

MST11

ELEVENTH INTERNATIONAL workshop

ON TECHNICAL & SCIENTIFIC ASPECTS OF MST RADAR

December 11-15, 2006

The international workshop on MST radar, held about every 2-3 years, is a major event that gathers together experts from all over the world, engaged in research and development of radar techniques to study the mesosphere, stratosphere, troposphere (MST) and the ionosphere. It also offers excellent opportunities to young scientists, research students and new entrants to the field for close interaction with the experts on the technical and scientific aspects of MST radar techniques.

The International Steering Committee

J.L. Chau (Peru)
K.S. Gage (USA)
W.K. Hocking (Canada)
E. Kudeki (USA)
D. Narayana Rao (India)
I. Reid (Australia)
J. Röttger (Germany)
T. Tsuda (Japan)

National Atmospheric Research Laboratory

(Formerly known as National MST Radar Facility)

Gadanki / Tirupati, India

Workshop Sessions

- Session 1.1 Radar Scattering processes in the atmosphere
Main Session Organizers(MSOs): A.Muschinski and P.Chilson
- Session 1.2 Ionospheric processes
MSOs: J.Chau and E.Kudeki
- Session 1.3 Instrumentation, Technical and signal processing
MSOs: J.Roettger and Toru Sato
- 1.3.1 Instrumentation/Technical
1.3.2 Signal Processing(Hardware and Software, interferometry, Spectra etc.)
- Session 1.4 Meteorology with Atmospheric Radars
MSOs: G. Nastrom and D. Narayana Rao
- 1.4.1 Radar Network
1.4.2 Precipitation, Humidity, Water Vapour Mixing
1.4.3 Boundary Layer Meteorology
1.4.4 Latitudinal characteristics and Differences (Tropical / Mid Latitude / Polar)
1.4.5 Wave generation by meteorological process (fronts, mountain flow)
1.4.6 General Meteorology
- Session 1.5 Mean winds, Radar temperatures, waves, tides (including planetary waves), all altitudes (MST)
MSOs: W.K.Hocking and W.Singer
- 1.5.1 Mean winds & Temperature
1.5.2 Latitudinal differences and variations
(emphasis on strato-meso, to avoid conflict with 1.4.4)
(tropical/midlatitude/polar, incl. IPY-related)
1.5.3 Waves (Gravity waves and planetary waves) and tides
- Session 1.6 Atmospheric Forcing and Mixing (all levels)
MSOs: T. Tsuda and S.Gurubaran
- 1.6.1 Momentum fluxes
1.6.2 Coupling processes
1.6.3 Turbulent mixing - large and small scale, experiment and theoretical progress
1.6.4 Stratosphere- Troposphere exchange processes

IMPORTANT DATES

Abstract Submission 31 July 2006

Acceptance Intimation 30 Sep 2006 (Tentative)

REGISTRATION FEE

International attendees from developed countries	US\$300
International students from developed countries	US\$100
Attendees from India and developing countries	Rs.2000
Students from India and developing countries	Rs.1500

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