

September 10th-15th 2017

Past Antarctic Ice Sheet Dynamics

PAIS Conference 2017

POSTER INDEX

Trieste - Italy
Palazzo dei Congressi della Stazione Marittima

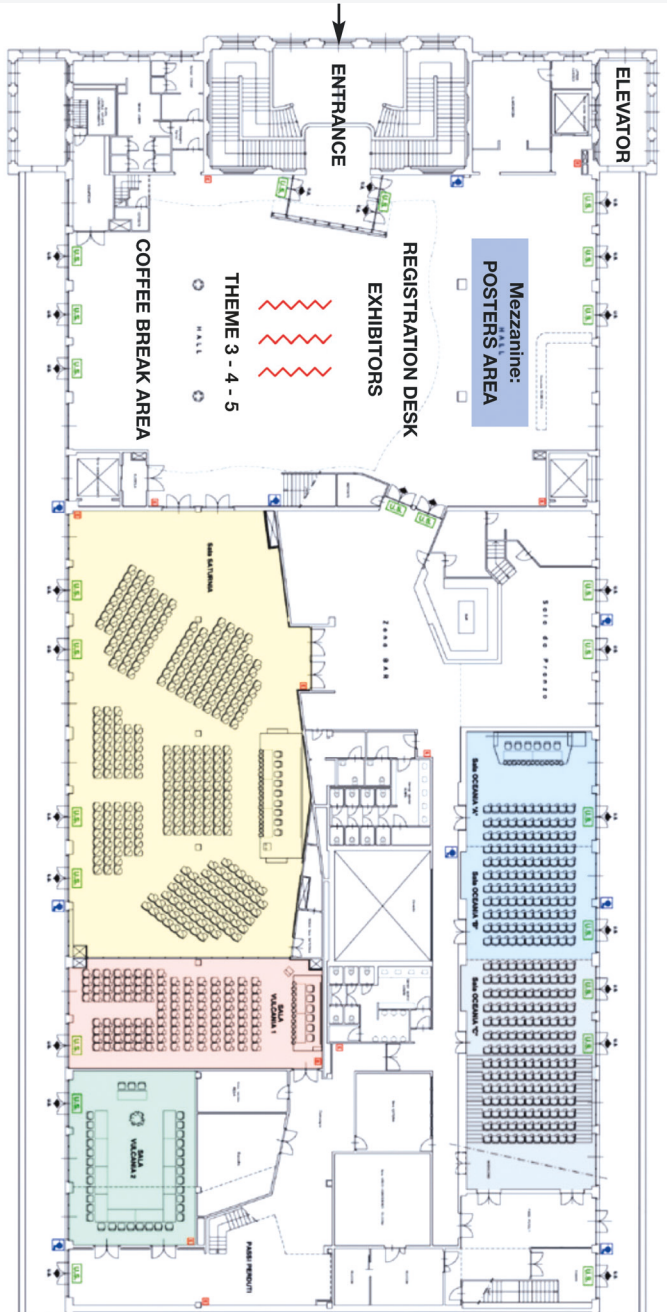


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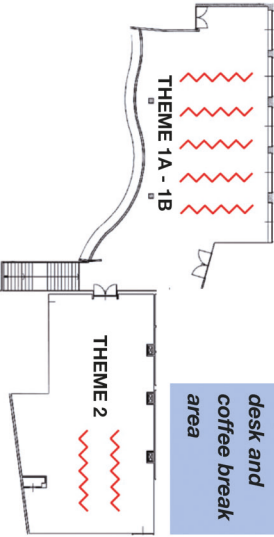


Past Antarctic Ice Sheet Dynamics

The meeting rooms of Conference



Mezzanine above the registration desk where rows with double-side boards for posters will be located



Lowel level: Registration desk and coffee break area

- OCEANIA AB
- OCEANIA C
- SATURNIA
- VULCANIA 1
- VULCANIA 2

THEME 1A

Tephrochronology of glaciomarine sediment sequences of the Ross Sea, Antarctica: a tool for the correlation of natural archives

