	MON/TUE	13:45-15:00	Adolfo Maestro	Instituto Geologico y Minero de Espana	A033	07	MESOZOIC-CENOZOIC STRESS FIELD EVOLUTION IN TASMANIA FROM FAULT POPULATION ANALYSIS IN RELATION TO AUSTRALIA-ANTARCTICA PLATE SEPARATION
78	MON/TUE	13:45-15:00	Marga Garcia	Andalusian Institute of Earth Sciences (CSIC-UGR)	A179	07	Contourite features distribution and water masses circulation in the Eastern Bransfield Basin (Antarctic Peninsula)
79	MON/TUE	13:45-15:00	Molly Patterson	Binghamton University, SUNY	A200	07	Understanding the sensitivity of WAIS to 2 degree Celsius warming: A Science Plan for Crary Ice Rise
80	MON/TUE	13:45-15:00	Taichi Sato	Geological Survey of Japan, AIST	A256	07	The origins of southern part of Madagascar Plateau and Del Cano Rise, based on re-estimated seafloor spreading history of Southwest Indian ridge 35°E to 55°E
81	MON/TUE	13:45-15:00	Adrian Lopez-Quiros	Spanish National Research Council (CSIC)	A268	07	The nature, timing and implication of green-clay authigenesis: A reliable paleoenvironmental indicator for the Antarctic Cenozoic climate history
82	MON/TUE	13:45-15:00	Jude Castelino	British Antarctic Survey	A352	07	Drift sediments on the eastern Falkland Plateau: Insight on Antarctic Circumpolar Current (ACC) history in the Southwest Atlantic
83	MON/TUE	13:45-15:00	Dimitris Evangelinos	Instituto Andaluz de Ciencias de la Tierra, CSIC-UGR,	A409	07	The evolution of the Antarctic Circumpolar Current across the Tasman Gateway during the last 30 million years
84	MON/TUE	13:45-15:00	Expósito Ceballos	Departamento de Estratigrafía y Paleontología de la Universidad de Granada	A441	07	Late Eocene foraminifera assemblages in the southeastern margin of the South Orkney Microcontinent, Drake Passage, Antarctica: preliminary results
85	MON/TUE	13:45-15:00	Alex Burton-Johnson	British Antarctic Survey	A446	07	Geochronology and geochemistry of the northern Scotia Sea: a revised interpretation of the North and West Scotia ridge junction
86	WED/THU	13:30-15:00	Stewart Jamieson	Durham University	A058	08	The pre-glacial landscape of Antarctica (and its influence on ice sheet behaviour)
87	WED/THU	13:30-15:00	Alina Boronina	Saint Petersburg State University	A069	08	On the formation of the ice cauldron on the Dalk Glacier (Larsemann Hills, East Antarctica)
88	WED/THU	13:30-15:00	Sergey Popov	Polar Marine Geosurvey Expedition	A161	08	Ice thickness and bedrock topography of Mac. Robertson, Princess Elizabeth and Wilhelm II Lands (East Antarctica) according to the Russian data collected from 1971 to 2018
89	WED/THU	13:30-15:00	Jun'ichi Okuno	National Institute of Polar Research	A267	08	Crustal motion and gravity change in East Antarctica inferred from GIA modeling
90	WED/THU	13:30-15:00	Moto Kawamata	National Institute of Polar Research	A294	08	Late Quaternary glacial history and its constraint on glacial isostatic adjustment models in the Soya Coast, East Antarctica
91	WED/THU	13:30-15:00	Moto Kawamata	National Institute of Polar Research	A295	08	Ice sheet retreat ages revealed by long lake sediment cores from the Soya Coast, East Antarctica
92	WED/THU	13:30-15:00	Chaoyang Zhang	School of Earth Sciences, Ohio State University	A450	08	GOCE constrained Antarctic crustal thickness and dynamic topography
93	MON/TUE	13:45-15:00	Dan Morgan	Vanderbilt University	A162	09	Bedrock erosion rates and the development of weathering features in Antarctica

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No.	Day	Time	Presenter	Institution/Organization	Abstract no.	Session no.	Title
94	MON/TUE	13:45-15:00	Mauro Guglielmin	Insubria University, Dep. Theoretical and Applied Sciences	A225	09	Geophysical and Geomorphological investigations of Polygonal Patterned Ground in continuous Antarctic permafrost as a Mars analog.
