

ASI 2025 – List of Selected Abstracts – Sun, Solar System, Exoplanets, and Astrobiology

Name	Conference ID	Affiliation	Title	Abstract type by SOC
Srinjana Routh	ASI2025_116	Aryabhata Research Institute of Observational Sciences	On the possibility of using Polar Filaments as precursors to understanding the solar cycle using historical data.	Oral
Wageesh Mishra	ASI2025_513	Indian Institute of Astrophysics, Bengaluru	Insights from Rarely Observed Slow Shocks in Solar Wind	Oral
Vinod Chandra Pathak	ASI2025_98	Tata Institute of Fundamental Research (TIFR), Mumbai	Characterizing Molecular Winds from Protoplanetary Disks: New Perspectives from JWST	Oral
Dibya Kirti Mishra	ASI2025_44	ARIES	Automatic Detection of Plages using Hand-drawn Suncharts from Kodaikanal Solar Observatory Employing Machine Learning Technique	Oral
sindhuja gunaseelan	ASI2025_200	Christian Albrechts University	Comparative Study of Helium-Rich and Helium-poor Events Observed by the High-Energy Telescope (HET) Onboard Solar Orbiter	Oral
Puja Majee	ASI2025_342	National Centre for Radio Astrophysics	Unveiling the Coronal Condition for Generation of Type-II Solar Radio Bursts through MHD Simulations and Radio Imaging	Oral
Soumyaneal Banerjee	ASI2025_629	Vikram Sarabhai Space Centre	Sulfuric Acid and Sulfur Dioxide vapor concentrations in the lower atmosphere of Venus using the Radio Occultation Technique	Oral
Borukote Sangadeep	ASI2025_716	Osmania University	The effect of geomagnetic activity on meteor plasma trails observed by meteor radar at Rothera (67° S, 68° W), Antarctica	Oral
Anuroop Dasgupta	ASI2025_43	Universidad Diego Portales, Santiago, Chile	The Ophiuchus Disk Survey Employing ALMA (ODISEA): Complete Size Distributions for the 100 Brightest Disks Across Multiplicity	Oral
Arpit Shrivastav	ASI2025_725	Aryabhata Research Institute of Observational Sciences (ARIES)	Investigating the solar wind source regions using inner and middle corona observations	Oral
Saugata Barat	ASI2025_345	University of Amsterdam	First observations of young transiting planet atmospheres: Uncovering signatures of early evolution	Oral
Sushree Sangeeta Nayak	ASI2025_418	Center for Space Plasma and Aeronomic Research	flare ribbon dynamics using MHD simulation	Oral
Samridhi Sankar Maity	ASI2025_623	Indian Institute of Astrophysics and Indian Institute of Science	Reconnection Flux Evolution in Erupting Magnetic Flux Ropes - perspectives from Observations and MHD Simulations	Oral
Prakruti Sudarshan	ASI2025_131	Max Planck Institute for Astronomy	How stellar irradiation affects the structure of a planet forming disk	Oral
Vignesh Vaikundaraman	ASI2025_386	Max Planck Institute for Solar System Research	Dust growth in wind-driven protoplanetary disks	Oral
Ushasi Bhowmick	ASI2025_389	Space Applications Centre, ISRO	Lightcurve Inversion: Analyzing the extent of feature embedding of a two-dimensional projected shape on its transit lightcurve.	Oral
Sourav Chatterjee	ASI2025_627	TIFR	Dynamical Processes Can Explain the Orbital Architectures of Kepler's Multis	Oral
Jagabandhu Panda	ASI2025_284	National Institute of Technology Rourkela	Martian clouds and their association with atmospheric dust distribution, dynamics and thermodynamics	Oral

