

Tuesday, September 7, 2010

Session B2:

Lecture Room 9

Session B2: Foraminifera as indicators for paleoenvironmental, oceanographic and climatic changes within the Pleistocene and Holocene

Convenors: Karen-Luise Knudsen, William E.N. Austin

- 09:00 **Sev Kender, Katrine Husum, Carlos Alvarez-Zarikian, Michael A. Kaminski:** IODP Expedition 323 initial results: Bering Sea foraminiferal records of the past 4 Ma and implications for changes to deep and surface ocean palaeoecology
- 09:20 **Martin P. Crundwell, George H. Scott, Lionel Carter, Timothy Naish:** Competing polar and tropical influences on ocean climate: A Southwest Pacific perspective
- 09:40 **Peter W. Hoiles, Stephen J. Gallagher, Akihisa Kitamura:** Pleistocene To Recent Changes In The Indo Pacific Warm Pool And Its Associated Currents Using Selected Benthic Foraminiferal Species As Biogeographic Markers
- 10:00 – 10:20 **Coffee break**
- 10:20 **Evgenia Kandiano, Henning Bauch, Kirsten Fahl, Jan Helmke:** Persistent seesaw SST-patterns between the Nordic seas and the adjacent North Atlantic during pronounced interglaciations
- 10:40 **Emília Salgueiro, Lúcia De Abreu, Antje Voelker, C.N. Prabhu, Sandra Vaqueiro, Fátima Abrantes, Josette Duprat, Jean-Louis Turon:** Temperature and Productivity Gradients within the Western Iberian Upwelling System in Response to Glacial and Heinrich-event Climate Forcing
- 11:00 **Justin Parker, Eberhard Gischler:** Biodiversity and assemblage changes of foraminifera from coral reef terraces, Late Pleistocene to Holocene, South Sinai
- 11:20 **Zahra Karimi Mossadegh, Eberhard Gischler, Justin Parker, Wolfgang Oschmann:** Modelling coral reef growth and extinction during the Late Pleistocene using foraminifera as palaeoenvironmental indicators
- 11:40 **Wojciech Majewski:** Holocene foraminiferal record from Firth of Tay, viewed from across Antarctic Peninsula
- 12:00 – 13:20 **Lunch Break**
- 13:20 **Irina Polovodova, Kjell Nordberg, Helena Phillipsson:** High Resolution Foraminiferal Stratigraphy And Climatic Variations Over The Last 2500 Years: Evidence From Gullmar Fjord And The Skagerrak-Kattegat Area Of The North Sea.
- 13:40 **William E.N. Austin, Alix G. Cage:** Benthic foraminifera as palaeoenvironmental indicators of the last millennium
- 14:00 **Claudia J. Schröder-Adams, Ron Boyd:** Influence Of Sediment Transport Dynamics And Ocean Floor Morphology On Benthic Foraminifera, Offshore Fraser Island, Australia
- 14:20 **Jelena Vidović, Vlasta Čosović, Mladen Juračić:** Biotopes Patterns Based On Distribution Of Recent Benthic Foraminifera In The Eastern Adriatic Sea

14.40 **Ulrike Fallet, Isla Castaneda, Craig Grove, Jens Zinke, Stefan Schouten, Geert-Jan Brummer:** Paired 18O – Mg/Ca records from *G. ruber*, *G. trilobus* and *N. dutertrei* δ indicate a rapid recent warming of the Mozambique Channel, upstream of the Agulhas Current

15:00 – 15:20 **Coffee break**

15:20 **Margit Simon, Petra Heinz, Hartmut Schulz, Marit Solveig Seidenkrantz, Michal Kucera:** Diversity and ecology of deep-sea benthic foraminifera in the southern Baffin Bay

15:40 **Clement Poirier, Evelyne Goubert, Eric Chaumillon:** Foraminiferal record of climate and land use changes during the last centuries in Marennes-Oléron Bay (Atlantic Coast Of France)

Poster Presentations (Session B2)

Posters for this session will be presented from Sunday, September 5, to Tuesday, September 7. Numbers refer to poster board numbers

- 73 **Geise S. Anjos-Zerfass, Francisco J. Siero Sánchez, José A. Flores, Joan O. Grimalt:** Biostratigraphy and climatic oscillations in the Late Quaternary of the Guyana Basin based on planktonic foraminifera
- 74 **Jerome Bonnin, Pierre-Arnaud Desiagne, Aurélie Penaud, Frédérique Eynaud:** Reconstruction of paleoproductivity off the Moroccan margin across Termination I using benthic foraminiferal assemblages
- 75 **Natalia Bubenshchikova, Dirk Nürnberg, Ralf Tiedemann, Lester Lembke-Jene:** Intensity of the Okhotsk Sea oxygen minimum zone during the present and last interglacial periods inferred from benthic foraminifera
- 76 **Sarita Camacho da Encarnação, Tomasz Bosko, Delminda Moura, Laura Pereira:** Paleoenvironmental reconstruction of Arade Estuary (south-western Portugal) based on different Foraminifera Categories of Marine Influence
- 77 **Edmondo Camillo Jr., Felipe A. L. Toledo, Karen B. Costa, Juliana P. Quadros:** Evidences of past oceanographic changes In the Western tropical South Atlantic based on planktonic foraminifera from Pernambuco-Para
- 78 **Dorthe R. Erbs-Hansen, Karen Luise Knudsen:** Holocene palaeoenvironment in the Skagerrak, Eastern North Atlantic: a study of foraminiferal abundance, stable isotopes and Mg/Ca ratios
- 79 **Maria A. Godoi, M.A. Kaminski, R. Kilian, T. Hromic, L. Quezada:** Some insights into the Holocene palaeoenvironmental changes in the region of the western entrance of the Strait of Magellan, Chile (53°S)
- 80 **Malcolm B. Hart, Deborah Wall-Palmer, Jodie K. Fisher, Christopher W. Smart:** Recovery patterns of benthic foraminifera in environments subject to volcanoclastic sedimentation
- 81 **Bruce W Hayward, Hugh Grenfell, Ashwaq T. Sabaa, Helen Neil, Martin A. Buzas:** Recent New Zealand Deep-Water Benthic Foraminifera – A New Monograph
- 82 **Scott Ishman, Eugene Domack, Amy Leventer, Stefanie Brachfeld:** A Holocene paleoclimatic record from the Northern Antarctic Peninsula margin; Vega Drift, Antarctica
- 83 **Liza Khomenko, Evgeny Gusev, Fedor Maksimov, Snezhana Levchenko:** Benthic foraminifera from Central Arctic ocean bottom sediments