Alessio Di Roberto

Istituto Nazionale di Geofisica e Vulcanologia, Pisa, Italy

The last thousand years at Talos Dome, Antarctica

Anaïs Orsi

Laboratoire des Sciences du Climat et de l'Environnement, LSCE/IPSL, CEA-CNRS-UVSQ, Université Paris-Saclay Gif-sur-Yvette, France

Last Interglacial climate variability at TALDICE, East Antarctica

Barbara Stenni

Dipartimento di Scienze Ambientali, Informatica e Statistica, Università Ca' Foscari, Venezia, Italy

Snow petrel stomach oil deposits ("Antarctic mumiyo") as archives for the environmental history of terrestrial East Antarctica

Berg Sonja

Institute of Geology and Mineralogy, University of Cologne, Germany

Paleoceanographic changes in the continental slope in the Central Basin of the Ross Sea since the last glacial

Boo-Keun Khim

Pusan National University, Rep. of Korea

Isotopic and snow accumulation stacked record in East Antarctic site during satellite era

Claudio Scarchilli

Laboratory for Earth Observations and Analyses, ENEA, Rome, Italy

New Multibeam Bathymetric data from PNRA – WHISPERS Project on the southeastern side of the Hayez Bank in the Ross Sea (Antarctica): preliminary results

Elisabetta Olivo

Istituto Nazionale di Oceanografia e di Geofisica Sperimentale-OGS, Trieste, Italy

Reconstructing Circumpolar Deep Water: A new Mg/Ca-Temperature calibration for the benthic foraminifer *Trifarina angulosa* around Antarctica

Elaine Mawbey

University of Bristol, Bristol, United Kingdom

Paleoglaciological study of Borgmassivet, Dronning Maud Land, East Antarctica, using WorldView imagery

Elena Serra

Geomorphology & Glaciology, Department of Physical Geography and Bolin Centre for Climate Research, Stockholm University, Sweden

Ice sheet retreat and glacio-isostatic adjustment in Lützow-Holm Bay, East Antarctica

Elie Verleyen

Lab. Protistology & Aquatic Ecology, Department of Biology, Ghent University, Ghent, Belgium

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Poster Index

Paleo Ice Flow Dynamics in the Dibble Glacier section of East Antarctica

Frank O. Nitsche

Lamont-Doherty Earth Observatory of Columbia University, USA

Potential for non-linear response of Antarctic outlet glaciers;

Insights from David Glacier, Antarctica

Jamey Stutz

Antarctic Research Centre, Victoria University of Wellington, New Zealand

Topographic signature of cold, dense water overflow

in the Hillary Canyon, Ross Sea, Antarctica

Jenny Gales

National Oceanography Centre Southampton, European Way, Southampton, UK

Opposite climatic trend between the East Antarctica margin and the northern hemisphere over the last 2,000 years?

Johan Etourneau

Instituto Andaluz de Ciencias de la Tierra, CSIC-Universidad Granada, Granada, Spain

New geophysical and sediment core data reveal a large-scale post-LGM West Antarctic stacked grounding-zone wedge on the Amundsen Sea Embayment shelf

Johann Klages

Alfred Wegener Institut, Helmholtz Centre for Polar and Marine Research, Bremerhaven, Germany

A Holocene aquatic palynomorph and TEX86-based temperature record from the Adélie coastal margin, Antarctica (IODP Site U1357)

Julian Hartman

Department of Earth Sciences, Utrecht University, Utrecht, The Netherlands

Effect of crustal deformation due to surface loads on the ocean depth around Antarctica

Jun'ichi Okuno

National Institute of Polar Research, Tokyo, Japan

A Larsen C core sediment record history unravels Snowball Earth hypothesis

Kyu-Cheul Yoo

Korea Polar Research Institute, Incheon, Republic of Korea

Provenance analysis of eastern and central Ross Sea LGM till sediments (Antarctica): petrography, geochronology and thermochronology detrital data

Matteo Perotti

Department of Physical Sciences, Earth and Environment, University of Siena, Italy

The newly discovered Odyssea Drift (Ross Sea): preliminary results

Michele Rebesco

Istituto Nazionale di Oceanografia e di Geofisica Sperimentale-OGS, Trieste, Italy

