

Programme for NCRA Academic Days 2025

Day 1, 10 March 2025, Monday

Time	Name	Title
	Chair: Ruta Kale	
9:30	Yashwant Gupta	
9:50	Jayanta Roy	SPOTLIGHT: A Probe of the Fast Radio Transient Sky
10:10	Jyotirmoy Das	Pulsar Search with SPOTLIGHT
10:30	Ujjwal Panda	Turning the SPOTLIGHT on fast transients in real-time
10:50	Chahat Dudeja	FRB 20201124A and SPOTLIGHT
	Tea Break: 11:10 - 11:40 am	
	Chair: Sunil Malik	
11:40	Yogesh Wadadekar	A short tale of a very long tail
12:00	Rashi Jain	Alaknanda: A grand design spiral at $z \sim 4$ with JWST
12:20	Pralay Biswas	Identification and Study of the Optically Invisible Galaxy Population with JWST
12:40	Vivek Kumar Jha	AGN Variability: A Window into Accretion Dynamics and Black Hole Physics
1:00	Ruta Kale	The high redshift galaxy cluster El Gordo
	Lunch Break: 1:20 - 2:20 pm	
	Chair: Bhaswati Bhattacharyya	
2:20	Yogesh Maan	Targeted Searches for Pulsars: Updates and Thoughts
2:40	Banshi Lal	Magnetars as Key Progenitors of Fast Radio Bursts
3:00	Sapan Kumar Sahoo	Probing Regularity of the time-ticks from Neutron Star laboratories with high-precision timing of GMRT-discovered millisecond pulsars
3:20	Divya Oberoi	Enabling solar physics with SKA-Mid precursor - MeerKAT
3:40	Sanjay Kudale	In-field phasing : Status, release and application to SPOTLIGHT

Time	Name	Title
	Tea Break: 4:00 - 4:30 pm	
	Chair: Vivek Kumar Jha	
4:30	Tirthankar Roy Choudhury	Semi-Numerical Models of Reionization
4:50	Anirban Chakraborty	Modelling the abundance and clustering of high-redshift galaxies in the JWST era
5:10	Janakee Raste	Thermal Evolution of the IGM due to Lyman- α photons at the Cosmic Dawn
5:30	Jasjeet Bagla	Prospects of HI detection via strong gravitational lensing
5:50	Anjan Sarkar	Probing EoR with HI-KSZ cross-correlations
	Day-1 meeting ends	

Day 2, 11 March 2025, Tuesday

Time	Name	Title
	Chair: Yogesh Maan	
9:30	Dipanjan Mitra	The validity of the Rotating Vector model in Pulsars
9:50	Deepan Patra	An Automated Trigger for Solar Radio burst detection and observation using the MWA and the Yamagawa spectrograph
10:10	Soham Dey	Imaging studies of solar noise storms with SKA-Low precursor and pathfinders
10:30	Bhaswati Bhattacharyya	Millisecond Pulsars: Understanding the Why, What, and How
10:50	Ankita Ghosh	Exploring Unusual High-frequency Eclipses in MSP J1908+2105
	Tea Break: 11:10 - 11:40 am	
	Chair: Janakee Raste	
11:40	Krishnakumar M A	Recovering intrinsic pulse profiles using CLEAN-based deconvolution for high precision pulsar timing

Time	Name	Title
12:00	Siddhartha Bhattacharyya	LIGHT: Long-period transients in GMRT archival data
12:20	Visweshwar Ram Marthi	TBD
12:40	Harvinder Jassal	Interacting galaxies observations with UVIT
1:00	Sunil Malik	Diagnosis of 3D magnetic field and MHD turbulence Modes in ISM and extended objects through Synchrotron Polarization Statistics
	Lunch Break: 1:20 - 2:20 pm	
	Chair: Jasjeet Bagla	
2:20	Dharam Vir Lal	Exploring the fading echoes
2:40	Arpan Pal	Polarization Understanding of Large-scale Shock Emission with uGMRT: PULSE-uGMRT
3:00	Nissim Kanekar	An FRB, an AGN, and a broken ring
3:20	Archisman Khasnovis	The atomic gas properties of Green Pea galaxies
3:40	Sameer Salunkhe	Tracing a Candidate Radio Relic in one of the Lowest-Mass Clusters
	Tea Break: 4:00 - 4:30 pm	
	Chair: Sameer Salunkhe	
4:30	Subhashis Roy	Radio continuum halos of nearby large galaxies with uGMRT
4:50	Debangana Maji	Unravelling the Galactic Centre through HI absorption
5:10	Salmoli Ghosh	Helical fields in Seyfert galaxies? A close look at NGC 3516
5:30	Ishwara Chandra	A new catalog of Episodic Radio Sources
5:50	Preeti Kharb	Looking at AGN Jet Bases
	Meeting Ends	