Programm for Session PP19: Global Lake Drilling in the 21st Century: The Emergence of Long Continental Paleoenvironmental Records (PP19)

Chairpersons: Daniel Ariztegui, Julie Brigham-Grette and Bernd Zolitschka

Please note: All talks are scheduled for a 10 minutes duration (including discussion), except for invited talks (marked by *) which are 15 minutes including discussion.

Oral Session I (Monday, December 14, 2009, 13:40-15:40h)

Takeshi Nakagawa et al.*: Lake Suigetsu 2006 varved sediment project - towards a purely terrestrial radiocarbon calibration model

Taku Ajioka et al.: Paleotemperature reconstruction in Lake Biwa, central Japan, during the last 50,000 years

Carrie Morrill et al.: Unravelling the climatic causes of past lake level change using lake energy and water balance models

Julie Brigham-Grette et al.: Deep Drilling 2009 at Lake El'gygytgyn, NE Russia: Success and Recovery of a Continuous 3.6 Myr Arctic Paleoclimate Record

Martin Melles et al.: The Impact of Mass Movement Events on the Pelagic Sediment Record in Lake Elgygytgyn, NE Russia

John Inge Svendsen et al.: Deep lakes in the Polar Urals – unique archives for reconstructing the Quaternary climate and glacial history in the Russian Arctic

Jens Mingram et al.*: Monsoon variability of the East Asian mainland during the last glacial/interglacial cycle as recorded from varved lake sediments

Chengshan Wang: Completion and Preliminary Achievements of Chinese Cretaceous Continental Scientific Drilling Project- SK-1

Yarrow Axford et al.: Arctic Environmental Change Recorded In Lake Sediments from Baffin Island, Canada: The Past Century Compared With the Past 200,000 Years

Martijn L Woltering et al.: Distribution of lacustrine Crenarchaeota in Lake Superior: implications for the application of the TEX86 temperature proxy

Oral Session II (Monday, December 14, 2009, 16:00-18:00h)

Mordechai Stein et al.*: Towards high-resolution and accurate calendar chronologies of long-term records of Pleistocene lacustrine formations by integration of U-series and oxygen isotopes data

Bernd Wagner et al.: SCOPSCO – Scientific Collaboration on Past Speciation Conditions in Lake Ohrid

Soumaya Belmecheri et al.: Potential of Lake Ohrid for long paleoclimatic and paleoenvironmental records: The last glacial-interglacial cycle (140 ka)

Nicholas McKay et al.: A scanning-XRF record of Lake Bosumtwi sediments: Implications for West African Monsoon variability over the past 500 kyr

Thomas C. Johnson et al.*: A 150,000 -Year Record of Temperature from Lake Malawi, East Africa

Sarah Ivory et al.: Effect of aridity and rainfall seasonality on vegetation in East Africa during the Late Pleistocene

Johan Weijers et al.: Fluxes and distribution of intact glycerol dialkyl glycerol tetraether membrane lipids in the water column of Lake Challa, East Africa

Andrew S Cohen et al.: The Hominin Sites And Paleolakes Drilling Project: Using High Resolution Paleoclimate Records from African Lake Deposits to Interpret Human Evolution

Hong-Chun Li et al.: Acid-leachable Li and Mg from Lake Cuitzeo sediments in the central Mexico: Paleoclimate change during the past 45 Ka

Bernd Zolitschka et al.: Deep Drilling at Laguna Potrok Aike, Argentina: Recovery of a Paleoclimate Record for the Last Glacial from the Southern Hemisphere

Stephanie Kastner et al.: Climatically induced depositional dynamics – Results of an areal sediment survey at Laguna Potrok Aike, Argentina
Poster Session (Monday, December 14, 2009, 9:00-12:00h)

Anders J Noren et al.: LacCore: Support for the terrestrial sediment core research community

Emma J Pearson et al.: Organic geochemical evidence for climate changes over the Lateglacial-Holocene in Lake Suigetsu, Japan

Olaf Juschus et al.: Sedimentation in Lake Elgygytgyn, NE Russia, during the past 340,000 years

Volker Wennrich et al.: High-resolution inorganic geochemistry of high arctic Lake Elgygytgyn/NE Siberia over the last 340ka

Peter Rosen et al.: Fourier transform infrared spectroscopy: a technique for rapid, quantitative analysis of biogeochemical properties from Lake El'gygytgyn

Addie R Holland et al.: Bulk and compound-specific isotopic signatures of carbon cycling and anoxia at Lake El'gygytgyn

Stephen J Burns et al.: The emerging lipid biomarker record of environmental change at Lake El'gygytgyn, NE Russia

Jeffrey A Snyder et al.: Diatom Assemblages Preserved During Intervals of Peak Warmth Inferred in Sediment Cores from Lake El'gygytgyn, Siberia: Implications for Paleoenvironmental Reconstructions from the Lake

Yongjian Huang et al.: Pyrite morphology of Unit 1 of Qingshankou Formation of Cretaceous Songliao Basin, NE China

Huaichun Wu et al.: Microbially mediated carbon cycling at the Cenomanian-Turonian transition in lacustrine environments

Song Zhiguang et al.: Sedimentary environments for the massive formation of the lacustrine organic rich petroleum source rocks of late Cretaceous from Songliao Basin, China

Hendrik Vogel et al.: The sediment record of Lake Ohrid (Albania/Macedonia)

Adi Torfstein et al.: Northward migration of tropical storms via the Saharo-Arabian desert belt during past interglacials

Bronwen Konecky et al.: A 75,000-Year Precipitation Record from Lake Malawi, Africa Based on Compound-Specific D/H Ratios

Robert P Lyons et al.: Scientific drilling in continental East Africa: The dominance of eccentricity-modulated precession and half precession on continental tropical climate

Benjamin Schupack et al.: The first cryptotephra identification in Svalbard lacustrine sediments

Brittany Pyke et al.: Seismic reflection data from Lake Elsinore, Southern CA, reveal a sustained late-Holocene lake lowstand

Tz-Shing Kuo et al.: Organic carbon contents and isotopic compositions in the Lake Cuitzeo sediments from the central Mexico during the past 45 Ka: Changes in lake level and climate

Alyson Cartwright et al.: Geochronology and stratigraphy of pluvial Argentinean lakes: implications for Quaternary climate change

Catalina Gebhardt et al.: Origin and evolution of the Laguna Potrok Aike maar (Southern Patagonia, Argentina) as revealed by seismic data

Cristina Recasens et al.: Blooms from the past: Building up a long diatom record from PASADO

Aurele Vuillemin et al.: Investigating the deep cool lacustrine biosphere: Lake Potrok Aike, Patagonia, Argentina

Anders J Noren et al.: Best practices in core and data management for lake drilling projects