95	MON/TUE	13:45-15:00	Stefano Ponti	University of Insubria	A242	09	Active layer modeling at Signy Island (maritime Antarctica) and the role of the surface type
96	MON/TUE	13:45-15:00	Mayara Daher	Universidade Federal de Viçosa	A316	09	Statistical analysis of soils properties from Antarctica based on a large database
97	MON/TUE	13:45-15:00	Maria Papale	Institute of Polar Science, National Research Council (ISP, CNR)	A335	09	Microbial life in the brine of cryo-environments in the Northern Victoria Land (Antarctica)
98	MON/TUE	13:45-15:00	Heejung Kim	Seoul National University	A346	09	Thermal diffusivity of Antarctic soil estimated using Carslaw-Jaeger and finite element methods
99	MON/TUE	13:45-15:00	Antonio Correia	University of Evora, Dept. of Physics	A422	09	ELECTRICAL RESISTIVITY IMAGING TO STUDY PERMAFROST DISTRIBUTION IN A MARINE TERRACE IN BYERS PENINSULA, LIVINGSTON ISLAND, MARITIME ANTARCTICA
100	WED/THU	13:30-15:00	German Leitchenkov	Research institute for geology and mineral resources of the world ocean	A080	11	New bathymetric and multi-channel seismic data from the NW Weddell Sea: Implications for the late Cenozoic glacial history of the South Orkney Islands continental shelf
101	WED/THU	13:30-15:00	Jan Erik Arndt	Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research	A244	11	IBCSO V2.0: A collaborative effort towards improved bathymetric information
102	WED/THU	13:30-15:00	Jude Castelino	British Antarctic Survey	A375	11	Evidence of accelerated glacial retreat on King George Island, South Shetland Islands
103	MON/TUE	13:45-15:00	Francesca Battaglia	Cá Foscari University of Venice, Italy	A104	12	High resolution seismo-stratigraphic evidence from the Edisto Inlet fjord, western Ross Sea (Antarctica)
104	MON/TUE	13:45-15:00	Ester Colizza	Department of Mathematics and Geosciences - University of Trieste	A130	12	The STREAM project: Late Quaternary evolution of the ocean-ice sheet interactions - the record from the Ross Sea continental margin (Antarctica)
105	MON/TUE	13:45-15:00	Julia Lindow	Woods Hole Oceanographic Institution	A131	12	New Chronologies on East Antarctic Ice Sheet Stability – Surface Exposure Ages from Bennett Platform, Transantarctic Mountains
106	MON/TUE	13:45-15:00	Zhongyan Shen	Second Institute of Oceanography, Ministry of Natural Resources, China	A157	12	Multiple Glaciation in the Middle Segment of the Western Ross Sea: Revealed by Intermediate-Resolution Seismic Data
107	MON/TUE	13:45-15:00	Molly Patterson	Binghamton University, SUNY	A199	12	Assessing the orbital response of the WAIS from a Ross Sea deep ocean perspective since the Late Pliocene
108	MON/TUE	13:45-15:00	Sunghan Kim	Korea Polar Research Institute	A214	12	Preliminary results of geochemical proxies (biogenic opal, TOC, and CaCO <sub>3</sub> ) at IODP Site U1523 on the Ross Sea Continental Shelf
109	MON/TUE	13:45-15:00	Benji Griffin	Victoria University of Wellington	A288	12	Plio-Pleistocene Antarctic Slope Current in the outer Ross Sea, and linkages to West Antarctic Ice Sheet variability.