Mapping of microglacial landforms using the UAV-SfM method on the Sôya Coast, East Antarctica

Moto Kawamata

Department of Polar Science, SOKENDAI, Tokyo, Japan

Anvers-Hugo Trough palaeo-ice stream, Antarctic Peninsula: geomorphological evidence for the role of subglacial water in facilitating ice stream flow

Robert Larter

British Antarctic Survey, Cambridge UK

Be-10 evidence for a paleo-subglacial lake and subsequent deglaciation processes in Pine Island Bay, West Antarctica

Yusuke Suganuma

National Institute of Polar Research, Tokyo, Japan

Controls on variations in sedimentary deposits produced by a retreating ice stream grounding line

Zoë Roseby

University of Southampton, Southampton, United Kingdom

Glacial Antarctic Warm events as captured by RICE ice cores

Abhijith Ulayottil Venugopal

Antarctic Research Centre, Victoria University of Wellington, Wellington, New Zealand

Recent morpho-sedimentary processes in the southern part of Ona Basin, Antarctica: Styles of contourite deposition

Adrián López-Quirós

Instituto Andaluz de Ciencias de la Tierra, CSIC-UGR, Granada, Spain

Evidence of a dynamic ice sheet system in Filchner Trough until the early Holocene

Arndt, Jan Erik

Alfred-Wegener-Institut, Helmholtz-Zentrum für Polar- und Meeresforschung, Bremerhaven, Germany

Compound-specific radiocarbon analysis Application for dating Antarctic sedimentary records

Berg Sonja

Institute of Geology and Mineralogy, University of Cologne, Germany

New sedimentary records of Eastern Ross Ice Shelf retreat since the Last Glacial Maximum

Christian Ohneiser

Dept. of Geology, University of Otago, Dunedin, New Zealand

Early Holocene climate variability in the Eastern Ross Sea Initial Results from the Major Ion Analysis of the RICE Ice Core

Eling Lukas

Victoria University Wellington, New Zealand

The Holocene deglaciation of the East Antarctic margin: High resolution multiproxy record from Site U1357 (Adélie Land)

Francisco J. Jimenez-Espejo

Department of Biogeochemistry, (JAMSTEC), Japan

The seafloor geomorphic record of ice flow from the Antarctic Peninsula

Julia Wellner

University of Houston, Department of Earth and Atmospheric Sciences, TEXAS, USA

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Using Computed Tomography (CT) Scans of an Adélie Basin Sediment Core to Reconstruct the Holocene

Katelyn M. Johnson

Antarctic Research Centre, Victoria University of Wellington, Wellington, New Zealand

Sea salt sodium record from Talos Dome (East Antarctica) as a potential proxy of the Antarctic past sea ice extent

Mirko Severi

University of Florence, Chemistry Dept. Sesto Fiorentino, FI, Italy

Triple surface snow isotopic composition records metamorphism

Mathieu Casado

LSCE, UMR 8212, CEA-CNRS-UVSQ-UPS, Gif sur Yvette, France

Sea ice and diatom productivity in the Ross Sea, Antarctica: the response to post-glacial warming

Rebecca Parker

Department of Geology, University of Otago, Dunedin, New Zealand

Sediment deposition in response to the glacial-interglacial changes on the continental slope of eastern Pennell-Iselin Bank in the Ross Sea, Antarctica

Sangbeom Ha

Department of Oceanography, Pusan National University, Rep. of Korea

Geochemical reconstruction of paleoenvironmental conditions using sediment cores from the continental slope of Sabrina Coast, East Antarctica

Taryn Noble

University of Tasmania, Australia

In situ benthic foraminifera from below the paleo-ice shelf in the Whales Deep Basin, eastern Ross Sea

Wojciech Majewski

Institute of Paleobiology, Polish Academy of Sciences, Warszawa, Poland

Paleoenvironmental changes related to ice sheet and ice shelf developments in the Ross Sea since 15 kyr B.P.

