

## ASI 2020 – List of Selected Abstracts in Instrumentation and Techniques

Firstname	Last Name	Conference ID	Affiliation	Title	Decision by SOC	SOC comments
Eduardo	Ros	ASI2020_470	MPI für Radioastronomie	The Event Horizon Telescope: Seeing the invisible	Public talk	<b>This is a public talk on Sunday, 16 Feb 2020</b>
Mudit	Srivastava	ASI2020_94	Physical Research Laboratory	Design and Development of Faint Object Spectrograph and Camera (FOSC) Instruments for PRL Telescopes	Invited	
Anandmayee	Tej	ASI2020_150	Indian Institute of Space Science and Technology	ExoWorlds - An Overview	Invited	<b>This is an invited talk under special session on Future Astronomy Payloads / Missions</b>
Saurabh	Saurabh	ASI2020_57	ARIES, Nainital	Status of 3.6m DOT and ARIES back-end instruments	Invited	
Rishin	P V	ASI2020_377	Raman Research Institute	Current status of POLIX, an X-ray Polarimeter on-board XPoSat	Invited	
Dipankar	Banerjee	ASI2020_572	IIA, Bangalore	Status update on Aditya-L1 and NLST	Invited	
Girish	V	ASI2020_421	ISRO	Four years of AstroSat	Invited	
Madhuri	Siriprolu	ASI2020_512	Indian Institute of Science, UR Rao Satellite Centre	Optimisation of Photoelectric Polarimeter for Medium Energy X-rays.	Oral	
Debi Prasad	Choudhary	ASI2020_258	California State University Northridge	Spectrograph-based Dual-channel Solar Imaging Spectrometer	Oral	
Ravinder	Banyal	ASI2020_248	Indian Institute of Astrophysics	Design and development of a tip-tilt instrument for 1.3 telescope	Oral	
Raja Bayanna	Ankala	ASI2020_372	PRL, Udaipur Solar Observatory	Adaptive Optics System for Multi-Application Solar Telescope at	Oral	

				Udaipur Solar Observatory		
Ramesh	Balasubramanyam	ASI2020_385	Raman Research Institute, Bangalore	Building the RRI Efficient Linear-array Imager	<b>Oral</b>	
Radhakrishna	V	ASI2020_318	Indian Space Research Organisation	Chandrayaan-2 Large Area Soft X ray Spectrometer: Onboard performance	<b>Oral</b>	
Devika	Divakar	ASI2020_533	Indian Institute of Astrophysics	Conceptual Design of High Resolution Optical Spectrograph for Thirty Meter Telescope	<b>Oral</b>	
Siddharth	Maharana	ASI2020_491	IUCAA	WALOP- South: A Wide Field Optical Linear Polarimeter for PASIPHAE Survey	<b>Oral</b>	
Sriram	Sri Padmanaban	ASI2020_206	Engineer	Indian Spectroscopic and Imaging Space Telescope ( INSIST ) -The future UV mission!	<b>Poster</b>	
Shanti	Prabha	ASI2020_362	Indian institute of astrophysics	Design of precision pointing system for high altitude balloon payloads	<b>Poster</b>	
Margarita	Safonova	ASI2020_364	Indian Institute of Astrophysics	The problem of image improvement and restoration in optical time series	<b>Poster</b>	
VISHNU	UNNI. C	ASI2020_329	Indian Institute of Astrophysics	Estimation of Fried's Parameter from solar H-alpha data	<b>Poster</b>	
Paulomi	Paul	ASI2020_146	H. N. B. Garhwal Central University	Variability in Open Cluster NGC 1893	<b>Poster</b>	<b>This abstract will be moved to under Stars, ISM and Galaxy</b>

