

## Day 1 – 26<sup>th</sup> Feb 2028 (Solar and Space Weather – 1)

| PS-3 - List of accepted abstracts for Poster Presentation |                           |   |   |                              |
|---|---------------------------|---|---|------------------------------|
| Abstract ID   | Name                      | Affiliation   | Title   | Email Id                     |
| PS3-P-002<br>Day 1 -1                                     | Kavita Sharma             | Department of Physics, C.C.S. University, Meerut  | Forecasting Maximum Amplitude and Timing of Solar Cycle 25 Using Geomagnetic Precursor Technique                      | sharmak29@gmail.com          |
| PS3-P-003<br>Day 1 -2                                     | Anshu Kumari              | 1NASA Goddard Space Flight Center, 2The Catholic University of America, 3University of Helsinki   | Probing Particle Acceleration in Solar Energetic Particle Events through Radio Observations                           | anshusingh628@gmail.com      |
| PS3-P-008<br>Day 1 -3                                     | Dr. Pramod Kumar          | 1. S. S. Jain Subodh P.G. College, Jaipur (Rajasthan)-302004, 2. Space Physics Laboratory, VSSC, ISRO, Trivandrum (Kerala)-695022   | Velocity and Dissipation Characteristics of Solar flare Turbulence  | prajohns@gmail.com           |
| PS3-P-011<br>Day 1 -4                                     | Dr. Omkar Prasad Tripathi | Department of Physics, AKS University Satna (M.P.), India   | Statistical Analysis of Solar Cycle 24 and Peak Prediction of Solar Cycle 25  | omkar8415@gmail.com          |
| PS3-P-012<br>Day 1 -5                                     | Disha Varshney            | Plasma Astrophysics Research Laboratory Department of Physics Institute of Science Banaras Hindu University Varanasi 221005, India  | Formation of Solar Spicules and Heating of Solar Atmosphere Due to More General Disturbances in the Solar Photosphere | dishavarshney2@gmail.com     |
| PS3-P-014<br>Day 1 -6                                     | Usha G                    | Scientist URSC, ISRO  | Space plasma interaction with solar panels  | ushaiitm@ursc.gov.in         |
| PS3-P-018<br>Day 1 -7                                     | Annu                      | Indian Institute of Astrophysics  | Investigating the Formation and Dynamics of Unresolved Fine Structure Loops in the Solar Atmosphere                   | annu.bura@iiap.res.in        |
| PS3-P-022<br>Day 1 -8                                     | Aakash Gupta              | Physical Research Laboratory, Indian Institute of Technology Gandhinagar  | Variations of proton (H <sup>+</sup> ) and alpha particle (He <sup>2+</sup> ) temperatures in the solar wind.         | aakashgupta.du@gmail.com     |
| PS3-P-023<br>Day 1 -9                                     | Sunit Sundar Pradhan      | Indian Institute of Astrophysics  | Signal-to-Noise Analysis for the Continuum Channel of the VELC  | sunit.pradhan@iiap.res.in    |
| PS3-P-025<br>Day 1 -10                                    | Ramesh Krishna B          | 1Department of Physics, Bangalore University, Bengaluru – 560056; 2Indian Centre for Space Physics (ICSP), Kolkata 700099   | Spearman correlation between X-class flare and VLF signals  | rameshkrishna.assr@gmail.com |
| PS3-P-027<br>Day 1 -11                                    | Dr. Hitaishi Bhatt        | 1 Dept. of Physics, M. B. Patel Science College, Anand-388001, India. 2 Physical Research Laboratory, Ahmedabad-380009, India. 3 SERF, Ahmedabad-380021, India  | Time-based variation of fractal dimension for 10.7 cm radio flux for the period of 1952-2022                          | hitaishibhatt6@gmail.com     |
| PS3-P-029<br>Day 1 -12                                    | Patel Binal Dineshkumar   | 1Physical Research Laboratory, India; 2Indian Institute of Technology, Gandhinagar, India; 3Space Science Division, Korea Astronomy and Space Science Institute, Daejeon, Republic of Korea; 4Department of Astronomy and Space Science, University of Science and Technology, Daejeon, Republic of Korea; 5National Institute of Information and Communications Technology, Tokyo, Japan; 6School of Space Research, Kyung Hee University, Yongin, Republic of Korea | Physical connection between the near-Sun CMEs and near-Earth ICMEs  | binalmsu1995@gmail.com       |
| PS3-P-034<br>Day 1 -13                                    | Gauri Richharia           | AKS University, Satna (M.P.) India  | Analysis of Solar Radio Type II Bursts and Space Weather Consequences during Solar Cycle 24                           | gauri.richharia@gmail.com    |
| PS3-P-039<br>Day 1 -14                                    | Kaushlendra Kumar Kaushal | URSC(ISRO)  | Precision control of Linear Scan Mechanism for VELC payload of Aditya-L1 mission                                      | kaushal@ursc.gov.in          |
| PS3-P-044<br>Day 1 -15                                    | Jithu J Athalathil        | 1Department of Astronomy Astrophysics and Space Engineering, Indian Institute of Technology Indore, 2Department of Physics, University of Bath  | Surface Flux Transport Modelling Using Physics-Informed Neural Networks.  | phd2201121002@iiti.ac.in     |
| PS3-P-046<br>Day 1 -16                                    | Dr. Anusha L. S.          | Indian Institute of Astrophysics, Koramangala 2nd block, Bengaluru  | Dynamical Evolution of the Solar Atmosphere   | anusha.ls@iiap.res.in        |
| PS3-P-049<br>Day 1 -17                                    | Richa Halder              | 1. Indian Institute of Science Education and Research Kolkata, India 2. School of Arts & Sciences, The University of Tokyo, Japan   | Magnetohydrodynamical simulation of stellar parameters to understand coronal heating and stellar wind acceleration    | rh20ms112@iiserkol.ac.in     |