Surajit Mondal	ASI2025_690	New Jersey Institute of Technology	New Insights into Type-I Solar Noise Storms using High Angular Resolution Spectroscopic Imaging with the uGMRT	Oral
Soham Dey	ASI2025_632	National Centre for Radio Astrophysics	Polarization Characteristics of Active Solar Radio Emissions: Insights from SKAO Pathfinders and Precursors	Oral
Rishikesh Sharma	ASI2025_742	PHYSICAL RESEARCH LABORATORY, Ahmedabad	Discovery and Characterization of a dense sub-Saturn TOI-6651b	Oral
SHRADDHA BISWAS	ASI2025_55	INDIAN CENTRE FOR SPACE PHYSICS	Investigating the Potential Causes of Transit Timing Variations for TrES-2b in the Era of TESS.	Poster
SOUMYARANJAN KHUNTIA	ASI2025_240	Indian Institute of Astrophysics Bangalore	Investigating the Thermodynamics of CMEs and Insights From the Successive CMEs Driving the 11 May 2024 Great Geomagnetic Storm	Poster
Sabarinath M D	ASI2025_161	Indian Institute of Science Education and Research Kolkata	Minor Element Mapping On Lunar Surface using CLASS Data	Poster
Sankalp Srivastava	ASI2025_349	Indian Institute of Astrophysics	The relation between solar spicules and magneto-hydrodynamic shocks	Poster
Kishor Kumbhar	ASI2025_145	Department of Physics, University of Mumbai	Limit of Alfvénic Heating in ICME Magnetic Clouds: An Observational Perspective	Poster
Anjali Agarwal	ASI2025_446	Indian Institute of Astrophysics	Inconsistency in the characteristics of a CME across its small longitudinal dimension	Poster
Pooja Devi	ASI2025_215	Kumaun University, Nainital	Eruption of a quiescent filament and associated EUV loop contraction	Poster
Dipali Vadher	ASI2025_433	Sardar Vallabhbhai National Institute of Technology	An effective approach for identifying magnetic field switchbacks in the solar wind	Poster
Ambika Saxena	ASI2025_255	ARIES Nainital	Investigating asymmetries in the spectral lines due to the propagating transverse waves in the solar corona	Poster
Upasna Baweja	ASI2025_622	Aryabhata Research Institute of Observational Sciences	Investigation of Co-existence of longitudinal and transverse waves in polar plumes	Poster
Jaydeep Kandekar	ASI2025_220	Ahmednagar College, Ahmednagar 414001	Can metric type II be used as a diagnostics tool for interplanetary coronal mass ejections?	Poster
Pritam Das	ASI2025_691	Aryabhata Research Institute of Observational Sciences	Kinematics of CMEs in the Middle Corona	Poster
Rohan Bose	ASI2025_636	Aryabhata Research Institute of Observational Sciences	Morphological Study of Polar Coronal hole Jets	Poster
BIKI PRASAD	ASI2025_653	Assam University, Silchar	Beyond Spectral Classification: Photopolarimetric Signatures of Asteroids	Poster
VED PRAKASH GUPTA	ASI2025_660	Sam Higginbottom University of Agriculture, Technology and Sciences	Exploring the Solar Rotational Properties at 1600 Å	Poster
Bhupendra Kumar Tiwari	ASI2025_63	Department of Physics, A. P. S. University Rewa M. P.	Study of solar activities associated with Cosmic Ray Modulation	Poster
Pradeep Kayshap	ASI2025_256	VIT Bhopal University, Kotri Kalan, Asta, M.P., India	Formation of a Solar Jet as per Magnetic Breakout Reconnection	Poster
Hasil Dixit	ASI2025_248	Udaipur Solar Observatory, Physical Research Laboratory, Ahmedabad	Study of small-scale compact chromospheric brightenings using data from MAST and SDO	Poster
Avinash Salguneswaran	ASI2025_62	Christ University	Updated Ephemeris of WASP-18 b and Investigation Into the Existence of WASP-18 c	Poster
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Bestha Manjunath	ASI2025_451	Indian Institute of Astrophysics	Simulation of High-Resolution Multi-Object Transmission Spectroscopy	Poster

Tisyagupta Pyne	ASI2025_160	Visva-Bharati University	The 10 pc Neighborhood of Habitable Zone Exoplanetary Systems: Threat Assessment from Stellar Encounters & Supernovae	Poster
Aniket Prasad	ASI2025_25	Indian Institute of Space Science and Technology	VaTest: Statistical Validation of Potential Super-Earths from TESS Data	Poster
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KEERTHANA U	ASI2025_554	Manipal Centre for Natural Sciences, Manipal Academy of Higher Education, Manipal	Investigating the scattering by the impact ejecta plume of planetary bodies	Poster
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Anirban Mandal	ASI2025_15	National Institute of Technology, Rourkela	Analysing the growth and evolution of two regional dust storms using MRO-MCS, Curiosity, and Perseverance observations	Poster
Samrat Sen	ASI2025_356	Instituto de Astrofísica de Canarias	Hot meets cold: From eruptions to post flare coronal rain	Poster
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Rohit Kumar Parbat	ASI2025_575	National Institute of Technology, Calicut	Periodic and Temporal Analysis of Solar and Geomagnetic Indices and their Associations Across Solar Cycles	Poster