110	MON/TUE	13:45-15:00	Min Kyung Lee	Korea Polar Research Institute	A297	12	Paleoceanographic changes during the past one million years in the Central Basin, northwestern Ross Sea
111	MON/TUE	13:45-15:00	Christina Riesselman	University of Otago, Departments of Geology and Marine Science	A337	12	Antarctic Holocene deglaciation and environmental evolution of the eastern Ross Embayment
112	MON/TUE	13:45-15:00	Denise Kulhanek	Texas A&M University	A348	12	Using sedimentology and geochemistry to elucidate Antarctic Ice Sheet extent in the late Miocene to Pliocene: Results from IODP Site U1522 on the Ross Sea Continental Shelf
113	MON/TUE	13:45-15:00	Denise Kulhanek	Texas A&M University	A349	12	XRF sediment geochemistry from IODP Site U1523, outer Ross Sea continental shelf, and its utility to distinguish sediment input from various water masses
114	MON/TUE	13:45-15:00	Younho Noh	KOPRI	A388	12	A preliminary study of the relationship of chemical data with the diatoms assemblage in the coastal core sediment of the Antarctic Ross Sea.
115	MON/TUE	13:45-15:00	Luca Zurlì	University of Siena	A392	12	Petrography of gravel size clasts from IODP_exp374 drillcores (Ross Sea - Antarctica): implications for Miocene ice flows
116	MON/TUE	13:45-15:00	fiorenza Torricella	Università di Pisa	A431	12	LATE QUATERNARY PALEOENVIRONMENT AND PALEOCLIMATE OF THE NORTHERN DRYGALSKI BASIN (ROSS SEA, ANTARCTICA) USING MICROORGANISM ASSEMBLAGES AND SEDIMENT CHARACTERISTICS: PRELIMINARY RESULTS
117	WED/THU	13:30-15:00	Matthew Chadwick	British Antarctic Survey	A032	13	Reconstructing Antarctic sea ice extent during MIS 5e
118	WED/THU	13:30-15:00	Werner Nel	University of Fort Hare	A074	13	Classifying synoptic air circulation patterns over the Southern Indian Ocean: Observations from Marion Island on recent change and current landscape impacts.
119	WED/THU	13:30-15:00	Jiao Yang	State Key Laboratory of Cryospheric Sciences, Northwest Institute of Eco-Environment and Resources, Chinese Academy of Sciences	A489	13	Antarctic sea ice changes during the past 200 years
120	WED/THU	13:30-15:00	Li Wu	Tongji University	A020	14	Late Quaternary deep stratification-climate coupling in the Southern Ocean: implications for changes in abyssal carbon storage
121	WED/THU	13:30-15:00	Zhihua Chen	First Institute of Oceanography, Ministry of Natural Resources	A070	14	Glacial-interglacial cycles of ice sheet dynamics and paleoceanography in the Amundsen Sea sector, West Antarctica
122	WED/THU	13:30-15:00	german Leitchenkov	Research Institute for Geology and Mineral Resources of the World Ocean	A149	14	Seismic stratigraphy of the upper continental rise and abyssal plain off Marie Byrd Land
123	WED/THU	13:30-15:00	Michael Bollen	University of Otago	A212	14	Diatom micropaleontology and paleomagnetism of the sediment core RS15-LC42: Insights to paleoceanographic processes at the continental rise.
124	WED/THU	13:30-15:00	Elisabetta Olivo	OGS - National Institute of Oceanography and Applied Geophysics	A219	14	The Whales Deep Basin - Houtz and Hayes Bank system (Southeastern Ross Sea, Antarctica): a scenario for Pleistocene continental outer shelf and slope processes evolution

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No.	Day	Time	Presenter	Institution/Organization	Abstract no.	Session no.	Title
125	WED/THU	13:30-15:00	Ji Young Shin	Korea Polar Research Institute	A389	14	Magnetic mineral properties linked to iceberg-derived sediment transport in the Scotia Sea (Southern Ocean)
126	WED/THU	13:30-15:00	Laura De Santis	OGS	A435	14	The ODYSSEA Drift depositional archive (Ross Sea, Antarctica)
127	WED/THU	13:30-15:00	JAEWOO JUNG	Yonsei University	A117	15	Microbial alteration of Fe-bearing minerals in freezing condition
128	WED/THU	13:30-15:00	Chaewon Chang	Korea Polar Research Institute	A276	15	Analysis of main ion components and variation in shallow ice core in Northern Victoria Land (GV7, Styx) using ion chromatography.
