



RADMAP 2026

Emerging Radar Meteorology Frontiers in Observations and Prediction

Training Workshop and Conference

SAMA-ACARR-CUSAT-NCMRWF

March 16-20, 2026 AT CUSAT, COCHIN

SCHEDULE OF THE CONFERENCE

Day 5 - Friday 20, 2026

Time	Speaker	Topic
09:30 - 11:00 AM		
Chair:	AVM (Rtd) Prof. (Dr.) Ajit Tyagi	
Keynote (35 Min)	Prof. A. Jayaraman	Applications of Remotesensing for Weather and Climate Sciences
Lead (20 Min)	Dr. Aditi Singh	Fog Forecasting over Indo-Gangetic Plains of India
Invited (20 Min)	Anurose T J	Utilization of Weather RADAR Observations in High-Resolution Urban-Scale Composition Forecasting
Contributed (15 Min)	Joydeb Saha	Impact of Doppler Weather Radar Reflectivity and Radial Velocity Assimilation on Lightning and Rainfall
11:00 - 11:30	Tea Break and Poster Session	
11:30 - 01:00PM		
Chair	Prof. (Dr) K. Mohankumar	
Invited (15 Min)	Devajyoti Dutta	Doppler Weather Radar Data Assimilation in Mithuna-R DA: An Overview
Invited (15 Min)	Neha Rajput	Improved Doppler Radar Velocity Dealiasing and Its Impact on Convective-Scale Monsoon Forecasts over
Invited (15 Min)	Jayanti Pal	Integrated RADAR, Satellite and Gauge: High resolution rainfall product @1 km
Contributed (15 Min)	Silpamol D S	Sub-seasonal controls of Precipitation features during the Indian Summer Monsoon
Contributed (15 Min)	Gayathri Balachandran	Exploring SAR signatures of boundary layer variability over coastal and inland cities
01:00 - 02:00	Lunch and Poster Session	
02:00 - 03:30		
Chairs:	Prof. (Dr.) K. Mohanan	
Invited (20 min)	Jibi Thanikkal	Influence of Boundary Layer Dynamics and Meteorological Conditions on Air Pollution Episodes
Contributed (15 min)	Nabarun Poddar	Characteristics of vertical air motion in the vicinity of monsoon jet streams using direct measureme
Contributed (15 min)	Alan Anil	Implementation of NOAA Satellite Image Reception System
Contributed (15 min)	Priya Vijayan	Artificial Intelligence Approaches to Understanding Aerosol Impacts on the Arabian Gulf Atmosphere