

ASI 2020 – List of Selected Abstracts in Sun and the Solar System

Firstname	Last Name	Conference ID	Affiliation	Title	Decision by SOC
Asoke	Sen	ASI2020_489	Assam University	The interstellar comets and evolution of our solar system	Invited
Rohan Eugene	Louis	ASI2020_208	Udaipur Solar Observatory, PRL	The importance of the solar chromosphere - Recent insights from high resolution observations	Invited
Divya	Oberoi	ASI2020_528	NCRA-TIFR	Solar metrewave radio astronomy: Entering a new regime	Invited
Kuljeet	Marhas	ASI2020_576	Physical Research Laboratory	Superflares from the primeval Sun	Invited
Bibhuti Kumar	Jha	ASI2020_251	Indian Institute of Astrophysics	Magnetic field dependence of bipolar magnetic region tilts on the Sun: Evidence of tilt quenching	Oral
Wageesh	Mishra	ASI2020_298	Max Planck Institute for Solar System Research, Germany	Modeling the Thermodynamic Evolution of Coronal Mass Ejections	Oral
Ritesh	Patel	ASI2020_348	Indian Institute of Astrophysics	CMEs Identification in Inner Solar Corona (CIISCO)	Oral
Surajit	Mondal	ASI2020_342	National Centre for Radio Astrophysics	Evidence for impulsive heating in quiet sun?	Oral
Nitin	Yadav	ASI2020_456	Max Planck institute for Solar System research	Numerical simulations of Slow Magneto-acoustic Wave Propagation	Oral
BILIN	SUSAN VARGHESE	ASI2020_546	MAHATMA GANDHI UNIVERSITY, KOTTAYAM	THE EUV NETWORK PROPERTIES OF THE SOLAR TRANSITION REGION	Oral
Srikar	Tadepalli	ASI2020_369	U R Rao Satellite Centre	Observations of Particles in the Geotail by CLASS on Chandrayaan-2 indicate a Dynamic Space Environment	Oral
Mithun	N. P. S.	ASI2020_324	Physical Research Laboratory, Ahmedabad	X-ray Spectroscopy of the Sun with Chandrayaan-2 XSM: Initial Results and Prospects	Oral
Nagaraju	Krishnappa	ASI2020_293	Indian Institute of Astrophysics	Sunspot magnetometry in H α and Ca II 854.2 nm spectral lines	Oral
Nandita	Srivastava	ASI2020_423	Udaipur Solar Observatory, Physical Research Laboratory	INterplanetary Flux ROpe Simulator (INFROS) for predicting the magnetic-field vectors of ICMEs	Oral

hirdesh	kumar	ASI2020_115	Udaipur Solar Observatory, Physical Research Laboratory, Udaipur 313001, India	Can magnetic-jerk accompanying major solar flares excite seismic emission in sunspots?	Poster
Suraj	Sahu	ASI2020_155	Physical Research Laboratory	Multi-wavelength investigation of the eruption of a magnetic flux rope (MFR) combining (E)UV, RHESSI and NoRH observations	Poster
Navin	Chandra Joshi	ASI2020_162	Udaipur Solar Observatory, Physical Research Laboratory	A complex eruptive circular-cum-parallel ribbon flare triggered by the successive stages of flux rope eruption	Poster
Pandey	Krishna Kumar	ASI2020_304	Bapu Intermediate College Sadat, Ghazipur, U.P.	Longitudinal character of Gnevyshev gap	Poster
SATABDWA	MAJUMDAR	ASI2020_297	INDIAN INSTITUTE OF ASTROPHYSICS	Connecting 3D Kinematics of slow and fast CMEs to their source regions: A preparatory study for the ADITYA L1 mission	Poster
Vishnu	Madhu	ASI2020_487	Indian Institute of Astrophysics	Science data pipeline development of VELC onboard ADITYA-L1	Poster
Soumya	Roy	ASI2020_472	Haldia Institute of Technology, Haldia	Periodic Behaviour of 10.7 cm Solar Radio Flux during Solar Cycle 20 – 24 using Empirical Mode Decomposition	Poster
Paniveni	Udayashankar	ASI2020_34	Bangalore University	Supergranulation - A Turbulent Phenomenon	Poster
Karthikeyan	Balasubramanian	ASI2020_58	Mepco Schlenk Engineering College	IDENTIFICATION OF AID MOLECULAR LINES IN HIGH RESOLUTION SUNSPOT UMBRAL SPECTRA	Poster
Manu	Gupta	ASI2020_186	University of Graz, Austria	Magnetic Helicity Modeling in Solar Flares	Poster
Shilpi	Bhunia	ASI2020_226	Indian Institute of Science Education and Research, Pune	A survey of the solar data from the Murchison Widefield Array	Poster
Vijayalakshmi	P	ASI2020_211	Madurai kamaraj university	Comparison of coronal and interplanetary activities of geo-effective Halo CMEs	Poster
Jaidev	Sharma	ASI2020_224	Department of Physics, C.C.S. University, Meerut	Latitude Dependent Rotational Profiles of Corona using STEREO-284Å Observations	Poster
sindhuja	G	ASI2020_277	Bangalore university	A study of the observational properties of coronal mass ejection flux ropes near the Sun	Poster
Deepthi	Ayyagari	ASI2020_302	IIT Indore	Investigating Positional Accuracy during Intense Geomagnetic Storms using NavIC	Poster

