

The Second ILMT Workshop (ILMT 2025)

Programme Schedule

April 14, 2025 (Monday)

Time	Speaker	Title	Session Chair
9:00 - 9:15	Registration		
9:15 - 9:20	Welcome Address by the Director (Dr. Manish Naja)		Kuntal Misra
9:20 - 9:25	Introductory Remarks by the Astronomy Division Chair (Dr. Jeewan Pandey)		
9:25 - 9:30	Introductory Remarks by the Engineering Division Chair (Dr. Brijesh Kumar)		
9:30 - 10:30	Jean Surdej	The International Liquid Mirror Telescope Project - Overview and Initial Results	
Tea Break (10:30 - 11:00)			
11:00 - 11:30	Naveen Dukiya	The ILMT Source Catalog	Jean Surdej
11:30 - 12:00	Sara Filali	Detection and Characterisation of Asteroids with the ILMT	
12:00 - 13:00	Kuntal Misra	Unravelling the Transient Sky with the ILMT	
Lunch Break (13:00 - 14:00)			
14:00 - 15:30	Kumar Pranshu	Searching for Transients Using Image Subtraction	Demo Session - I
Tea/Coffee Break (15:30 - 16:00)			
16:00 - 17:30	Kumar Pranshu	Searching for Transients Using Image Subtraction	Demo Session - II
Tea/Coffee Break (17:30 - 18:00)			
18:00 - 19:30	Bhavya Ailawadhi, Naveen Dukiya, Monalisa Dubey, Kumar Pranshu, Sarvesh Kumar Yadav	Visit to 40 inch Sampurnanand Telescope	Visit

April 15, 2025 (Tuesday)

Time	Speaker	Title	Session Chair
9:30 - 10:30	Jean Surdej	Gravitational Lenses - Detection and Characterisation	Kumar Pranshu
Tea/Coffee Break (10:30 - 11:00)			
11:00 - 11:40	Yogesh Joshi	Study of Microlensing Events using Optical Surveys	Kumar Pranshu
11:40 - 12:20	Neelam Panwar	Study of Star Clusters and Variable Stars in the context of the ILMT	
12:20 - 13:00	Shivangi Pandey	Active Galactic Nuclei and their Study in the Context of Optical Surveys	
Lunch Break (13:00 - 14:00)			
14:00 - 15:30	Bhavya Ailawadhi	Photometry Techniques: Aperture Photometry	Demo Session - III
Tea/Coffee Break (15:30 - 16:00)			
16:00 - 17:00	ARIES Colloquium		

April 16, 2025 (Wednesday)

Time	Speaker	Title	Session Chair
9:30 - 10:30	Jeewan Pandey	Stellar Variability Studies with the ILMT	Monalisa Dubey
Tea/Coffee Break (10:30 - 11:00)			
11:00 - 12:00	Sarvesh Kumar Yadav	Classification of Astrophysical Transients using Machine Learning	Monalisa Dubey
12:00 - 13:00	Sarvesh Kumar Yadav	Detection and Characterisation of Space Debris	Demo Session - IV
Lunch Break (13:00 - 14:00)			
14:00 - 15:30	Naveen Dukiya	Photometry Techniques: PSF Photometry	Demo Session - V
Tea/Coffee Break (15:30 - 16:00)			
16:00 - 17:30	Concluding Remarks, Research Projects with the ILMT and Feedback		Jean Surdej and Kuntal Misra

April 17, 2025 (Thursday) - Day Visit to ARIES Devasthal Observatory