

Time	S-01	Radar Hardware, Software and AI/ML Applications	
09:00-11:00	Session Chairs	Dr. G. Pandithurai ,Indian Institute of Tropical Meteorology (IITM ) and Prof. Abhirup DattaIndian Institute of Technology Indore (IIT Indore)	
	Paper ID	Paper Title	Authors
9:00-9:30	Invited Talk #1	Recent advances in the Global Satellite Mapping of Precipitation (GSMaP)	Prof. Tomoo Ushio, Osaka University
9:30-9:40	91	Design and Development of Phased Array Precipitation Radar for future satellite missions	Durga Rao M (NARL)
9:40-9:50	25	SSPA-X and Klystron Weather radar Operational and Observational performance - Comparison overview through case studies	Bagavath Singh Arul Malar Kannan (IMD); OP Sreejith (IMD); N Meenatchi Nathan (IMD); MS Madhusoodanan (AIGWES, Amity University); Bibraj R (IMD); KC Saikrishnan (IMD)
9:50-10.00	43	Performance assessment of C-band Dual-polarization radar observations with Operational S-band radar and GPM	Yogesh Kisan Kolte (IITM ); Subrata M Das (IITM); Murali U V Krishna (IITM)
10:00-10:10	12	Deployment and performance analysis of an inhouse designed high voltage pulse capacitor bank for S-band dual polarized Doppler weather radar	Udaya Kumar Sahoo (IITM); Bhaskar Chatterjee (ISTRAC); Nitig Singh (IITI); Shyam Sundar Kundu (NESAC); Surya Prakash Singh (IIIT, BBS)
10:10-10:20	112	System design of a pulsed LFM based Precipitation radar	Rakesh Kumar (SAC); Prantik Chakraborty (SAC); Pankaj Kanti Nath (SAC); Ch. V. N. Rao (SAC)
10:20-10:30	19	RADCAST- A high resolution probabilistic radar based autonowcast system	Bibraj R (IMD); Bagavath Singh Arul Malar Kannan (IMD)
10:30-10:40	76	A radar based nowcasting system for severe weather events	Abhishek Chhari (SAC), Sambit Kumar Panda (SAC), Manoj Mishra (SAC), Bipasha Paul Shukla (SAC)
10:40-10:50	5	Design, Development, Commissioning & Preliminary Results Of Sspa Based C-Band Doppler Weather Radar At Igcarr, Kalpakkam	Shivangi Mishra (ISTRAC); Shanmuga Sundari J (ISTRAC); Anandan V K (ISTRAC); Channabasava B (ISTRAC); Sujatha P.N (IGCAR); C V Srinivas (IGCAR)