129	WED/THU	13:30-15:00	Seokhyun Ro	Inha University	A277	15	Reconstruction of environmental proxies including conductivity, dust and ionic components from Styx firn core using Continuous Flow Analysis system combined with Melter and Ion Chromatography system
130	WED/THU	13:30-15:00	Du Hyeong Lee	Korea Polar Research Institute	A356	15	Proton-Induced Crystallization of Amorphous Solid Water
131	WED/THU	13:30-15:00	Yong Su Baek	Kyungpook National University	A359	15	Existence of IO2H and its role in the formation of I2 in icy water
132	WED/THU	13:30-15:00	Yun Hak Lee	KOPRI/Polar Paleoenvironment	A361	15	Freeze concentration effect enhanced fluorescence analysis method for Fe(II)
133	WED/THU	13:30-15:00	Svetlana Shostak	KNU	A365	15	Ice Surface Sulfuric Acid Formations via the Oxidation of Sulfurous Acid by Hydrogen Peroxide
134	WED/THU	13:30-15:00	HYUNYOUNG CHUNG	KOPRI	A368	15	Chemical reactions between hexavalent chromium and iodide in ice
135	WED/THU	13:30-15:00	Kitae Kim	Korea Polar Research Institute	A369	15	Enhanced chemical processes in ice and its impact on cold environment
136	WED/THU	13:30-15:00	Tae Uk Han	Korea Polar Research Institute (KOPRI)	A372	15	Enhanced removal of Cr(VI) in the presence of rice husk biochar in frozen aqueous solution
137	WED/THU	13:30-15:00	Jaehyeock Bang	Department of Chemistry, Seoul National University	A391	15	Low Energy Electron Transmission and Trapping in Crystalline Ice Films
138	WED/THU	13:30-15:00	Bomi Kim	KOPRI	A403	15	Chemical Detection and Characterization in Quasi-Liquid Layer on Ice Using in-situ Raman Spectroscopy
139	WED/THU	13:30-15:00	Heejin Hwang	Korea Polar Research Institute	A484	15	Plutonium fallout reconstructed from an Antarctic Plateau snowpack using inductively coupled plasma sector field mass spectrometry
140	MON/TUE	13:45-15:00	Benoit Faucher	University of Ottawa - Department of Geography, Environment and Geomatics	A021	16	Hydrochemistry, mass balance and ice-cover dynamics of Lake Untersee (Queen Maud Land).
141	MON/TUE	13:45-15:00	Christopher Gardner	The Ohio State University	A221	16	Change at 85 Degrees South: Heekin Valley Proglacial Lakes from 1960 to 2018
142	MON/TUE	13:45-15:00	Maddie Myers	Louisiana State University	A410	16	Spatiotemporal Heterogeneity of Climatic Controls on Snow Persistence on the Lakes of Taylor Valley, east Antarctica and Implications for Primary Productivity
143	MON/TUE	13:45-15:00	Antonio Correia	University of Evora, Dept. of Physics	A425	16	GEOELECTRIC SURVEY TO STUDY THE AQUIFER FORMATIONS NEAR THE PERUVIAN ANTARCTIC STATION OF MACHU PICCHU, KING GEORGE ISLAND, MARITIME ANTARCTICA
144	WED/THU	13:30-15:00	Kee Hwan Lee	Yonsei University	A118	17	Characteristics of clay minerals deposited in the sediment: Larsen Ice Shelf B embayment, Antarctica
145	WED/THU	13:30-15:00	Claudio Mazzoli	University of Padova	A136	17	The Antarctic barnacle Bathylasma corolliforme as geochemical archive of environmental conditions in the Ross Sea
146	WED/THU	13:30-15:00	Claudio Mazzoli	University of Padova	A138	17	Latitudinal screening of Southern Ocean limpet isotope compositions and incremental banding across the Polar Front
147	WED/THU	13:30-15:00	Julie Zurbuchen	University of California Santa Barbara	A187	17	Late Holocene ice mass changes recorded in a relative sea-level record from Joinville Island, Antarctica
148	WED/THU	13:30-15:00	Olivia Truax	University of Otago	A238	17	Holocene paleoceanographic evolution at the Ross Sea-Southern Ocean interface
