

Institute for Advanced Research in Science, Bangalore



IARSc Programme on Science, Technology, Research and Applications (IPSTRA)
on
'Know The Atmosphere You Live In'

Venue: Choksi Hall,
IISc, Bangalore
December 20, 2019

Programme

Registration: 8:45-9:30 hrs

Inaugural Programme: 9:30-10:30 hrs

High Tea: 10:30-11:00 hrs

Session 1 Chairman: Prof N K S Rajan, IISc, Bangalore			
No	Speaker	Topic	Scheduled time
1	Dr Virendra Singh, SATMET, India Meteorological Department, New Delhi	Satellites observing Weather systems of India	11:00-11:45
2	Dr A K Mitra, National Center for Medium Range Weather Forecasting, Noida, UP	Numerical modelling for Indian monsoon and Heavy Rainfall events	11:45-12:30
3.	Dr Kusuma G Rao, Institute for Advanced Research in Science, Bangalore	Regional weather modelling for Sriharikota in support of ISRO satellite launches	12:30-13:15
Lunch break			13:15-14:00
Session 2 Chairman: Dr A K Mitra, NCMRWF, Delhi			
1.	Dr C V Srinivas, IGCAR, Kalpakkam	Earth observations for Atmospheric Studies	14:00-14:45
2.	Dr Y. V. N. Krishnamurthy, IIST, Trivandrum	Earth observations for Disaster Management Applications	14:45-15:30
Tea Break			15:30-16:00

Session 3 Chairman: Dr G. Bala, CAOS, IISc, Bangalore			
1.	Prof S N Omkar, Dept of Aerospace Engineering IISc, Bangalore	Applications of Unmanned Aerial Vehicles	16:00-16:45
Session 4 Chairman: Dr Kusuma G Rao, IARSc, Bangalore			
1.	Prof N K S Rajan, CGPL, Dept of Aerospace Engineering, IISc, Bangalore	Advancements in Assessment of Biomass Resource using Satellite Imagery based Remote Sensing	16:45-17:15
2.	Prof G. Bala, CAOS, IISc, Bangalore	Global Climate Change and Implications	17:15-18:00

Open Session on Dec 20-21, 2019

M/S ASTRA Microwave Pvt Ltd. Hyderabad	Display of Instrumentation
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**Venue: CHOKSI HALL,
IISc, Bangalore
December 21, 2019**

Programme

Interactive Session on 'Instrumentation & Measurements' Chairman: Dr P S Kulkarni, IISc, Bangalore			
No	Experiment In-charge	Experiment on:	Scheduled time
1	Prof S N Omkar & Team Dept of Aerospace Engineering IISc, Bangalore	Demonstration of Unmanned Air vehicle flying Venue: Prof Omkar's Lab in Dept of Aerospace Engineering, IISc	9:30-10:30
Tea Break			1030-1100
2.	Prof N K S Rajan & Team CGPL, Dept of Aerospace Engineering,	Measurement of Combustion Parameters Venue:	11:00-12:00

	IISc, Bangalore	CHOKSI Hall, IISc	
3.	Dr Mahesh Sharma Semi Conductor Laboratory S.A.S. Nagar (Mohali)	Talk on Indigenous Pisharoty GPS Radiosonde System Venue: CHOKSI Hall, IISc	12:00-12:20
4.	Dr Mahesh Sharma & Mr Jai Ram Singh Systems Assembly & Integration Semi Conductor Laboratory S.A.S. Nagar (Mohali)	Upper Air measurements with Indigenous Pisharoty GPS Radiosonde System Venue: CHOKSI Hall, IISc	12:20-13:00

4.	Prof Prabhu Aradhya (CHAIR), Dr Kusuma G Rao, Prof N K S Rajan, Dr R Venkatesan, Prof Prakash Kulkarni	PANEL Discussion & Certificates presentation	13:00-13:30
Lunch Break			13:30-14:30