



RADMAP 2026

Emerging Radar Meteorology Frontiers in Observations and Prediction

Training Workshop and Conference

SAMA-ACARR-CUSAT-NCMRWF-MoES

March 16-20, 2026 AT CUSAT, COCHIN

TRAINING WORKSHOP SCHEDULE

Day 1 – Monday, March 16, 2026

Time	Speaker	Topic
09:00 – 09:30 AM	Arrival of Participants	
09:30 – 10:00 AM	Registration	
10:00 – 11:00 AM	Special Lecture I Dr. V K Anandan CTO & Senior Vice President Astra Microwave Products Pvt. Ltd.	Evolution and Advancements in Doppler Radars
11:00 – 11:30 AM	Tea Break	
11:30 AM – 01:00 PM	Special Lecture I Cont. Dr. V K Anandan	Evolution and Advancements in Doppler Radars (Cont.)
01:00 – 02:00 PM	Lunch Break	
02:00 – 03:30 PM	Technical Session I Dr. K. Kishore Kumar , Scientist SG & Head, Atmospheric Dynamics Group, SPL, VSSC.	Scattering Mechanisms and Polarimetric Measurements of Doppler Weather Radar Radars for Probing the Middle Atmosphere
03:30 – 04:00 PM	Tea Break	
04:00 – 05:30 PM	Technical Session II Dr. Siddarth Shankar Das , Scientist SG, SPL, VSSC (online)	Principles, Applications and novelty of phased array radars
05:00 – 06:30 PM	Inaugural Ceremony of RADMAP 2026 Workshop	
07:00 – 08:00 PM	Dinner	



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Day 2 – Tuesday, March 17, 2026

Time	Speaker	Topic
09:30 – 10:30 AM	Technical Session III Prof. P. Mohanan Coordinator, ACARR	Electromagnetism and Antenna Design for Radar
10:30 – 11:00 AM	Tea Break	
11:00 AM – 01:00 PM	Technical Session IV Dr. Rajasekhar M, Scientist-SG / Chief Meteorologist, Satish Dhawan Space Centre, ISRO	Application of DWR and wind profilers for space launch operations
01:00 – 02:00 PM	Lunch Break	
02:00 – 03:30 PM	Technical Session V Dr. B. A. M. Kannan, Scientist-F, RMC Chennai, India Meteorological Department	Doppler Weather Radars (different bands), Basic Z-R relationship, Base products
03:00 – 03:30 PM	Tea Break	
03:30 – 04:30 PM	Special Lecture II Dr. Amarjyothi K., Scientist-E, NCMRWF (Online)	Quality control and processing of DWR Data for assimilation in NWP models
04:30 – 05:00 PM	Special Lecture III Prof. K. Mohankumar Founder Director ACARR, CUSAT	ST Radar Facility at Cochin
05:00 – 06:30 PM	Hands-on Session I	Visit to ST Radar at CUSAT
07:30 – 08:30 PM	Dinner	



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Day 3 – Wednesday, March 18, 2026

Time	Speaker	Topic
09:30 – 10:30 AM	Special Lecture IV Dr. Gajendra Kumar Scientist-G, IMD	DWR products and applications
10:30 – 11:00 AM	Tea Break	
11:00 – 12:30 PM	Technical Session VI Dr. T. N. Rao Scientist-G and Head, Clouds and Convective Systems Group, NARL	Introduction of Dual Pol DWR, Hydrometeor classification and Space based radars for precipitation studies.
12:30 – 02:00 PM	Lunch Break	
02:00 – 03:30 PM	Technical Session VII Dr. Ashish Routray Scientist F, NCMRWF	DWR Data Assimilation in NWP Models: WRF & NCU
03:30 – 03:45	Tea Break	
03:45 – 05:00 PM	Technical Session VIII Dr. G. Pandithurai Scientist G (Rt.) IITM and Emeritus Professor, IIT Chennai	Cloud and precipitation Radars
05:30 – 06:30 PM	Special Lecture V Dr. Soma Sen Roy Scientist-G, IMD (Online)	DWR Applications in Nowcasting of Thunderstorms and Extreme Weather Events
07:30 – 08:30 PM	Dinner	



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Day 4 – Thursday, March 19, 2026

Time	Speaker	Topic
09:30 – 11:30 AM	Visit to IMD DWR	
11:30 AM – 12:30 PM	Technical Session IX Mr. Vigin Lal Scientist D & Head, DWR Kochi	Basic DWR products and Data Visualizations
12:30 – 01:15 PM	Travel from DWR Kochi to ACARR	
01:30 – 02:30 PM	Lunch Break	
02:30 – 03:30 PM	Workshop Evaluation Test	
03:30 – 04:00 PM	Tea Break	
04:00 – 05:30 PM	Bridging the Gap: Valedictory Function of RADMAP Workshop & Inaugural Function of Conference	
05:30 – 07:00 PM	WMO Day Lecture	Observing Today, Protecting Tomorrow
07:00 – 08:00 PM	Dinner	

Day 5 – Friday, March 20, 2026

CONFERENCE

20th March 2026