- 84 **Karen-Luise Knudsen, Jón Eiríksson, Helga Bára Bartels-Jónsdóttir:** Benthic and planktonic foraminifera used for the reconstruction of water mass changes through the last 1000 years off North Iceland
- 85 **Frauke Kubischta, KarenLuise Knudsen, Veli-Pekka Salonen, Antti E.K. Ojala:** Late Quaternary foraminiferal assemblages as a tool to reconstruct the past arctic environments of Murchisonfjorden, Nordaustlandet, Svalbard
- 86 **Tanja Kuhnt, Oliver Friedrich, Jens O. Herrle, Gerhard Schmiedl:** Relationship between pore-density within benthic foraminifera and oxygen concentration
- 87 **Wojciech Majewski, Jan Pawlowski:** Benthic foraminifera from Admiralty Bay, West Antarctica
- 88 **Yvonne Milker, Gerhard Schmiedl, Christian Betzler, Nils Andersen, Marc Theodor:** The early Holocene humid phase and its impact on shelf environments off Southwest Mallorca, western Mediterranean Sea
- 89 **Renata H. Nagai, Poliana C. Andrade, Cristiano M. Chiessi, Márcia C. Bícigo, Silvia H. M. Sousa, Michel M. Mahiques:** Salinity changes in the Southeastern Brazilian shelf during the Holocene: impact of the La Plata River discharge
- 90 **Roshni Narayan, John M. Pandolfi:** Benthic foraminifera assemblages as Holocene to Recent environmental indicators in Moreton Bay, South-East Queensland, Australia
- 91 **Yaroslav S. Ovsepyan, Ekaterina Taldenkova, Henning Bauch:** Late Saalian–Early Eemian marine environments of the northeastern White Sea region inferred from fossil foraminifers
- 92 **Ekaterina A. Ovsepyan, Elena V. Ivanova, Lars Max, Jan Riethdorf, Ralf Tiedemann, Dirk Nürnberg:** Reconstruction of bottom water ventilation and export production based on benthic foraminiferal assemblages from the Shirshov Ridge (Bering Sea) during MS1-2
- 93 **Kerstin Perner, Matthias Moros, Jerry Lloyd, Marit Solveig Seidenkrantz, Karen Luise Knudsen, Antoon Kuijkers, Jan Harff:** Late Holocene oceanographic changes reconstructed from benthic foraminifera in southern Disko Bugt, West Greenland
- 94 **Danuta Peryt:** Foraminiferal record of environmental changes preceding the Middle Miocene Badenian salinity crisis in central Paratethys
- 95 **Anna Pint, Peter Frenzel:** Occurrences of Holocene *Haplophragmoides canariensis* (D'ORBIGNY, 1839) (*Haplophragmiina*, Foraminifera) in Central Germany and its significance for the identification of athalassic sediments
- 96 **Joanna Ewa Przytarska:** Paleoenvironmental and paleoecological reconstructions of the marine condition during the last 13 750cal yr B.P. in the European Arctic (Hornsund, Spitsbergen)
- 97 **Luke Strotz, Briony Mamo, Kate Wilson, Catherine Chague-Goff, James Goff, Dale Dominey-Howes, Bruce Richmond, Mark Buckley, Samuel Etienne:** Foraminiferal signature of the September 2009 South Pacific Tsunami
- 98 **Samuel Guillermo Nuñez-Ricardo, Margarita Marchant, Raul Tapia, Bruce Hayward, Dierk Hebbeln:** Deep-sea benthic foraminifers off Northern Chile during the last 1 myr

- 99 **Samuel Guillermo Nuñez-Ricardo, Margarita Marchant, Raul Tapia, Bruce Hayward, Dierk Hebbeln:** Deep-sea benthic foraminifers off Southern Chile during the last 500.000 years
- 100 **Cristina Ventura, Antje H. L. Voelker, Francisco Fatela:** Benthic foraminifera assemblages as responses to climate variations during MIS 14 to 9 on the mid-depth Portuguese margin
- 101 **Christopher W. Smart, Claire Waelbroeck, Elisabeth Michel, Alain Mazaud:** Benthic foraminiferal abundance and stable isotope changes in the southeastern Indian Ocean during the last 20 kyr: palaeoceanographic implications
- 102 **Maria Virgínia A. Martins, A. Mackensen, J. Alveirinho Dias, E. Ferreira da Silva, D. Rey, B. Rubio, F. Rocha:** Sedimentation on the Galicia Bank Area, NW Iberian Atlantic Margin, controlled by climate change since the Late Pleistocene
- 103 **Fabiana K. Almeida, Renata M. Mello, Francisco H. Oliveira Lima, Claudia G. Vilela, Alex C. Bastos:** Biofacies of benthic foraminifera and chemostratigraphic: an integrated study in Baía de Vitória, Southeastern Brazil.

