The Abdus Salam International Centre for Theoretical Physics

Targeted Training Activity: Seasonal Predictability in Tropical Regions to be followed by Workshop on Multi-scale Predictions of the Asian and African Summer Monsoon

Organizer(s): TTA Directors: J. Shukla, I-S Kang. Local Organizer: J.H. Yoo. Workshop Director: F. Molteni. Local Organizer: A. Tompkins
Trieste - Italy, 04 - 15 August 2008

Final programme

Monday, August 4 (Room:Adriatico Guest House - Giambiagi Lecture Hall Area (Lower Level 1))

4 August 2008

08:30 - 09:00	--- REGISTRATION --- (After Registration: all Administrative Formalities (daily living allowances/travel reimbursements, bank transactions, etc.) are at the E. Fermi Bldg. (just above the ICTP Leonardo Bldg.) ((see General Info. Sheet for Timings))
09:00 - 09:15	**J. Shukla** **Opening**
09:15 - 10:15	**M. Cane** **Introduction to ENSO**
10:15 - 10:40	(Room: Adriatico Guest House (Terrace)) --- Coffee Break ---
10:40 - 11:45	**E. Sarachik/M. Cane** **Introduction to ENSO part I**
11:45 - 14:00	(Room: Adriatico Guest House Cafeteria) --- Lunch ---
14:00 - 17:00	(Room: Adriatico Guest House Informatics Lab.) **Lab session**

CB ? 15:15-15:45 (Adriatico Terrace) 25'

Tuesday, August 5 (Room:Adriatico Guest House Giambiagi Lecture Hall)

5 August 2008

09:00 - 10:15	**E. Sarachik/M. Cane** **Introduction to ENSO part II**
10:15 - 10:40	(Room: Adriatico Guest House (Terrace)) --- CB ---
10:40 - 11:45	**E. Sarachik/M. Cane** **Introduction to ENSO part III**
11:45 - 12:30	**I.-S. Kang** **Current Status of Seasonal prediction**
12:30 - 14:00	(Room: Adriatico Guest House Cafeteria) --- Lunch ---
14:00 - 17:00	(Room: Adriatico Guest House Informatics Lab.) **Lab session** CB (15:15) (Adriatico Lower Level 1 (near Lab.))

Wednesday, August 6 (Room:Adriatico Guest House - Giambiagi Lecture Hall Area (Lower Level 1))

6 August 2008

09:30 - 10:45	**E. Sarachik** **Obstacles to Seamless prediction**
10:45 - 11:10	(Room: Adriatico Guest House (Terrace)) --- CB ---
11:10 - 12:15	**J. Shukla** **Revolution in Climate Prediction is both necessary and possible**
12:15 - 13:45	--- Lunch ---
13:45 - 14:30	**I.-S. Kang** **Issues in Seasonal prediction**
14:30 - 15:30	**B.N. Goswami** **Overview of Indian Monsoon: Mean Climate and Varability**
15:30 - 17:30	(Room: Adriatico Guest House Informatics Lab.) **Lab Session** CB (15:30 - 15:50) (Adriatico Lower Level 1 (near Lab.)) 20'

Thursday, August 7 (Room:Adriatico Guest House - Giambiagi Lecture Hall Area (Lower Level 1))

7 August 2008

09:00 - 10:15	**B. N. Goswami** **Predictability of Monsoon Intraseasonal variations**
10:15 - 10:40	(Room: Adriatico Guest House (Terrace)) --- CB --- GROUP PHOTO (during break) (Adriatico Terrace)
10:40 - 11:45	**M. Cane** **ENSO-Monsoon relationship**
11:45 - 12:30	**E. K. Jin** **ENSO-Monsoon relationship**
12:30 - 14:00	(Room: Adriatico Guest House Cafeteria) --- Lunch ---
14:00 - 17:00	(Room: Adriatico Guest House Informatics Lab.) **Lab session** CB ? 15:15-15:45 (Adriatico Lower Level 1 (near Lab)) 20'

Friday, August 8 (Room:Adriatico Guest House - Giambiagi Lecture Hall Area (Lower Level 1))

8 August 2008

09:00 - 10:15	**S. Trzaska** **Variability and Predictability of African Monsoon**
10:15 - 10:40	(Room: Adriatico Guest House (Terrace)) --- CB ---
10:40 - 12:00	**Panel discussion**
12:00 - 12:30	--- Summary ---
12:30 - 14:00	(Room: Adriatico Guest House Cafeteria) --- Lunch ---
14:00 - 17:00	(Room: Adriatico Guest House Informatics Lab.) **Lab session** CB ? 15:15-15:45 (Adriatico Lower Level 1 (near Lab)) 20'

Monday, August 11
Workshop on 'Multi-scale predictions of the Asian and African Summer Monsoon' (Room:Adriatico Guest House Giambiagi Lecture Hall)

11 August 2008

09:30 - 09:45	(Room: Adriatico Guest House - Giambiagi Lecture Hall Area (Lower Level 1)) **F. Molteni** **Welcome/introduction**
09:45 - 10:35	(Room: Adriatico Guest House - Giambiagi Lecture Hall Area (Lower Level 1)) **N.P.Klingaman** **Monsoon ISV and Indian Ocean mixed layer**