149	WED/THU	13:30-15:00	Marcello Blaxell	University of Canberra	A362	17	Deglaciation of large East Antarctic glacial basins that are grounded below sea level: A preliminary study of the Denman Glacier system
150	MON/TUE	13:45-15:00	Jhon Fredy Mojica Moncada	Center for global Sea Level Change (CSLC), New York University Abu Dhabi (NYUAD)	A034	18	Characterization of ocean mixing during the 2017 Weddell Polynya event
151	MON/TUE	13:45-15:00	Boo-Keun Khim	Pusan National University	A054	18	Particulate matter in the polynya of Terra Nova Bay in the western Ross Sea: record of 2014 to 2016
152	MON/TUE	13:45-15:00	Hyangsun Han	Korea Polar Research Institute	A275	18	Operational iceberg A68 monitoring with remote sensing and information services
153	MON/TUE	13:45-15:00	Matthew Jeromson	Institute for Applied Ecology, University of Canberra	A336	18	Beryllium-10 concentration of West Antarctic marine sediments and its relationship to ice shelf ocean circulation and depositional environments
154	MON/TUE	13:45-15:00	Mengmeng Li	School of Geography and Ocean Science, Nanjing University	A338	18	Arctic sea ice thickness retrievals from CryoSat-2: seasonal and interannual comparisons of three different products
155	MON/TUE	13:45-15:00	yi chen	Beijing Normal University	A133	19	Anomalous heat fluxes over Indian Ocean in association with the Arctic Oscillation during boreal winter

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No.	Day	Time	Presenter	Institution/Organization	Abstract no.	Session no.	Title
156	MON/TUE	13:45-15:00	yiwen Shi	Beijing Normal University	A151	19	Unstable Interannual relationship between Arctic Oscillation and Indian Ocean During Boreal Winter: Different Regimes of Air–Sea Interaction
157	MON/TUE	13:45-15:00	Rui Mao	Beijing Normal University	A198	19	Increasing difference of surface air temperature between Eastern Antarctica and Antarctic Peninsula in future climate : A multimodel ensemble analysis
158	MON/TUE	13:45-15:00	Seong-Joong Kim	Korea Polar Research Institute	A203	19	A numerical simulation of a strong wind event in January 2013 at King Sejong station, Antarctica
159	MON/TUE	13:45-15:00	Sicheng He	Beijing Normal University	A240	19	Performance of Amundsen Sea Low Variation in CAS FGOALS-f2 Model
160	MON/TUE	13:45-15:00	Sang-Yoon Jun	Korea Polar Research Institute	A280	19	Dynamical mechanisms of the poleward intensification of the southern hemispheric westerlies during the Last Glacial Maximum
161	MON/TUE	13:45-15:00	Chang-Kyu Lim	KOREA POLAR RESEARCH INSTITUTE	A451	19	A reconstruction of the ASL intensity using multiple linear regression model during 20th century
162	WED/THU	13:30-15:00	Marcelo A Reguero	Instituto Antártico Argentino (IAA)	A086	20	Paleobiological inferences of the Antarctic dinosaur Antarctopelta oliveroi (Ornithischia: Ankylosauria) based on the bone histology of the holotype specimen
163	WED/THU	13:30-15:00	Docho Dochev	Sofia University "St. Kliment Ohridski"	A095	20	Palynological study on parts of the Byers Group, Livingston Island, Antarctica – proxy for age, palaeoenvironmental and palaeoclimatic assessment
164	WED/THU	13:30-15:00	Jose OGorman	Museo de La Plata-UNLP	A111	20	SEARCHING ON THE BOUNDARY: A RICH VERTEBRATE ASSEMBLAGE ON THE ANTARCTIC UPPERMOST MAASTRICHTIAN
165	WED/THU	13:30-15:00	Marcelo Reguero	Instituto Antártico Argentino	A182	20	FIRST REPORT OF A SKELETAL PATHOLOGY OF A MOSASAUR FROM THE SOUTHERN HEMISPHERE
166	WED/THU	13:30-15:00	Marcelo A Reguero	Instituto Antártico Argentino (IAA)	A269	20	The early radiation of modern whales: new insights from Eocene records from Antarctica.