Zhihua Chen

Key Laboratory of Marine Sedimentology and Environmental Geology, First Institute of Oceanography, State Oceanic Administration, Qingdao, China

Subglacial lakes, seafloor geomorphology and deglaciation history in Pine Island Bay, West Antarctica during the last glacial termination

Gerhard Kuhn

Alfred Wegener Institut, Helmholtz Centre for Polar and Marine Research, Bremerhaven, Germany

Cosmogenic exposure dating in Antarctica: what can we learn about ice-sheet history?

Andrew Mackintosh

Antarctic Research Centre, Victoria University of Wellington, New Zealand

THEME 1B

Late Eocene-Miocene sedimentation in the southeastern margin of the South Orkney Microcontinent, Drake Passage, Antarctica: Evidence for a major marine transgression

Adrián López-Quirós

Instituto Andaluz de Ciencias de la Tierra, CSIC-UGR, Granada, Spain

Glacial sedimentary processes at a major West Antarctic trough-mouth fan: The Belgica Fan

Alastair Graham

College of Life and Environmental Sciences, University of Exeter, United Kingdom

Analysis of marine core sediments from ODP Site 696 and implications for the onset of Antarctic glaciation

Allison Lepp

Department of Earth and Environmental Studies, Montclair State University, NJ, U.S.A.

Bottom current deposition in the Antarctic Wilkes Land margin during the Oligocene

Ariadna Salabarnada

Instituto Andaluz de Ciencias de la Tierra, CSIC-Univ. de Granada, Granada

The East Antarctic tephrostratotype of TALDICE ice core: implications for chronostratigraphic correlations

Biancamaria Narcisi

ENEA C.R. Casaccia, Rome, Italy

Late Oligocene-Early Miocene transition: Paleoclimatic and paleoceanographic changes linked to a dynamic East Antarctic Ice Sheet, off the Wilkes Land margin

Dimitris Evangelinos

Instituto Andaluz de Ciencias de la Tierra, CSIC-Univ. de Granada, Armilla, Spain

Totten Glacier dynamics and Southern Ocean circulation impact on depositional processes since the mid-late Cenozoic: the PNRA Tytan Project

Federica Donda

Istituto Nazionale di Oceanografia e di Geofisica Sperimentale-OGS, Trieste, Italy

Early Glacial High-Energy Fluvial System of East Antarctica

German Leitchenkov

VNIIOkeangeologia, St.-Petersburg, Russia

Sequence stratigraphy and facies analysis of the Friis Hills Drilling Project drillcore: Towards a reconstruction of Early to Mid-Miocene East Antarctic Ice Sheet variability

Hannah Chorley

Antarctic Research Centre, Victoria University of Wellington, New Zealand

Unlocking atmospheric temperatures from Antarctica's past

Jacob T.H. Anderson

Department of Marine Science, University of Otago, Dunedin, New Zealand

Past Antarctic Ice Sheet Dynamics

Poster Index

Oligocene sea water temperatures offshore Wilkes Land (Antarctica) indicate warm and stable glacial-interglacial variation and suggest latest Oligocene ice-sheet decline

Julian D. Hartman

Department of Earth Sciences, Utrecht University, Utrecht, The Netherlands

Seismic stratigraphic correlation with MeBo seabed drill cores of the Amundsen Sea Embayment shelf

Karsten Gohl

Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research, Bremerhaven, Germany

Between Greenhouse and Icehouse - paleobathymetry of the Southern Ocean at the Eocene/Oligocene Boundary

Katharina Hochmuth

Alfred Wegener Institut, Helmholtz Center for Polar and Marine Research, Bremerhaven, Germany

Southern Scotia Sea basins as archives of global environmental changes

Lara F. Pérez

Geophysical Department, Geological Survey of Denmark and Greenland (GEUS), Copenhagen, Denmark

Molecular characterization of Dissolved Organic Matter in glacial and interglacial Antarctic ice

Roberta Zangrando

Institute for the Dynamics of Environmental Processes CNR, Mestre (VE), Italy

Ice-proximal record of the East Antarctic Ice Sheet glacial history

Amelia Shevenell

Institute for Geophysics, Jackson School of Geosciences, University of Texas at Austin, Austin, Texas, USA