10:35 - 11:00 (Room: Adriatico Guest House - Giambiagi Lecture Hall Area (Lower Level 1))
--- Coffee Break ---

11:00 - 11:50 (Room: Adriatico Guest House - Giambiagi Lecture Hall Area (Lower Level 1))
S. Trzaska
W African monsoon / MJO interactions

11:50 - 12:40 (Room: Adriatico Guest House - Giambiagi Lecture Hall Area (Lower Level 1))
A. Tompkins/and L. Feudale
Rainfall predictability in W. African Monsoon

12:40 - 14:00 (Room: Adriatico Guest House Cafeteria)
--- Lunch ---

14:00 - 15:20 (Room: Adriatico Guest House - Giambiagi Lecture Hall Area (Lower Level 1))
Poster session - proposals for discussion

South Asian Summer Monsoon Precipitation Variability in Global Coupled Ocean-Atmosphere M odels (DEMETER) (B. Preethi, R. H. Kripalani & K. Krishna Kumar - IITM, Pune) 20'

Prediction of Summer Monsoon Rainfall over Pakistan (Siraj ul Islam, Muhammad Adnan, Javeria Ashraf, M. Adnan Abid, M. Munir Sheikh - GCISC, Islamabad) 20'

15:20 - 15:45 (Room: Adriatico Guest House - Giambiagi Lecture Hall Area (Lower Level 1))
--- Coffee Break ---

15:45 - 17:00 (Room: Adriatico Guest House - Giambiagi Lecture Hall Area (Lower Level 1))
Break up: discussion / student working groups

Tuesday, August 12 (Room:Adriatico Guest House Giambiagi Lecture Hall)

12 August 2008

09:30 - 10:20 **D. Waliser**
Intraseasonal variability: MJO Working Group progress and YOTC plans

10:20 - 10:45 (Room: Adriatico Guest House Cafeteria)
--- Coffee ---

10:45 - 11:35 **M.C. Wheeler**
Description of an MJO forecast metric

11:35 - 12:25 **J. Gottschalck**
Status and plans for the US CLIVAR MJO WG forecast metric activity at NCEP

12:25 - 14:00 (Room: Adriatico Guest House Cafeteria)
--- Lunch ---

14:00 - 14:50 **Hai Lin** / *Environment canada*
Further MJO talks

14:50 - 15:15 (Room: Adriatico Guest House - Giambiagi Lecture Hall Area (Lower Level 1))
--- Coffee ---

15:15 - 16:05 **Maria Flatau** / *Naval research Lab., Monterey*
Further MJO talks

Wednesday, August 13 (Room:Adriatico Guest House Giambiagi Lecture Hall)

13 August 2008

09:30 - 10:20	**F. Vitart** **MJO and monsoon simulations in the ECMWF VAREPS-monthly system**
10:20 - 10:45	(Room: Adriatico Guest House (Terrace)) --- Coffee Break ---
10:45 - 11:35	**In-sik Kang** **Combined and calibrated predictions of intraseasonal variations with dynamical and statistical methods**
11:35 - 12:25	**T. Hopson** **Forecasting severe floods of the Brahmaputra and Ganges rivers**
12:25 - 14:00	(Room: Adriatico Guest House Cafeteria) --- Lunch ---
14:00 - 15:20	(Room: Adriatico Guest House - Giambiagi Lecture Hall Area (Lower Level 1)) **Poster session - proposals for discussion**
15:20 - 15:45	(Room: Adriatico Guest House - Giambiagi Lecture Hall Area (Lower Level 1)) --- Coffee Break ---
15:45 - 17:00	**Break up : discussion / student working groups**
18:30 - 18:30	(Room: Adriatico Guest House Cafeteria) --- Reception ---

Thursday, August 14 (Room:Adriatico Guest House Giambiagi Lecture Hall)

14 August 2008

09:30 - 10:20	**J. Slingo** **Monsoon ISV: modelling issues and influence of global warming**
10:20 - 10:45	(Room: Adriatico Guest House (Terrace)) --- Coffee ---
10:45 - 11:35	**F. Molteni** **ISV of Indian summer monsoon rainfall in the ECMWF Seasonal Fc. System 3**
11:35 - 12:25	**A.M. Ravindran** **The composite structure of synoptic systems and it's connection with active/break phases of monsoon**
12:25 - 14:00	(Room: Adriatico Guest House Cafeteria) --- Lunch ---
14:00 - 15:20	(Room: Adriatico Guest House - Giambiagi Lecture Hall Area (Lower Level 1)) **Poster Session - proposals for discussion**
15:20 - 15:45	(Room: Adriatico Guest House - Giambiagi Lecture Hall Area (Lower Level 1)) --- Coffee Break ---
15:45 - 17:00	**Break up : discussion / student working groups**

Friday, August 15 (Room:Adriatico Guest House Giambiagi Lecture Hall)

15 August 2008

09:30 - 10:30	**Plenary: proposals for co-ordinated actions**
10:30 - 11:00	(Room: Adriatico Guest House - Giambiagi Lecture Hall Area (Lower Level 1)) --- Coffee Break ---
11:00 - 12:30	(Room: Adriatico Guest House - Giambiagi Lecture Hall Area (Lower Level 1)) **TTA student presentations**
12:30 - 12:30	**Close / lunch**