

Report on National Seminar SDWR -2009

A National Seminar on “Utilization of Doppler Weather Radar products in Weather Nowcasting, Aviation Safety and Numerical Weather Prediction” (SDWR -2009) was organized by Regional Meteorological Centre Kolkata at the Conference Hall of National Library, Alipore Kolkata during 20-21 March 2009. Dr. Shailesh Nayak, Hon. Secretary , MoES, the chief guest, inaugurated the seminar. The chief guest also released a SOUVENIR containing abstracts of the seminar. AVM (Dr.) Ajit Tyagi, Director General of Meteorology presided over the inaugural function. Shri M.L. Meena, Principal Secretary, Deptt. Of Disaster Management, Govt. of West Bengal and Shri P. K. Singhal, Regional Executive Director, AAI Kolkata was invited as guests of honour.



About 75 Scientists from IMD, IAF, IITM Pune, DRDO, ISRO, NESAC, IIT New Delhi and Kharagpur, CDAC Pune & Air India, participated in the seminar that include Shri S. Raghavan, DDGM (Retd.) IMD, AVM Shri G.P. Sharma, IAF, HQ, New Delhi Shri G. Viswanathan Director, RDA, (Retd.) ISRO, Bangalore, Prof. U.C. Mohanty, IIT Delhi, , Prof. Sutapa Chaudhary, Kolkata University, Prof. U.K. De, Jadavpur University and Prof. P.C.Pnadey, IIT Kharagpur,

Following invited talks were delivered in the seminar:

1. Future of Radar Meteorology in India by Shri S. Raghavan, DDGM (Retd.)
2. Doppler Weather Radar applications in nowcasting - by Shri S.K. Banerjee, ADGM(H&I)
3. Meso-scale modeling for simulation of intense convective activity and extreme weather events over India – by Prof. U.C. Mohanty, IIT Delhi
4. Utilisation of Doppler Weather Radar products in aviation safety – by AVM G.P. Sharma, Head, Meteorology Directorate, Air HQ, New Delhi



Twenty scientific research papers on varied subjects like nowcasting, aviation safety, impact of Doppler Weather Radar data assimilation in NWP models on cyclone tracking and weather forecasting were presented in the seminar. There were three foreign participations who delivered lectures on upcoming technologies and research in the field of Doppler Weather Radar and their products forecasting use.



All the participants in the seminar felt that such seminars be held annually so that scientists engaged in the field of utilization of Doppler Weather Radar data come at one such platform share their experiences and expertise. Encouraged by overwhelming response of the participants, AVM (Dr.) Ajit Tyagi, DGM agreed with idea and announced that second National Seminar will be held at Chennai.

DGM presided over the concluding session of the seminar and based on discussions held following groups were constituted for further developmental related issues in the field utilisations DWR data:

GROUP 1

Aviation Safety

AVM G.P. Sharma, IAF	Chairman
Dr. A.B. Majumdar, IMD	Member
Capt. Jaideep Banerjee, Air India	Member
Sh. M.K. Bhatnagar, IMD	Member
Sh. Vivek Sinha, IMD	Member Secretary

GROUP 2

Nowcasting

Sh. S.K. Banerjee, IMD	Chairman
Dr. R. Suresh, IMD	Member
Wg. Cdr. N. Ravi, IAF	Member
Scientist from IIT Delhi	Member
Sh.D.Pradhan, IMD	Member Secretary

GROUP 3

Data Assimilation

Prof. U.C. Mohanty, IIT Delhi	Chairman
Prof. A.Chandrasekhar, IIT Kharagpur	Member
Wg. Cdr. P.K. Arora, IAF	Member
Scientist / Member from NARL ISRO	Member
Dr. S.K. Roy Bhowmik, IMD	Member Secretary

GROUP 4

Radar Calibration & Validation of Algorithms

Dr. S. Raghavan, Retd. IMD	Chairman
Prof. G.S. Bhat, IISC Bangalore	Member
Sh. Ranga Rao, ISRO	Member
Member from IAF	Member
Sh. S.B. Thampi, IMD	Member Secretary

GROUP 5

Radar Technology

Dr. G. Viswanathan	Chairman
Dr. A.N Jha, ISRO	Member
Dr. K.P. Ray, SAMEER	Member
Member from IAF	Member
Dr. Anita Daniel, ISRO	Member
Sh.S.K. Kundu, IMD	Member Secretary

GROUP 6

Promotion of Radar Meteorology in Kolkata Region

DDGM, RMC Kolkata	Chairman
Prof. U.K. Dey, Jadavpur University	Member
Prof. Sutapa Chaudhury, Cal. Univ.	Member
Prof. P.C. Pandey, IIT Kharagpur	Member
Wg. Cdr. Kohli, IAF Kalaikunda	Member
Representative of ITR Balasore	Member
Sh. D. Pradhan, IMD	Member Secretary