Ancient buried landscapes in the Weddell Sea Sector of Antarctica are records of restricted ice sheet extent in the past

Stewart Jamieson

Department of Geography, Durham University, Durham, United Kingdom

The weathering of granitic rocks in the Sør-Rondane Mountains, East Antarctica

Yusuke Suganuma

College of Humanities and Sciences, Nihon University, Tokyo Japan

Insights into the evolution of the Antarctic Ice Sheet from cosmogenic nuclide analysis in the Ellsworth Mountains

Andrew Hein

School of GeoSciences, University of Edinburgh, Edinburgh, United Kingdom

Late Oligocene contourite sedimentation in the Antarctic Wilkes Land margin: IODP Site U1356

Ariadna Salabarnada

Instituto Andaluz de Ciencias de la Tierra, CSIC-Univ. de Granada, Granada, Armilla, Spain

Polar frontal migration in the warm Pliocene:

Diatom and geochemical evidence from the Wilkes Land margin, East Antarctica

Christina Riesselman

University of Otago, Department of Geology, New Zealand

Preliminary results of integrated geophysical and geological data collected offshore the Borchgrevink coast between the Coulman Island and Cape Hallett in the Ross Sea, Antarctica

Chiara Sauli

Istituto Nazionale di Oceanografia e di Geofisica Sperimentale-OGS, Trieste, Italy

First results of sedimentological investigations of MeBo drill cores recovered from the West Antarctic continental shelf in the Amundsen Sea

Claus-Dieter Hillenbrand

British Antarctic Survey, Cambridge, United Kingdom

Pre-site survey for deep drilling and new observations below Ekström Ice Shelf (Sub-EIS-Obs), Dronning Maud Land

Gerhard Kuhn

Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research, Bremerhaven, Germany

Phytoplankton assemblages and (bio)geochemical proxies indicate enhanced productivity and sea-ice decline in the Ross Sea during Marine Isotope sub-Stage 5e

Julian D. Hartman

Department of Earth Sciences, Utrecht University, Utrecht, The Netherlands

Paleobathymetric grids of the Cenozoic Southern Ocean an update on a community based project

Katharina Hochmuth

Alfred Wegener Institut, Helmholtz Center for Polar and Marine Research, Bremerhaven, Germany

The West Antarctic Ice Sheet during the Late Pleistocene: Insights from geochemical provenance studies of marine sediments

Patric Simoes Pereira

Imperial College London, London, United Kingdom

The surface paleoceanographic regime offshore the Wilkes Land Margin: Results from Site U1356 and 269

Peter K. Bijl

Faculty of Geosciences, Utrecht University, Utrecht, the Netherlands

An early Pliocene short-lived disruption of Antarctic ice-sheet ocean systems with consequences for marine ice-sheet stability

Sandra Passchier

Department of Earth and Environmental Studies, Montclair State University, USA

Revised chronostratigraphy of DSDP Site 270 and implications for Ross Sea seismic stratigraphy and late Oligocene to early Miocene paleoenvironment

Denise K. Kulhanek

Integrated Ocean Drilling Program, Texas A&M University, College Station, TX, USA

East Antarctic Ice Sheet dynamics and Southern Ocean paleoceanography at the Middle Miocene Climate Transition; evidence from diatoms

Freya Mitchison

School of Earth & Ocean Sciences, Cardiff University, United Kingdom

Geometry of ice-stream retreat in the easternmost Amundsen Sea Embayment, West Antarctica

Gabriele Uenzelmann-Neben

Alfred Wegener Institut, Helmholtz Center for Polar and Marine Research, Bremerhaven, Germany

THEME 2

Perspectives on the past evolutions of the Totten-Vanderford-MUIS and Denman-Scott catchments from erosion reconstruction

Alan Aitken

The School of Earth Sciences; the University of Western Australia, Crawley, Western Australia, Australia

Analysis of glacial marine sediments by travel time reflection tomography in the Eastern Ross Sea (Antarctica)

Andrea Geniram

Università di Trieste, Matematica e Geoscienze, e Istituto Nazionale di Oceanografia e di Geofisica Sperimentale-OGS, Trieste, Italy

