

## 5th Asia Pacific Solar Physics Meeting, Pune: List of posters

Serial No.	Name	Title of Poster
<b>Session 1 – Facilities for Solar Astronomy: Present and future plans – Synergies between different missions</b>		
1	P.S. Athiray	The MaGIXS solar sounding rocket campaign
2	Sreejith Padinhatteeri	Solar Ultraviolet Imaging Telescope onboard ADITYA-L1
<b>Session 2 – Solar Magnetic Field: Generation, evolution and impact on Solar irradiance</b>		
1	Suyog Garg	Waldmeier Effect in Stellar Cycles
2	Bibhuti Kumar Jha	Solar differential rotation as measured from century long Kodaikanal white light digitized data
3	Sangeetha C.R.	Vorticity in and around emerging magnetic flux regions
4	Anastasiya Zhukova	Possibility for the fluctuation dynamo diagnostics from time variations of the solar total magnetic flux components
5	Sanish Thomas	Estimation of Coronal rotation by X-ray images observed by YOHKOH
6	Daiki Yamasaki	Polarization calibration of the Solar Magnetic Activity Research Telescope (SMART)
7	Andrey Plotnikov	Correction of the saturation effect in SMFT/HSOS LOS-magnetograms using polynomial fitting
8	Satoru Ueno	New brightness calibration method for photoplate solar images and modified plage index for reproducing long-term variation of solar UV radiation flux.
9	Prithvi Raj Singh	Hemispheric Study of the Sunspot Number during Solar Cycles 23-24
10	Vivek Singh	Study of Radial Differential Rotation of Solar Corona using Radio Flux Emissions
11	Satish Chandra	Estimation of Solar Rotation using SORCE/SOLSTICE Solar Spectral Irradiance
12	Adithya H.N	Solar X-ray Irradiance Variability from Spatially Resolved Full-Disk Images from Hinode/XRT
13	Aditi Bhatnagar	Determining the properties of solar active regions that signal transition from one sunspot cycle to another.
14	Ravindra B.	Formation and Disappearance of Penumbra in a Decaying Spot
15	Soumyaranjan Dash	The 2019 July 2 Total solar eclipse: prediction of the coronal magnetic field structure and polarization characteristics
16	Mukul Tewari	Statistical study of electron flux variations in outer radiation belts during CIR driven storms
17	Prachi Prajapati	Deriving Magnetic Plage Strength Index of the Sun over 100 years Using newly Calibrated Kodaikanal Ca K Data
18	Gopal Hazra	Exploring the Cycle Period and Parity of Stellar Magnetic Activity with Dynamo Modeling
<b>Session 3 - MHD Processes in the Solar Atmosphere</b>		
1	Sachin Kaothekar	Effect of neutrals and radiative heat-loss function on gravitational instability of Partially ionized plasma with Hall current and electron inertia
2	Yoshinori Suematsu	Relationship between Point-like Photospheric Downflows and Chromospheric Heating Seen in Hinode/SOT
3	Neha Srivastava	Role of anomalous diffusivity on plasmoid formation in magnetic reconnection
4	Sushree Sangeeta Nayak	Investigation of an X-class flare in NOAA AR 12017 from a dataconstrained magnetohydrodynamic simulation
5	Maya Prabhakar	Study of the Physical Properties of the solar corona from EIS/Hinode observations
6	Sanjay Kumar	Simulating magnetic reconnections in the presence of three-dimensional magnetic nulls
7	Rakesh Mazumder	Simultaneous longitudinal and transverse oscillations in filament threads after a failed eruption
8	Shanwlee Sow Mondal	Coronal spectral line asymmetry and its relation to type II spicules
9	Hannah Kwak	High-Resolution Observations of a Darkening Granule and the Associated Wave Excitation
10	Kiyoshi Ichimoto	Dual-passband imaging system for study of fine scale dynamics in solar chromosphere
11	Juhyung Kang	The Physical Nature of Spiral Wave Patterns in Sunspots
12	Vishal Upendran	Heating of the Quiet Corona
13	Abhishek Rajhans	Modelling of Hi-C brightenings
14	Jain Jacob PT	Fine scale structures and physical parameters of a Solar Prominence
15	C.J. Keerthana	Mechanisms of vorticity generation in the near surface layers of Sun - A study using 3D MHD simulations
<b>Session 4 - Flare, CMEs and Space Weather including interplanetary B-field</b>		
1	Balveer Rathore	A study on effect of solar wind plasma parameters on space weather
2	Joshi Yogeshkumar Dileepkumar	Change in the orientation of Sunspot Group towards Northern Latitude giving rise to multiple flares
3	Azad Ahmad Mansoori	Response of Low, Mid and High Latitude Ionosphere to enhanced radiation fluxes during major solar flare events
4	Aarti Fulara	Statistical Analysis of EUV Waves associated with Type II Radio bursts
5	Deepak Pandey	Comparative study of Type III radio bursts during solar cycle 23 and solar cycle 24
6	Sarthak Choudhary	FIP effect during solar flares
7	Mukul Tewari	Statistical study of electron flux variations in outer radiation belts during CIR driven storms
8	Mujiber Rahman	A study on Unsolved Kinematical issues of CME propagation
9	Zubair Ibrahim Shaikh	Comparative statistical study of Characteristics of plasma within Planar and Non-planar ICME sheaths during solar cycle 23 and 24
10	Komal Choraghe	The cause of an extended recovery from an ICME-induced extreme geomagnetic storm: a case study
11	Nishant Mittal	Relationship of Global EUV Waves with Solar Coronal Mass Ejections
12	Umangkumar Pandya	X-ray Emission characteristics in solar flares X and M class employing SOXS: CZT detector
13	Prateek Lonare	Can we detect Aurora in exoplanets orbiting M dwarfs ?
14	Urmi Doshi	Study of isolated Halo CME associated Geomagnetic storms
15	Pooja Devi	Circular Ribbon Flare on 26 January, 2015
16	Ranadeep Ghosh Dastidar	Magnetized Wind Mediated Sun-Earth-Moon Interactions
17	Vishnu Madhu	Science data pipeline development of VELC onboard ADITYA-L1
18	Suraj Sahu	Microwave and Hard X-ray observations of flux rope eruption accompanied with spectacular contraction of flaring loops
19	Reetika Joshi	Statistical Analysis of Solar Jets during 2015-2018
20	Arghyadeep Paul	Particle-in-MHD cell modelling of CME shock interaction with Planetary Magnetospheres

