



Plenary and Parallel Session: Oral Presentation Thursday 16 July

Plenary Lectures

- 09:00-09:45 **Tracking Antarctica back in time through a Succession of Supercontinents**
Ian Dalziel W D, Research Professor at UTIG and Professor of Geological Sciences, The University of Texas at Austin, USA
- 09:45-10:30 **From maps to maximum likelihood - methodological issues in the analysis of Late Mesozoic Gondwanian vertebrate biogeography**
Paul Upchurch, University College London
- 10:30-11:00 **Coffee**

Parallel Session 19: Palaeoclimate Records from Antarctic Drilling Projects

Conveners: Laura De Santis, Carlota Escutia, Barbara Stenni

- 11:00-11:30 **Subglacial Exploration from a Pais Perspective**
Powell, R.D., Northern Illinois University
- 11:30-12:00 **"Beyond Epica": Potential sites where to find a 1.5 million year? Oldest ice? Record of climate and greenhouse gases from Antarctica**
Massimo Frezzotti, ENEA
- 12:00-12:30 **Future Plans and Strategy of IODP Drilling In Antarctica and the Southern Ocean**
Gohl, K., Alfred Wegener Institute, Helmholtz-Centre for Polar and Marine Research
- 12:30-12:50 **Questions and Answers**
- 13:00-14:00 **Lunch**
- 14:00-15:30 **Poster Presentation**

Parallel Session 22: Palaeoclimate Records from Antarctic Drilling Projects

Conveners: Laura De Santis, Carlota Escutia, Barbara Stenni

- 15:30-16:00 **Plio-Pleistocene Ice-Sheet, Atmosphere, and Ocean Dynamics in the Atlantic Sector of Antarctica**
Weber ME, University of Cologne
- 16:00-16:20 **Potential for drilling Cainozoic sediments below the Ekström Ice Shelf, Dronning Maud Land, East Antarctica**
Gerhard Kuhn, Alfred-Wegener Institute
- 16:20-16:40 **Let's get to the bottom of West Antarctic Ice Sheet evolution: An initiative to drill sediment drifts on the Amundsen Sea continental rise**
Gabriele Uenzelmann-Neben, Alfred-Wegener-Institute
- 16:40-17:00 **Insights into changing East Antarctic paleoenvironments since the Eocene based on first-ever seismic imaging and coring on the Sabrina Coast shelf**
S.P.S. Gulick, University of Texas at Austin
- 17:00-17:20 **East Antarctic Ice Sheet Dynamics During The Oligocene-Miocene Transition: Insights from IODP Site 1356 Drilling off the Wilkes Land Margin**
Ariadna Salabarnada, CSIC



- 17:20-17:40 **Clues for Late Cenozoic Antarctic Ice Sheet and Bottom Current Dynamics from A Seismostratigraphic Study in The Central Basin (Ross Sea Slope)**
S. Kim, Korea Polar Research Institute
- 17:40-18:00 **New environmental magnetic and organic geochemical insights into the Pliocene warm period from New Harbor drill cores**
Christian Ohneiser, University of Otago, Department of Geology

Parallel Session 20: Break up of Gondwana and Vertebrate evolution

Convener: GVR Prasad

- 11:00-11:20 **Gondwanan India: the cradle of origin and early evolution of modern mammals**
Sunil Bajpai, Birbal Sahni Institute of Palaeobotany
- 11:20-11:40 **Guelb el Ahmar, Morocco, first Middle Jurassic fossil assemblage including mammals from Africa: Pangean or Laurasian affinities?**
Emmanuel Gheerbrant, CNRS-Muséum National d'Histoire Naturelle
- 11:40-12:00 **A Jurassic Australosphenidan Mammal from India: Implications for Mammalian Evolution and Distribution in Former Gondwanaland**
Guntupalli V.R.Prasad, University of Delhi
- 12:00-12:20 **Implications of the Procellariiformes (Aves) Fossil Record from the Eocene of Antarctica**
Acosta Hospitaleche, C., CONICET. División Paleontología de Vertebrados, Museo de La Plata, Facultad de Ciencias Naturales
- 12:20-12:40 **Additions to the Knowledge of Notiolofofos (Mammalia: Sparnotheriodontidae) Early Eocene of West Antarctica**
Gelfo, J. N., División Paleontología de Vertebrados, Museo de La Plata, Facultad de Ciencias Naturales y Mus
- 12:40-13:00 **The Early Paleogene biota of Southern Pakistan, and the early history of the Indus drainage**
Métais, Grégoire, CR2P, MNHN