WAIS sensitivity to sub-ice-shelf bathymetry during the last glacial cycle: model-data convergence in the Ross Sea

Anna Ruth Halberstadt

Department of Geosciences, University of Massachusetts, Amherst, Massachusetts USA

Recent unpinning and calving front retreat of Pine Island Glacier documented by new bathymetric and satellite data

Arndt, Jan Erik

Alfred Wegener Institut, Helmholtz Centre for Polar and Marine Research, Bremerhaven, Germany

Spatial and temporal variability of sea-salts in ice cores and snow pits from Fimbul Ice Shelf, Antarctica

Elisabeth Isaksson

Laboratory for Earth Observations and Analyses, ENEA, Rome, Italy

Simple model of mélanges and its influence on major retreat episodes in a large-scale Antarctic ice sheet model

David Pollard

Earth and Environmental Systems Institute, Pennsylvania State University, University Park, Pennsylvania, USA

Lower troposphere thermal inversion as source of seasonal disruption in stable water isotope profiles in the Filchner-Ronne Ice Shelf

Dieter Tetzner

Centre for climate and Resilience Research, Universidad de Chile, Santiago, Chile

Erosional unconformity or non-deposition?

An alternative interpretation of the Eocene seismic stratigraphy offshore Wilkes Land, East Antarctica

Isabel Sauermilch

University of Tasmania, Institute for Marine and Antarctic Studies, Hobart, Australia

Palaeo Sea Ice and Climate Dynamics:

Biomarker-based sea ice reconstructions

Juliane Müller

Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research, Bremerhaven, Germany

Modeled state of the Antarctic ice sheet during the Miocene

Lennert Stap

Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research, Bremerhaven, Germany

Constraining the late Holocene retreat and possible readvance in the SW Weddell Sea, Antarctica

Mark Pittard

Department of Geography, Durham University, Durham, United Kingdom

Improved perspective of the nature and dynamics of the processes controlling the response of Antarctic Ice Sheet

Meenu Rani

G.B. Pant Institute of Himalayan Environment & Development, India

An unusual early Holocene diatom event north of the Getz Ice Shelf (Amundsen Sea): Implications for West Antarctic Ice Sheet development

Oliver Esper

Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Germany

Different origins of BSRs in antarctic sedimentary environments

Riccardo Geletti

Istituto Nazionale di Oceanografia e di Geofisica Sperimentale-OGS, Trieste, Italy

Dynamic fluctuations of an East Antarctic outlet glacier since the Pliocene

Andrew Mackintosh

Antarctic Research Centre, Victoria University of Wellington, Wellington, New Zealand

Spatial-temporal investigation of ice dynamics over the Amery ice shelf

Simone Darji

M. G. Science Institute, Gujarat University, India

Anisotropic Imaging and Crystalline Fabric properties of Whillans Ice Stream (West Antarctica) obtained from multicomponent seismic data

Stefano Picotti

Istituto Nazionale di Oceanografia e di Geofisica Sperimentale-OGS, Trieste, Italy

Antarctic ice-sheet volume change during the Last Glacial Maximum using glacial isostatic adjustment model

Takeshige Ishiwa

National Institute of Polar Research, Tachikawa, Tokyo, Japan

Dark Ocean Dynamics in the Ross Sea: Estimating Carbon Export from the shelf to the abyss, implication for climate stability

Andrea Bergamasco

Institute of Marine Sciences, National Research Council, CNR ISMAR Venezia, Italy

Paleoclimate earth system modelling of cryosphere-ocean interactions in the Southern Hemisphere

Elizabeth Keller

GNS Science, Lower Hutt, New Zealand

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Sediment features across the grounding zone and beneath Ekström Ice Shelf, East Antarctica, imaged using on-ice vibroseis

Emma C. Smith

Alfred Wegener Institut, Helmholtz Centre for Polar and Marine Research, Bremerhaven, Germany

Ice sheet modelling of the last deglaciation

Florian Ziemen

Max Planck Institute for Meteorology, Hamburg, Germany

Ocean temperature impact on ice shelf instability along the east Antarctic Peninsula margin

