The Abdus Salam International Centre for Theoretical Physics

Conference on Milankovitch cycles over the past 5 million years

Organizer(s): G. Philander, A. Bracco, H. Achyuthan and F. Kucharski
Trieste - Italy, 22 - 24 March 2007

Final programme

THURSDAY, 22 MARCH 2007 (Room:Adriatico Guest House Giambiagi Lecture Hall)

22 March 2007

08:30 - 09:30 (Room: Adriatico Guest House (Lower Level 1))
--- REGISTRATION / ADMINISTRATIVE FORMALITIES ---

09:30 - 09:45 **G. PHILANDER** / *Princeton University, NJ, U.S.A.*
INTRODUCTION

SESSION 1 - HIGH LATITUDE VARIATIONS

22 March 2007

09:45 - 10:30 **C. WUNSCH** / *MIT, Cambridge, U.S.A.*
Global Ice Volume

10:30 - 11:00 (Room: Adriatico Guest House (Lower Level 1))
--- COFFEE BREAK ---

11:00 - 11:40 **B. STENNI** / *University of Trieste, Italy*
The Antarctic Cores

11:40 - 12:25 **G. HAUG** / *University of Potsdam, Germany*
Polar Oceanic Stratification

12:25 - 14:00 --- LUNCH BREAK ---

SESSION 2 - TRENDS AND CYCLES IN THE EQUATORIAL PACIFIC

22 March 2007

14:00 - 14:45 **Y. ROSENTHAL** / *Rutgers University, New Brunswick, U.S.A.*
Observations

14:45 - 15:30 **A. FEDOROV** / *Yale University, New Haven, U.S.A.*
Theory

15:30 - 16:00 --- COFFEE BREAK ---

16:00 - 16:30 **M. BARREIRO** / *University de la Republica, Montevideo, Uruguay*
Role of tropics in climate variability and change

16:30 - 17:00 **T. TOZUKA** / *University of Tokyo, Japan*
Permanent El Nino and IOD in Pliocene

17:00 - 17:30 **A. CHERCHI** / *INGV, Bologna, Italy*
Impact of increased CO2 levels in tropical mean climate and its variability

18:30 - 20:00 --- RECEPTION - Adriatico Guest House (terrace - weather permitting) ---

FRIDAY, 23 MARCH 2007 (Room:Adriatico Guest House Giambiagi Lecture Hall)

SESSION 3 - OTHER REGIONS

23 March 2007

09:00 - 09:40 **A. RAVELO** / *University of California, Santa Cruz, U.S.A.*
The Californian Coast

09:40 - 10:10 **S. SOSDIAN** / *Rutgers University, New Brunswick, U.S.A.*
The Deep Ocean

10:05 - 10:30 **P. B. deMENOCAL** / *Lamont-Doherty Earth Observatory at Columbia University, Palisades, U.S.A.*
Pliocene-Pleistocene Shifts in Tropical Atlantic Ocean-Atmosphere Coupling (talk presented by G. Philander)

10:30 - 10:50 --- COFFEE BREAK ---

10:50 - 11:20 **D. ROBERTS** / *Council of Geoscience, Bellville, South Africa*
Southern Africa

11:20 - 11:40 **N. IVASHCHENKO** / *Hydrometeorological Centre for Russia, Moscow)*
Panama Closure

11:40 - 12:00 **R.K. GANJOO** / *RCFOR-HG, Jammu, India*
Indian Monsoons

12:00 - 12:30 **A. BRACCO** / *Georgia Institute of Technology, Atlanta, U.S.A.*
ENSO-Monsoon interactions under different ENSO states

12:30 - 14:00 --- LUNCH BREAK ---

SESSION 4 - SAPROPELS

23 March 2007

14:00 - 14:45 **A. NEGRI** / *Universita*
Sapropels and their meaning

14:45 - 15:30 **S. MASINA** / *INGV-CMCC, Bologna, Italy*
Sapropel S1 deposition: modelling perspectives

15:30 - 16:00 --- COFFEE BREAK ---

SESSION 5 - LAST GLACIAL MAXIMUM TO THE PRESENT

23 March 2007

16:00 - 16:30 **G. PHILANDER** / *Princeton University, NJ, U.S.A.*
Modelling Perspectives

16:30 - 17:00 **S.M. WOODBORNE** / *CSIR, Pretoria, South Africa*
The Past 50,000 Years

17:00 - 17:30 **H. ACHYUTHAN** / *Anna University, Chennai, India*
Application of radiacorbon dates for Milankovitch climate change

17:30 - 17:50 **D.M. SONECHKIN** / *P.P. Shirshav Institute of Oceanology, Moscow, Russia*
Pleistocene Climate Variations

17:50 - 18:10 **A. PROVENZALE** / *CNR-ISAC, Torino, Italy*
Soil-vegetation-climate interaction

SATURDAY, 24 MARCH 2007 (Room:Adriatico Guest House Giambiagi Lecture Hall) (**Saturday**)

SESSION 6: to be confirmed (**Saturday**)

24 March 2007

09:00 - 12:00 **Chairs: F. KUCHARSKI, H. ACHYUTHAN, A. BRACCO, G. PHILANDER**
Presentations Discussions, summary and synthesis of the results, led by a designated panel