21 Sudheer Mishra	Geoeffective Stealth and Jet-like CMEs from eruptive coronal plasma channel and coronal hole structures
22 Suvadip Sinha	Solar filament eruptions as precursors to flare-CME events
23 Sargam Mulay	Thermodynamics of a flare related on-disk active region sigmoid
24 Sargam Mulay	Study of the spatial association between active region jet and nonthermal type III radio burst
25 Subhash Chandra Kaushik	Solar wind plasma flows and their space weather aspects
26 Sonia Kaushik	Investigation of Highly Geo-effective Solar Transients and Associated Events
27 Ritesh Patel	CMEs Identification in Inner Solar Corona
28 Navin Chandra Joshi	Successive stages of flux rope eruption and triggering of a complex eruptive circular-cum-parallel ribbon flare
29 Pramod Kumar	A comparative study of the non-thermal parameters of X-class solar flare plasma obtained from the cold and warm target models
30 Sindhuja G.	A study of the observational properties of coronal mass ejection flux ropes near Sun
31 Bhuwan Joshi	Spatial and spectral characteristics of HXR emission associated with the eruption of a flux rope during a major M-class long duration event
32 Prabir Mitra	Magnetic field configuration and energy release in an unconventional circular ribbon eruptive flare
33 Dipali Burud	Comparison of solar activity on SLD during descending phase of cycle 23 and 24
34 Ritika Solanki	On the triggering mechanisms of Recurring Jets near AR11176 and an associated CME
35 Avijeet Prasad	Magnetohydrodynamic Simulation of Magnetic Null-point Reconnections and Coronal dimmings in NOAA AR 11283
36 Waihong Lei	Do the solar flares originating from an individual active region follow a random process or a memorable correlation?
37 Shirsh Soni	Quasi-Periodic Pulsations of in X-ray emission from Solar Flares
38 Sneha Chaudhari	Thermal-nonthermal characteristics of the flares observed with remote brightening in NOAA AR10656
39 Manoj Varma	Correlations among various solar flare parameters and their scientific implications
40 Yatendra Singh	Oscillations in active region
41 Sumanjit Chakraborty	Effects of CME- and CIR-induced geomagnetic storm on the Indian subcontinent
42 Amareswari K.	Study of relations between Active region complexities and Solar Flare strength.
43 Aabha Monga	Partial eruption of a bifurcated solar filament structure
44 Prantika Bhowmik	Formation and Evolution of Magnetic Flux Ropes During Solar Minimum
45 Manu Gupta	Magnetic Helicity Modeling in Solar Flares
46 Safna Banu.K	Flare induced coronal waves and oscillations
47 Wageesh Mishra	Modeling the Thermodynamic Evolution of Coronal Mass Ejections
48 Devojoyoti Kansabanik	A detailed study of a Coronal Mass Ejection observed using the Murchison Widefield Array
49 Aveek Sarkar (on behalf of the XSM team)	X-ray Spectroscopy of the Sun with Chandrayaan-2 Solar X-ray Monitor (XSM): Initial Results
50 Arnab Basak	Solar wind interactions with the Earth's magnetosphere
51 Urmila Mitra-Kraev	Case study of a solar microflare

#### Session 5 - Origin and Acceleration of the Solar Wind

1 Su-Chan Bong	2019 Total Solar Eclipse Expedition of KASI
2 Ankita Vashishtha	Lunar Regolith as an Effective Shielding from Solar Wind
3 Himaben Patel	Origin and Acceleration of Solar Wind

#### Session 6 - Big Data Challenges for Solar Physics

1 Jaidev Sharma	Altitudinal variation of coronal rotation as seen in AIA observations onboard SDO space mission
2 Shilpi Bhunia	A blind survey of the solar data from the Murchison Widefield Array
3 Dattaraj Dhuri	Machine learning reveals systematic accumulation of electric current in lead-up to solar flares