Johan Etourneau

UMR 5805 EPOC, EPHE/CNRS, University of Bordeaux, Pessac, France

Revisiting the Antarctic contribution to Last Interglacial sea level variation; an ice sheet modeling parameter study

Johannes Sutter

Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research, Bremerhaven, Germany

Simplified Models of West Antarctic Ice Streams with Differing Boundary Conditions

Laurine N. van Haastrecht

Antarctic Research Centre, Victoria University of Wellington, New Zealand

Cloud-boundary layer interactions over the Antarctic ice-sheet: Implications for the surface energy budget

Manisha Ganeshan

Goddard Earth Sciences Technology and Research Studies and Investigations, USRA, Greenbelt, USA

The paradox of a long grounding during West Antarctic Ice Sheet retreat in Ross Sea

Philip J. Bart

Department of Geology and Geophysics, Louisiana State University, Baton Rouge, La, USA

Sequence of Pliocene Deglacial Events in East Antarctica and Their Wider Implications

Rachel A. Bertram

Dept. Earth Science and Engineering, Imperial College London, UK

In-situ temperature measurements for deriving geothermal heat flux in the Amundsen Sea Embayment, West Antarctica

Ricarda Dziadek

Alfred Wegener Institute, Helmholtz-Centre for Polar and Marine Research, Bremerhaven, Germany

Delayed deglaciation of Darwin Glacier, Antarctica

Trevor R. Hillebrand

Earth and Space Sciences, University of Washington, Seattle, WA, USA

Impact of Weddell Sea shelf progradation on Antarctic bottom water formation during the Miocene

Xiaoxia Huang

Alfred Wegener Institute, Helmholtz-Centre for Marine and Polar Research, Bremerhaven, Germany

Oceanic and atmospheric response to Western Antarctic Ice Sheet Collapse during Last Interglacial

Xuezhu Wang

College of Oceanography, Hohai University, Nanjing, China

Characterisation of the marine air above the Weddel Sea from water vapor stables isotopes ($\delta^{18}\text{O}$, $\delta^2\text{H}$): influence of evaporation, sea-ice cover and atmospheric circulation

Benetti Marion

Institute of Earth Sciences, University of Iceland, Reykjavik, Iceland

Antarctic Ice Sheet and Radar Altimetry

Bismay Ranjan Tripathy

Remote Sensing and GIS Department, Kumaun University, Uttarakhand, India

Antarctic Ice Sheet Dynamic and its response to ocean forcing

Pavan Kumar

Remote Sensing and GIS Department, Kumaun University, Uttarakhand, India

Vast-area mapping of ice drift using Landsat 8 OLI sensor

Neha Kumari

Mahatma Gandhi Kashi Vidyapith university, Varanasi, U.P., India

THEME 3

Late Pliocene depositional history and paleoclimate reconstructions of the southwest Pacific

Bethany Royce

Department of Geological Sciences and Environmental Studies, Binghamton University, State University of New York, Binghamton, NY, USA

Southern Ocean response to Antarctic glaciation in the mid Oligocene

Steven M. Bohaty

Ocean and Earth Science, National Oceanography Centre, University of Southampton, Southampton, United Kingdom

Late Holocene sea surface temperature reconstruction from the Conrad Rise, Southern Ocean

Lisa Orme

Norwegian Polar Institute, Tromsø, Norway

**Long-term trends in Pliocene stable isotope stratigraphy:
new insights from the southwest Pacific**

Molly Patterson

Department of Geological Sciences and Environmental Studies, Binghamton University, State University of New York, Binghamton, NY, USA

Global climate impact of modified Antarctic Ice Sheet from two distinct GCMs

Flavio Justino

Department of Agricultural Engineering, Universidade Federal de Vicosa, PH Rolfs, Vicosa, Brazil

Does sea-floor topography of the Southeast Indian Ridge record climate influences?