167	WED/THU	13:30-15:00	Soledad Gouiric-Cavalli	Museo de La Plata	A353	20	Jurassic marine fishes from the Antarctic Peninsula: a key to understand the evolution of Southern Gondwanan ichthyofaunas
168	WED/THU	13:30-15:00	Javier Gelfo	CONICET-División Paleontología Vertebrados, Museo de La Plata.	A390	20	New fossil vertebrates from the Paleogene of Seymour/Marambio Island, James Ross Basin, West Antarctica
169	WED/THU	13:30-15:00	Yagmur Gunes	Istanbul Technical University	A283	21	Revealing microbial influences on alteration of basaltic rocks as inferred from water and rock chemistry: Implications for Weathering processes on King George and Deception Island, Antarctica
170	WED/THU	13:30-15:00	Carolina Henríquez valenzuela	Universidad Andres Bello	A320	21	Inorganic and organic carbonate precipitation in the Laguna Timone Maar, Pali Aike volcanic field, southern Patagonia.
171	WED/THU	13:30-15:00	Carolina Henríquez valenzuela	Universidad Andres Bello	A452	21	Preliminary results on the geomicrobiology of the sedimentary substrate of the Laguna Timone maar, Patagonia
172	WED/THU	13:30-15:00	Aneliz Bahniuk Rumbelsperger	Parana Federal University / UFPR / LAMIR	A468	21	Patagonia Modern Microbial Carbonates: Potential Areas To Better Understand Early Life
173	WED/THU	13:30-15:00	Tobias Staal	University of Tasmania	A083	22	A computational framework and 3D model, 'agrid', for interdisciplinary Antarctic research.
174	WED/THU	13:30-15:00	Belinda Smith Lyttle	GNS Science	A237	22	GeoMAP dataset of the Antarctic Peninsula
175	WED/THU	13:30-15:00	Simon Cox	GNS Science	A253	22	GeoMAP on REMA
176	WED/THU	13:30-15:00	SIMONE DARJI	M.G. SCIENCE INSTITUTE	A272	22	SCENARIO OF GLACIER ICE DYNAMICS OF EASTERN AND WESTERN PARTS OF ANTARCTICA
177	WED/THU	13:30-15:00	PRASHANT -	TERI University	A311	22	Spectral approach to map blue ice area of the Polar Record Glacier, East Antarctica
178	WED/THU	13:30-15:00	Alex Burton-Johnson	British Antarctic Survey	A445	22	Evidence for a permanent lava lake in British Territory: Remote sensing of Mt. Michael, South Sandwich Islands
179	WED/THU	13:30-15:00	Jeronimo Lopez-Martinez	University Autonoma de Madrid	A476	22	The northern Antarctic Peninsula region spectral library of ice-free areas to support ground truthing and validation of satellite information
180	WED/THU	13:30-15:00	Ignat Korchagin	Institute of Geophysics, NAS of Ukraine	A091	23	Geophysical investigation in the Ukrainian marine Antarctic expedition of 2018: measuring equipment and methods of prospecting, some results
181	WED/THU	13:30-15:00	Popov Sergey	Polar marine geosurvey expedition	A164	23	Organizing the runways in the area of the Russian Antarctic stations in East Antarctica sector during the seasons of the 59 - 64rd RAE (2013/19)
182	WED/THU	13:30-15:00	Banyu Firdaus Soerawidjaja	Pukyong National University	A371	23	Photostable polymeric nanoparticle containing organic near-infrared dye with enhanced biocompatibility under hyperthermal irradiation at low-temperature.
