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RESEARCH CONFERENCES

ESF-FWF Conference in Partnership with LFUI

Mechanisms of Quaternary Climate Change: Stability of warm phases in the past and in the future

Universitätszentrum Obergurgl (Ötz Valley, near Innsbruck) • Austria
06-11 June 2009

Chair: **Carlo Barbante**, University of Venice, IT
Co-Chair: **Hubertus Fischer**, University of Bern, CH

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- **European Project for Ice Coring in Antarctica**

LIST OF ACCEPTED POSTERS

	Surname	First Name	Poster Title
1	Albani	Samuel	Mineral dust transport and deposition simulated with a climate model: comparison with polar ice cores evidence
2	Barlyaeva	Tatiana	Global temperature sensitivity to solar and volcanic forcing
3	Bentley	Michael	Mechanisms of Holocene palaeoenvironmental change in the Antarctic Peninsula region
4	Bonazza	Mattia	Stable isotope records from the new TALDICE ice core (East Antarctica)
5	De Deckker	Patrick	The Australian Holocene record both at sea and on land – not so stable after all
6	Delusina	Irina	Response of Neotropical Vegetation to Abrupt Climate Change During Post-Glacial Time Using Palynological Data from the Cariaco Basin
7	Dorado	Miriam	Climatic crises since the Last Glacial Maximum in the South-central Iberian Peninsula (Spain).
8	Gabrieli	Jacopo	PAHs over Colle Gnifetti ice cap over the last tree centuries: anthropogenic emissions and climate related

9	Gabrielli	Paolo	The widespread abrupt transition from the Holocene Thermal Maximum to the Neoglacial at ~5 kyr BP: what are the drivers and the mechanisms?
10	Gemery	Laura	Holocene Arctic Paleoceanography from Ostracode Shell Chemistry and Faunas
11	Gonzalez	Catalina	Were humid intervals in northern South America always warm in the North Atlantic?
12	Goswami	Virendra	Control of Global warming by detoxification of chemical substances & green house gases by catalytic processes
13	Grimalt	Joan	Comparison of abrupt warmings and coolings in the last three interglacials recorded in high and low latitude marine sediments
14	Hindmarsh	Richard	Thermal coupling in ice-sheets and its influence on grounding line migration and ice sheet dynamics over 10ka time-scales.
15	Ivashchenko	Nadezda	Evidence of instability in the current global warming
16	Kellerhals	Thomas	Ammonium concentration in ice cores – a new proxy for regional temperature reconstruction?
17	Kerstin	Schmidt	Analyses of firn cores of the pre-IPCS-campaign on its ionic- and dust-concentration
18	Koenig	Sebastian Jan	Impact of the Greenland Ice Sheet on Northern Hemispheric Glacial-Interglacial Cycles
19	Kulkova	Marianna	Rapid Climate Changes during Holocene and prehistoric people development in Southern Siberia
20	Kysely	Jan	Relationship between biases of daily temperature maxima and cloudiness in ensemble of climate models
21	Lamy	Frank	Postglacial changes of the Southern Westerlies and relation to latitudinal shifts of the ITCZ
22	Li	Yu	Holocene environmental change in the marginal area of the Asian monsoon: a record from Zhuye Lake, NW China
23	Mangili	Clara	Centennial to millennial scale climate oscillations under peak interglacial conditions in the Piànico record (400 ka old; Southern Alps)
24	Markovic	Slobodan	Interglacial climate transition during the last million years recorded at loess-paleosol sequences in the Vojvodina region, Serbia
25	Martín Lebreiro	Susana	Instabilities on the Portuguese margin under abrupt glacial climate changes (last 60 ky)
26	Martrat	Belen	Comparison of abrupt warmings and coolings in the last three interglacials recorded in high and low latitude marine sediments
27	Mazzola	Claudia	Preliminary High-Resolution Dust Results by Laser Sensor Abakus in Continuous Flow Analysis from Talos Dome Ice Core
28	Meckler	Anna Nele	Climate of past interglacials in the tropical West Pacific – a new speleothem record from Borneo
29	Milner	Alice	Tenaghi Philippon Revisited: A new high-resolution pollen record for the Last Interglacial Complex
30	Otto	Juliane	Separation of atmosphere-ocean-vegetation feedbacks and synergies for mid-Holocene climate
31	Rempfer	Johannes	Modelling modern and past neodymium isotopic signature of oceanic water masses
32	Ritz	Stefan	Development of the Bern3D EMIC for long-timescale paleo-simulations

33	Sayago	José Manuel	CLIMATIC PERIODICITY AND ATMOSPHERE-OCEAN CIRCULATION IN SUBTROPICAL SOUTH AMERICA DURING THE UPPER HOLOCENE
34	Schmitt	Jochen	Holocene carbon cycle dynamics: a story from the stable carbon isotopes of CO ₂ measured on ice cores
35	Smith	Robin Stuart	FAMOUS-CI, a fast Earth System GCM
36	Smulsky	Joseph J.	The new approach to the astronomical theory of the climate change
37	Sonechkin	Dmitry	Instabilities of millennial climatic variations during the MIS11 and the Holocene
38	Stroynowski	Zuzanna	A highly detailed analysis of the ocean climate at the two poles of the NAO
39	Thevenon	Florian	Saharan mineral dust and anthropogenic carbonaceous particles records from a high-altitude Alpine glacier (Colle Gnifetti, Swiss Alps)
40	Unkel	Ingmar	The Holocene climate history of Isla de los Estados (54.4°S), southeastern Tierra del Fuego
41	Valdeolmillos	Ana	A multi-proxy climatic record of OIS 9 from “Las Tablas de Daimiel” National Park (South-central Iberian Peninsula, Spain)
42	Vallelonga	Paul	High resolution record of fluxes of iron and other trace elements to Talos Dome, Antarctica, during the last glacial cycle.
43	van der Putten	Nathalie	A divergent timing of Holocene climate events in the sub-Antarctic based on palaeoecological evidence
44	Vassio	Elena	Standardized “Plant Community Scenarios” (PCSs): comparison among Pleistocene floras in central European warm phases (N-S transalpine transect)
45	Verosub	Kenneth L.	Historical Records as Archives of the Human Response to Global Climate Change
46	Winstrup	Mai	Determination of Greenland Accumulation Rates Based on Visual Stratigraphy
47	Wolff	Katrin	High resolution dust concentration and size distribution in the NGRIP ice core
48	Wolff	Eric	The zoo of interglacials
49	Yim	Wyss	Volcanic forcing on Quaternary climate change: can we learn from ‘modern’ volcanic eruptions?
50	Yin	Qiuzhen	Interglacials over the last 1 million years : forcing and modeling
51	Zerboni	Andrea	The onset of the wet Holocene in the central Sahara and its interruption at c. 8 ky BP: environmental response and global implication