Masakazu Fujii

National Institute of Polar Research and SOKENDAI, Japan

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Kerguelen glacier fluctuations in pace with changes in $\delta^{18}O$ and snow accumulation from the west Antarctic Ice core record over the last 25 000 years

Jomelli Vincent

Université Paris 1 Pantheon-Sorbonne, CNRS Laboratoire de Géographie Physique, Meudon, France

THEME 4

Preliminary analysis of Holocene penguin-rockeriasat South Shetland Islands, Antarctica

Marcelo Reguero

División Paleontología de Vertebrados, Museo de La Plata. Facultad de Ciencias Naturales y Museo, Universidad Nacional de La Plata, Argentina

Quaternary biogenic carbonate sediments from northwestern Ross Sea continental shelf, Antarctica: evidences from microfossils

Gianguido Salvi

Department of Mathematics and Geosciences, University of Trieste, Italy

Do planktonic ostracods composition and spatial distribution response to the warming of Antarctic environment?

Katarzyna Blachowiak-Samolyk

Institute of Oceanology Polish Academy of Sciences, Sopot, Poland

Northward migration of the Antarctic Circumpolar Current during middle to early Pleistocene: Evidences from sediment waves on the Conrad Rise, Southern Indian Ocean

Minoru Ikehara

Center for Advanced Marine Core Research, Kochi University, Japan

Halogen Chemistry in Southern Ocean Marine Boundary Layer

Swaleha Inamdar

Centre for Climate Change Research, Indian Institute of Tropical Meteorology, India

Long-term temperature changes at the Faraday/Vernadsky station and related atmospheric circulation factors

Oleksandr Shcheglov

Ukrainian Hydrometeorological Institute, Kiev, Ukraine

Deglacial biogenic opal peaks revealing enhanced Southern Ocean upwelling

Zheng Tang

Key Laboratory of Marine Sedimentology and Environmental Geology, First Institute of Oceanography, State Oceanic Administration, Qingdao, China

Variability in microfossil (diatom) assemblages during mid-Pliocene glacial-interglacial cycles determined in Hole U1361A of IODP Expedition 318, Antarctic Wilkes Land Margin

Linda Armbrrecht

Department of Biological Sciences/MQMarine, Macquarie University, Australia

Seawater temperature and pH changes of Southern Ocean Water Masses reconstructed from the geochemistry of Antarctic cold-water corals

Paolo Montagna

Institute of Marine Sciences, National Research Council, Bologna, Italy

The modern and future large-scale atmospheric circulation over Southern Hemisphere and Antarctic

Vazira Martazinova

Ukrainian Hydrometeorological Institute, Kiev, Ukraine

Application of Remote Sensing in the Co-evolution of climate and life in the Antarctic & Southern Ocean Through Correlation of Ocean-atmosphere-cryosphere interactions with Climate Variability & Development of Cryosphere Climate Predicting Models (CCPM)

Goswami Virendra

Noida, India

Antarctic Near-shore and Terrestrial Observation System (ANTOS)

Peter Convey

British Antarctic Survey, Cambridge, United Kingdom

THEME 5

Seafloor bathymetry in Southern Ocean and Antarctica with OGS-Explora within the Italian Antarctic National Research Program (PNRA 1988-2017). OGS contribution to IBCSO compilation

Daniela Accettella

Istituto Nazionale di Oceanografia e di Geofisica Sperimentale-OGS, Trieste Italy

Clean-Access Hot Water Drilling Systems: a description of U.S. capability, availability, and past successes for collaborative Antarctic science

David Harwood

Department of Earth & Atmospheric Sciences, University of Nebraska-Lincoln, Lincoln, NE, USA

In search of direct evidence of past retreat of the West Antarctic Ice Sheet along eastern Ross Ice Shelf: Prospecting for deep stratigraphic targets by shallow drilling beneath ice rises

Molly Patterson

Binghamton University, Department of Geological Sciences and Environmental Studies, Binghamton University, State University of New York, Binghamton, NY USA

The SDLS* – A role model for success in data sharing for paleoclimate studies

Alan Cooper

USGS, Menlo Park, CA, USA

Support of research vessels in the Antarctic with near-real time radar information: an innovative service at DLR's Antarctic station GARS O'Higgins

Kathrin Höppner

German Aerospace Center (DLR), German Remote Sensing Data Center (DFD), Wessling, Germany



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