13:00-14:00 Lunch

14:00-15:30 Poster Presentation

Parallel Session 23: Southern Ocean Paleoclimatology and Lake Sediment Records of Past Changes in sea level and climate during the Late Quaternary

Conveners: Manish Tiwari, Rahul Mohan, Elie Verleyen, Anish Kumar Warriar, Mahesh B.S

- 15:30-16:00 **Lake Sediments from Antarctica and the Sub-Antarctic Islands as Recorders of Past Changes in Regional Climate and Ice Sheet Dynamics**
Verleyen E., Ghent University
- 16:00-16:20 **Paleoenvironmental variations from lake sediments of Schirmacher Oasis, East Antarctica: A multi-proxy approach**
Anish Kumar Warriar, ESSO-National Centre for Antarctic and Ocean Research
- 16:20-16:40 **Holocene environmental changes in Byers Peninsula (South Shetland Islands, Antarctica) based on a multiple dating-method approach to lake sediments**
Marc Oliva, Institute of Geography and Spatial Planning, University of Lisbon
(to be continued in parallel session 32 on 17th July)



Parallel Session 21: Surficial processes and climate change in Antarctic terrestrial environment: changes and Impact on permafrost, erosion and chemical weathering

Convener: W. Berry Lyons

- 11:00-11:20 **Snow Accumulation Pattern in The Larsemann Hills Area and in Schirmacher Oasis Region, East Antarctica**
Shah Md. Y, Geological Survey of India
- 11:20-11:40 **Fluctuation of Snow Accumulation and Ablation Pattern near Schirmacher Oasis, East Antarctica**
Swain A. K., Geological Survey of India
- 11:40-12:00 **Long term variation of meteorological parameters at maître**
M. Satheesh, India Meteorological Department
- 12:00-12:20 **Late Quaternary Climatic Fluctuations and Holocene Warming of Schirmacher Oasis, East Antarctica**
Shrivastava P. K., Geological Survey of India
- 12:20-12:40 **Initiation and phases of Deglaciation in East Antarctica**
Yogesh Ray, ESSO-National Centre for Antarctic and Ocean Research
- 12:40-13:00 **Chemical Weathering in Antarctic Streams: More Evidence**
W. Berry Lyons, School of Earth Sciences, The Ohio State University

13:00-14:00 Lunch

14:00-15:30 Poster Presentation

Parallel Session 24: Surficial processes and climate change in Antarctic terrestrial environment: changes and Impact on permafrost, erosion and chemical weathering

Convener: W. Berry Lyons

- 15:30-15:50 **Comparison of Lake Water Hydrochemistry between Two Periglacial Zones of East Antarctica**
Asthana R., Geological Survey of India
- 15:50-16:10 **Changes Climatically Induced on Maritime Antarctic Freshwater Ecosystems during The Last Decade (Uruguay Lake, King George Island)**
Eguren G., Environmental Sciences and Ecology Institute, Sciences Faculty, de la República University
- 16:10-16:30 **Calcium Isotopic Geochemistry of an Antarctic Aquatic System**
W. Berry Lyons, The Ohio State University
- 16:30-16:50 **The Preliminary Results of Iron Concretions from Mckinnon Member of Bainmedart Coal Measures of Amery Group in Northern Prince Charles Mountains, East Antarctica**
Yingchun Cui, First Institute of Oceanography, SOA
- 17:00-17:30 Plenary Session : Conservation of Geoheritage in Antarctica - Special Plenary Chris Carson**