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|-------------------------------|---------------------------|--|--|-------------------------------|
| PS3-P-052<br><b>Day 1 -18</b> | B.S. Bharath Saiguhan     | Physical Research Laboratory, Ahmedabad, Gujarat, India  | Solar Flare Statistics with Chandrayaan-2 XSM  | bsg@prl.res.in                |
| PS3-P-058<br><b>Day 1 -19</b> | Hitaishi Bhatt            | 1. Dept. of Physics, M. B. Patel Science College, Anand-388001, India. 2 SERF, Ahmedabad-380021, India 3 Tolani Arts & Science College, Adipur, Kachhchh-370205, India   | Time-based variation of fractal dimension for 10.7 cm radio flux for the period of 1952-2022   | hitaishibhatt6@gmail.com      |
| PS3-P-060<br><b>Day 1 -20</b> | Kalpesh Ghag              | 1 Department of Physics, University of Mumbai, Vidyanageri, Santacruz (E), Mumbai 400098, India 2 Space Physics Laboratory, Vikram Sarabhai Space Centre, ISRO, Thiruvananthapuram 695022, Kerala, India 3 Space Sciences Laboratory, University of California, Berkeley, CA 94720, USA            | Multi-event study of quasi-stable and thin current sheet in ICME sheath.   | kalpesh.ghag@physics.mu.ac.in |
| PS3-P-063<br><b>Day 1 -21</b> | monika mahajan            | Laboratory for Electro-Optics Systems – LEOS - ISRO, Peenya, Bangalore, Karnataka, India   | Fluxgate magnetometer on-board Aditya-L1 spacecraft  | monikamahajanisro@gmail.com   |
| PS3-P-067<br><b>Day 1 -22</b> | kunjaldave                | 1C U Shah University, Surendranagar, Gujarat, India; 2Department of Physics, Gujarat Arts & Science College, Ahmedabad, Gujarat, India; 3Department of Physics, Gujarat University, Ahmedabad, Gujarat, India  | Study of Halo CME on 22 September 2011 with In-Situ and DBM Parameters   | kunjaldave88@gmail.com        |
| PS3-P-069<br><b>Day 1 -23</b> | Munjiba M M               | 1. Manipal Centre for Natural Sciences (MCNS), Manipal Academy of Higher Education, Manipal - 576104, India. 2. Center for Space Plasma and Aeronomic Research, The University of Alabama in Huntsville, Huntsville, AL - 35899,USA. 3. NASA Marshall Space Flight Center, Huntsville - 35808, USA | Evolution of a Non-Flaring Active Region and its Impact on Solar Atmospheric Heating.  | munjibam@gmail.com            |
| PS3-P-071<br><b>Day 1 -24</b> | Remya Bhanu               | