



Meeting Links:

COFSAS-2023 (Day 1 March 15, 2023)

<https://indianradio.webex.com/indianradio/j.php?MTID=m7f2a66b4fef9aa6a3f98323b59bbdaad>

Wednesday, March 15, 2023 9:45 AM | 8 hours | (UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi

Meeting number: 2511 011 6465

Password: K9DgiKUPi78

COFSAS-2023 (Day 2 March 16, 2023)

<https://indianradio.webex.com/indianradio/j.php?MTID=mebc238b11e01d0dea894696e532b9f8f>

Thursday, March 16, 2023 9:45 AM | 8 hours | (UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi

Meeting number: 2518 167 5097

Password: PjhrAGR735

Scientific Program

15 March 2023

Morning Session (10:00-13:00)
Chairman: Amitava Sen Gupta

Time	Presentation Category	Speaker	Title
10:00-10:30	Opening Ceremony	Amitabha Sen Gupta & S. Ananthkrishnan	
10:30-11:10	Plenary	Dipankar Banerjee	Variability of our nearest star the Sun
11:10 -11:20 (Break)			
11:20-11:45	Invited	Abhirup Datta	Probing Low Latitude Ionosphere with GMRT and NavIC
11:45-12:10		Venkatesh Kavutarapu	Longitudinal and hemispheric variabilities of the low latitude ionospheric dynamics and space weather effects
12:10-12:35		Abhay K Singh	Study of Space weather and its effects on low latitude ionosphere
12:35-13:00		Vipin K. Yadav	Magnetic Field measurements in Space
13:00-13:30 (Break)			
Afternoon Session I (13:30-15:50) Chairman: Animesh Maitra			
13:30-13:55	Invited	Vijay P. Kanawade	Opposite trends in heat waves and cold waves over India

13:55-14:20		Tarun Kumar Pant	Space: Situational Awareness and Weather
14:20-14:45		Dibyendu Chakrabarty	How Aditya-L1 mission can help in Space weather investigations
14:45-15:10		Abhilash S.	Challenges in Predicting Extreme Weather Events?
15:10-15:30	Contributed	Nilesh Patel	GPS-TEC variations during the ascending phase of 24th solar cycle over the Indian equatorial and low latitude regions
15:30-15:50		Ritabrata Sarkar	Simulation of Near Earth Space Radiation and its Hazards.
15:50-16:00 Break			
Afternoon Session II (16:00- 17:45) Chairman: Abhilash S.			
16:00-16:20	Contributed	Rafeeq Rather	Unveiling the observations of Travelling Ionospheric Disturbances and Plasma Blobs over Srinagar, J and K, India
16:20-16:40		Mr. Dayanand	Sub-ionospheric VLF perturbations observed at low latitude station Dehradun India
16:40-17:00		Tanushree Bezbaruah	Nonlinear Dynamics Of Flow-induced Instability In Strongly Correlated Astrophysical Plasmas
17:00-17:25	Invited	Mahesh Shrivastava	Tracking tsunami propagation and Island's collapse after the Hunga Tonga Hunga Ha'apai 2022 volcanic eruption from multi-space
17:25-17:45	Contributed	Rajat Tripathi	Three dimensional FDTD modelling of tropospheric lightning induced electromagnetic perturbations
16 March 2023			
Morning Session (10:00-13:20) Chairman: Prof. S. Ananthkrishanan			
10:00-10:40	Plenary	Amit Kumar Patra	Recent advances in radar probing of the atmosphere and ionosphere
10:40-11:05	Invited	Animesh Maitra	Radar sensing of atmospheric phenomena at a tropical location
11:05-11:30		Grandhi Kishore Kumar	Role of Radars in understanding MLT structure and dynamics

11:30-11:55		Kaustav Chakravarty	Microphysical features of clouds and precipitation for the severe rainfall events for coastal cities of India
11:55-12:05 Break			
12:05-12:30	Invited	Anirban Guha	Lightning: Some Basic facts and protection for common people
12:30-12:55		Narendra Ojha	Modeling of atmospheric trace gases and aerosols over the South Asian region
12:55-13:20		Pralay Kumar Karmakar	Astrocloud instability To Structure Formation
13:20-13:50 Break			
Afternoon Session I (13:50- 16:20) Chairman: Dibyendu Chakarbarty			
13:50-14:15	Invited	Mamata Sahoo	Active Brownian dynamics
14:15-14:40		Gopi K Seemala	Estimation of total electron content (TEC) from GPS/GNSS receivers
14:40-15:00	Contributed	Anand Kumar Singh	Recent advances in the Space Weather and Atmospheric Sciences in Antarctica: Contributions from India
15:00-15:20		Suman Chakraborty	Intense chorus waves result in the limitation of electron fluxes in the heart of the outer radiation belt
15:20-15:40		Uma Pandey	Ionospheric Variations to an Intense Geomagnetic Storm of 26 August 2018 over Low latitudes and Polar Regions
15:40-16:00		Mr. Rakesh V.	Utilizing a VHF wind profiler to study ionospheric characteristics and its coupling with the lower atmosphere
15:00-16:20		Akanksha Saroch	Simulation study of laser pulse propagating in plasma
16:20-10:30 Break			
Afternoon Session II (16:30- 17:30) Chairman: Narendra Ojha			

16:30-16:50	Contributed	Soujan Ghosh	Study of Tropospheric and Ionospheric Responses of Pre- and Co-Seismic Irregularities using Satellite and Ground Based Techniques
16:50-17:10		Sunil A. S.	Ionospheric Imprints of the 29 July 2021, Mw 8.2 Chignik Earthquake, Alaska
17:10-17:30		Mr. Siva Sai Ranjana	Occurrence characteristics of Equatorial F-region Irregularities (EFIs) from GNSS observables at a low-latitude location in India
17:30-18:00	Panel Discussion and Closing Ceremony		