Ananthamoorthy	B	ASI2020_336	Manipal Centre for Natural Sciences, Centre of Excellence, Manipal Academy of Higher Education, Manipal	A first bright source list of UVIT onboard AstroSat	Poster	<b>This abstract will be moved to Extragalactic Astronomy</b>
Sarvesh	Mangla	ASI2020_303	Indian Institute of Technology, Indore	Study of ionospheric TEC gradients with the Giant Metrewave Radio Telescope at sub-GHz frequencies.	Poster	
Harsha Avinash	Tanti	ASI2020_425	IIT Indore	Development on an Instructional Radio Interferometer at IIT Indore	Poster	
Athira	B S	ASI2020_466	CESSI, IISER Kolkata	Single-shot Measurement of Space Varying Polarization State of Light via Quantification of Pancharatnam-Berry Geometric Phase	Poster	
MukeshKumar	Jaiswar	ASI2020_480	Electronics Engineer at ARIES, Nainital	Development Activities for ARIES ILMT facility	Poster	
Ashok Kumar	Singh	ASI2020_492	Sr. Engineering Associate at ARIES	Upgradation of Operation console for 104 cm ARIES Sampurnanand Telescope	Poster	
Shrish	Shrish	ASI2020_515	National Institute of Science Education and Research	Modeling geometrical and intensity distortions for WALOP polarimeter.	Poster	
Rohin Kumar	Yeluripati	ASI2020_565	Department of Physics & Astrophysics, University of Delhi	Accelerating HPC/ML Applications with FPGAs using High Level Synthesis	Poster	
Rohit	Chinchwadkar	ASI2020_38	Govt. College of engineering, nagpur	GSNST: A sky survey to search for transients using an array of robotic telescopes	Poster	

Prasanna	Deshmukh	ASI2020_142	Indian Institute of Astrophysics	Prototyping of Soft Actuators for Thirty Meter Telescope in India.	<b>Poster</b>	
Kshitij	Bane	ASI2020_71	Indian Institute of Astrophysics	Development of radio antenna array and receiver system for observations of Pulsars at Low Radio Frequencies	<b>Poster</b>	
Sudhanshu	Barway	ASI2020_175	Indian Institute of Astrophysics	IIA proposal submission and management system (IPS)	<b>Poster</b>	
Tanya	Das	ASI2020_243	Indian Institute of Astrophysics	Using a stabilized Fabry-Perot etalon for determining instrumental artifacts in a spectrograph	<b>Poster</b>	
Nandish	Nanjappa	ASI2020_263	Engineer	Frameless motor arrangement in 4metre class telescope for smooth axis motions	<b>Poster</b>	
Kumar	TS	ASI2020_359	ARIES	The 3.6m DOT Control System: Maintenance and Upgradation	<b>Poster</b>	
Tarun	Bangia	ASI2020_264	ARIES	Mechanical Status of 3.6m Devasthal Optical Telescope at ARIES	<b>Poster</b>	
Vaishali	Sharan	ASI2020_317	Indian Space Research Organisation	Chandrayaan-2 Large Area Soft X ray Spectrometer: Data processing algorithms and pipeline development	<b>Poster</b>	
Anurag	Tyagi	ASI2020_434	U R Rao Satellite Centre	Electronics development for Chandrayaan-2 Large area Soft X-ray Spectrometer (CLASS) payload onboard Chandrayaan-2 Orbiter	<b>Poster</b>	

shyama	Narendranath	ASI2020_441	Indian Space Research Organisation	Chandrayaan-2 Large Area Soft X ray Spectrometer (CLASS) : Calibration and instrument response generation	<b>Poster</b>	
Shobhit	Yadava	ASI2020_449	ARIES	Ecosystem of simple and versatile low cost embedded boards at ARIES observatory	<b>Poster</b>	
Linn	Abraham	ASI2020_439	Pondicherry University	Classification of Variables for the ZTF survey using autoencoding Recurrent Neural Networks	<b>Poster</b>	
Krishna	Reddy	ASI2020_524	Aryabhata Research Institute of Observational Sciences (ARIES)	A full-stokes spectro-polarimeter for 3.6-m Devasthal Optical Telescope	<b>Poster</b>	
Janani	Varadhachari	ASI2020_535	Indian Institute of Astrophysics	Primary Mirror error budget development for National Large Optical Telescope	<b>Poster</b>	
Gireesh	GVS	ASI2020_547	Indian Institute of Astrophysics, Bengaluru	A low cost set-up for radio observations of the solar chromosphere	<b>Poster</b>	
Yogesh	Wadadekar	ASI2020_560	NCRA-TIFR	Some novel applications of deep learning to astronomical problems	<b>Poster</b>	
Prashanth kumar	Kasarla	ASI2020_559	Physical Research Laboratory	PRL's 50cm telescope: Old wine in a new bottle!	<b>Poster</b>	

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