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: Aryabhatta 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)
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. Niranjan)

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")*