Ram Ajour	Maurya	ASI2020_121	NIT Calicut	Magnetic and Velocity Fields' Topologies of Solar Active Regions	Poster
ADITYA	PRIYADARSHI	ASI2020_256	Indian Institute of Astrophysics, Bangalore	Solar differential rotation as measured from century long Kodaikanal white light digitized data	Poster
SOUVIK	ROY	ASI2020_343	Center of Excellence in Space Sciences India (CESSI), IISER Kolkata	Magnetohydrodynamic Simulations of the Solar Forcing of Planetary Magnetospheres	Poster
Anshu	Kumari	ASI2020_347	IIA	Solar coronal magnetic field estimates in the middle corona using LOFAR	Poster
Subhash Chandra	Kaushik	ASI2020_352	GAPGC	Solar wind Transient Plasma Flows and Geoeffectiveness	Poster
Sonia	Kaushik	ASI2020_353	Jiwaji University	Investigation of plasma transients and associated geomagnetic field variation at 1AU	Poster
FATIMA	BANO	ASI2020_313	PPN PG COLLEGE KANPUR	Study of rotation of transition region and chromosphere using SORCE/SOLSTICE SSI data	Poster
Mukul	Tewari	ASI2020_45	Kumaun University Nainital	Effects of CME driven geomagnetic storms on the relativistic electron flux dropouts in the outer radiation belts	Poster
Sana	Ahmed	ASI2020_330	Physical Research Laboratory	A Multi-fluid Model to Study the Coma of a Comet	Poster
Vikas	Soni	ASI2020_390	Physical Research Laboratory (PRL)	Study of the atmosphere of hot Jupiter	Poster
Sahel	Dey	ASI2020_415	Indian Institute of Astrophysics & Indian Institute of Science	Modeling the Solar Spicule Forest	Poster
Bhupendra kumar	Tiwari	ASI2020_420	A.P.S.University Rewa M.P.	Study of Solar– Interplanetary causes and Their Impact on GCR Fluxes	Poster
Satish	Chandra	ASI2020_427	P. P. N. (PG) College, Kanpur	Estimation of differential rotation of X-ray Corona using Yohkoh/SXT data	Poster
Maya	Prabhakar	ASI2020_431	Indian Institute of Astrophysics	EIS studies on Linewidth Variations with Doppler Velocity and Centroid and their shifts in different Solar Coronal Regions	Poster
Vivek	Singh	ASI2020_285	SHUATS	Radial differential rotation of solar atmosphere using Cracow Radio Flux Data	Poster
Prabhu	Kesavan	ASI2020_461	Indian institute of astrophysics	Recurrent halpha surges on the periphery of active region.	Poster
SAFNA BANU	K	ASI2020_488	NIT CALICUT	FLARE INDUCED CORONAL WAVES AND OSCILLATIONS	Poster

Ranadeep	Sarkar	ASI2020_505	Udaipur Solar Observatory, Physical Research Laboratory	Lorentz Force Evolution Reveals the Energy Build-up Processes during Recurrent Eruptive Solar Flares	Poster
Vishal	Upendran	ASI2020_496	IUCAA	Solar wind prediction using deep learning	Poster
Javaraiah	Javaraiah	ASI2020_556	Formerly Indian Institute of Astrophysics, Bengaluru	Long-Term Periodicities in North-South Asymmetry of Solar Activity and Planetary Configurations	Poster
Kammadhanam	Chenna Reddy	ASI2020_286	Dept. of Astronomy, Osmania University, Hyderabad - 500 007	Latitudinal asymmetry in vertical distribution of meteor decay time at North and South poles	Poster
Bikram	Pradhan	ASI2020_221	Space science, Technologies and Astrophysics Research (STAR) Institute, Université de Liège, Institut d'Astrophysique et de Géophysique, Allée du 6 Août 19c, 4000 Liège, Belgium	Space debris detection and characterization using the 4m International Liquid Mirror Telescope (ILMT)	Poster
Vineeth	S	ASI2020_154	Mar Thoma Collge Thiruvalla	Dust Acoustic Rouge Waves in a Cometary Environment with Kappa Distributed Non-thermal Ions and Electrons	Poster
P	Vemareddy	ASI2020_133	Indian Institute of Astrophysics	Electric current neutralization in solar active regions and relavant to eruptive nature	Poster
Sarthak	Choudhary	ASI2020_198	Indian Institute of Astrophysics	FIP effect in solar flares	Poster
Prasad	Subramanian	ASI2020_307	Tata Institute of Fundamental Research	Imaging convective flows using helioseismology	Poster
Ravindra	B	ASI2020_455	Indian Institute of Astrophysics	Formation of penumbra in Decaying sunspot	Poster
Sankarasubramanian	Kasiviswanathan	ASI2020_521	U R Rao Satellite Centre	Solar Coronal Magnetic Field Measurements on Active Regions	Poster
ARAVIND	K	ASI2020_328	Physical Research Laboratory, Ahmedabad	CONTRASTING BEHAVIOUR OF TWO JUPITER FAMILY COMETS	Poster
Ebenezer	Chellasamy Edwin	ASI2020_212	Indian Institute of Astrophysics	Study of Multiple MHD shocks superimposed in a radio continuum emission associated with CME	Poster
