



Workshop on

Tropical Stratosphere-Troposphere: Implications on Indian Monsoon and Climate

31 January- 01 February 2011

Indian Institute of Tropical Meteorology, Pune 411008, India

AGENDA

Monday, 31st January, 2011

Registration and Inauguration

Venue: Varahmihira Hall

- 0830-0930 Registration
- 0930-0940 Invocation and Lighting of Lamp
- 0940-0945 Welcome Address by Prof. B.N. Goswami, Director, IITM
- 0945-1000 Inaugural Address by Chief Guest Prof. R.K. Shevgaonkar, Vice Chancellor, University of Pune, Pune
- 1000-1055 Keynote Address by Prof. Ted Shepherd, Co-Chair, SPARC-SSG
- 1055-1100 Vote of Thanks by Prof. P.C.S. Devara, Member, SPARC-SSG
- 1100-1130 Coffee/Tea

Scientific Sessions

Venue: Aryabhata Hall

Session I: Monsoon, Climate, Model Predictability and Data Assimilation

(Chairman: Prof. R.R. Kelkar)

- 1130-1200 World Climate Research Program; Evolving the Science Partnership for Sustain Support to Emerging Climate Services *(Dr. Vladimir Ryabinin)*
- 1200-1230 Monsoon, Climate, Model Predictability and Data Assimilation *(Prof. D. R. Sikka)*
- 1230-1300 Monsoon Predictability *(Dr. M. Rajeevan)*
- 1300-1330 The Internal Feedbacks during Indian Monsoon *(Dr. R. Krishnan)*
- 1330-1430 Lunch (Venue: IITM Guest House)

Session II: Stratosphere-Troposphere Dynamical Coupling and Structures

(Chairman: Prof. D.R. Sikka)

- 1430-1500 Mechanism of Stratosphere-Troposphere Coupling in the Sub-Tropics *(Prof. Ted Shepherd)*

- 1500-1530 Tropical Tropopause and its Role in the Stratosphere-Troposphere Coupling
(*Prof. B.V. Krishna Murthy*)
- 1530-1600 Shrinking of Tropical Tropopause Layer during Disturbed Conditions Over Bay of Bengal with JASMINE Measurements (*Dr. (Mrs.) Kusma G. Rao*)
- 1600-1630 Coffee/Tea
- 1630-1800 Poster Viewing (Venue: Opposite to Varahmihira Hall)

Tuesday, 1st February, 2011

Session III: Tropical Tropopause Processes and Stratosphere-Troposphere Exchange
(*Chairman: Prof. P.V. Joseph*)

- 0900-0930 The Impact of Geo-Engineering on the Tropical Tropopause Layer
(*Prof. T. Peter*)
- 0930-1000 Role of Asian Summer Monsoon on Stratospheric-Tropospheric Coupling over Tropics (*Prof. K. Mohankumar*)
- 1000-1030 Tropical Tropopause over the Indian Longitudes Sector and its Influence on the Distribution of UTLS Particulates (*Dr. K. Parmesawaran*)
- 1030-1100 Role of Tropical Easterly Jet in STE Processes and its Implication to Indian Summer Monsoon (*Dr. M. Venkat Ratnam*)
- 1100-1130 Coffee/Tea and Poster Viewing (Venue: Opposite to Varahmihira Hall)
- 1130-1200 Combining Measurements and Models in the Detection and Attribution of Stratospheric Change (*Dr. G. Bodeker*)
- 1200-1230 A Perspective on the Coupling Processes in Terrestrial Atmospheric Forcing
(*Prof. K. Niranjana*)
- 1230-1300 Relationship of Solar Variability and Dynamically Controlled Seasonal and Annual Variation of Temperature in the Tropopause Region on Long-Term Basis over India
(*Dr. S. Dhaka*)
- 1300-1400 Lunch (Venue: IITM Guest House)

Session IV: Cross-Cutting Issues
(*Chairman: Prof. B.V. Krishna Murthy*)

- 1400-1430 What would have Happened to the Ozone Layer if Chlorofluorocarbons (CFCs) had not been Regulated? (*Dr. P.L. Newman*)
- 1430-1500 Transport Effects on Distribution of Ozone in the Troposphere over the Marine Regions Surrounding India (*Prof. Shyam Lal*)
- 1500-1530 The Ozone Hole over Antarctica and its Recovery Status (*Dr. S.L. Jain*)
- 1530-1600 Can Cosmic Rays Modulate Clouds? Some Possible Mechanisms and Issues
(*Prof. P. Pradeep Kumar*)
- 1600-1630 Volcanic Aerosols and Earth's Climate (*Prof. S. Ramachandran*)
- 1630-1700 Coffee/Tea and Poster Viewing (Venue: Opposite to Varahmihira Hall)

- 1700-1715 SCIAMACHY: Some Highlights for SPARC (*Prof. John P. Burrows*)
- 1715-1800 **Panel Discussion**
(*Chairman: Prof. D.R. Sikka*)
Prof. R.R. Kelkar, Prof. B.V. Krishna Murthy, Prof. B.N. Goswami,
Prof. P.V. Joseph, Prof. Ted Shepherd, Prof. Tom Peter
- 1800 End of Session
- 1830 Cultural Programme: (*Bharatnatyam Recital and Indian Folk Dance by Internationally Acclaimed Guru Uma Tilak and Group, Venue: IUCCA Auditorium*)
- 2000 Ice Breaking Gala Dinner (Venue: *Banquet, Foodlink Court, Pune at "SKY LOUNGE"*)