183	WED/THU	13:30-15:00	Xiaopeng Fan	Polar Research Center, Jilin University	A424	23	The development of portable hot water drill and hot-point drill for temperature measurement of mountain glacier
184	WED/THU	13:30-15:00	Dongwoo Kim	KAIST	A433	23	Use of Local-area Differential GNSS System for Polar Exploration
185	WED/THU	13:30-15:00	Jayun Ha	Pukyong National University	A434	23	Microemulsion with near-infrared dye for surface adhesion and photothermal effect
186	WED/THU	13:30-15:00	Paula Enciso	Laboratorio de Biomateriales, Facultad de Ciencias, UdelaR, Montevideo, Uruguay.	A470	23	Evaluation of dyes obtained from Antarctic red algae in DSSC

## Poster Presentation List

No.	Day	Time	Presenter	Institution/Organization	Abstract no.	Session no.	Title
187	WED/THU	13:30-15:00	Palmira Cuellar-Ramirez	UNAM/ RedLatM / YESS Community	A436	24	The importance of global-south scientists engagement for the Antarctic preservation; opportunities to new policies and climate action to citizens
188	WED/THU	13:30-15:00	Jeronimo Lopez-Martinez	University Autonoma of Madrid	A477	24	Consideration of geological heritage in the Antarctic protection system: current situation and future perspectives
189	WED/THU	13:30-15:00	Jeronimo Lopez-Martinez	University Autonoma of Madrid	A479	24	Steps for the SCAR advice to the Antarctic Treaty System about identification and conservation of Antarctic geological values
190	WED/THU	13:30-15:00	Deniz Vural	Istanbul Technical University	A488	24	A national point of coordination and outreach steps
191	WED/THU	13:30-15:00	Sergio Goncalves junior	Rio de Janeiro State University (UERJ)	A112	25	Insights on the formation and long-term accumulation of perchlorate in Antarctica: A potential source of salinity to the subglacial environment
192	WED/THU	13:30-15:00	yufang zhang	beijing normal university	A159	25	Simulating Antarctic subglacial hydrology processes beneath Pine Island Glacier, West Antarctica, using GlaDS model in Elmer/Ice
193	WED/THU	13:30-15:00	Paul Augustinus	The University of Auckland	A315	25	Subglacially-precipitated carbonates reflect sub-Ice Sheet Hydrology
194	WED/THU	13:30-15:00	Yu Cai	Nanjing University	A030	26	Variations of Lake Ice Phenology on the Tibetan Plateau from 2001 to 2017 Based on MODIS Data
195	WED/THU	13:30-15:00	stephen trumble	Baylor University	A065	26	Running on Empty: Leopard Seal Lipid Profiles Expose a Precarious Existence
196	WED/THU	13:30-15:00	Guo-hui Yao	School of Geography and Ocean Science of Nanjing University	A102	26	Identification of mountain glacier in the central Himalaya using ALOS-2 PALSAR data
197	WED/THU	13:30-15:00	Catherine Chong	International Medical University	A103	26	Polymicrobial biofilms from Signy Island (Antarctica) and ROS production by bacterial isolates resistant to heavy metals
198	WED/THU	13:30-15:00	yayue sun	Tongji University, China	A167	26	Penguins feathers as bioindicators of mercury contamination in Ross Sea and Zhongshan station of Antarctic: geographical and temporal trends
199	WED/THU	13:30-15:00	Yoichi Fukuda	Department of Geophysics, Graduate School of Science, Kyoto University	A171	26	A New Project on Interaction of the Solid Earth and the Antarctic Ice Sheet
200	WED/THU	13:30-15:00	Seung-Goo Kang	Korea Polar Research Institute	A228	26	Seismic image for water column in the Ross Sea from multi-channel seismic data using the frequency domain reverse time migration based on analytic Green's function
201	WED/THU	13:30-15:00	Docho Dochev	Sofia University "St. Kliment Ohridski"	A230	26	Field data about sedimentological and volcanological successions exposed on Livingston Island, Antarctica
202	WED/THU	13:30-15:00	Hanna Asefaw	Scripps Institution of Oceanography	A317	26	Paleodirection and Paleointensity Estimates from the Erebus Volcanic Province, Antarctica
203	WED/THU	13:30-15:00	Byeong-Hoon Kim	Seoul Nat'l Univ.	A376	26	Discovery of subglacial lakes in Thwaites Glacier basin using Cryosat-2 radar altimetry
204	WED/THU	13:30-15:00	Iris Maria Tusa	National Institute of Research and Development for Biological Sciences in Bucharest, Romania	A383	26	Study on human body adaptation to Antarctic environmental conditions using red blood cells as biomarkers
205	WED/THU	13:30-15:00	Corina Itcus	National Institute of Research and Development for Biological Sciences	A385	26	Diversity and Structure of microbial communities in Glacier Ice and Subglacial Streams, King George Island, Antarctica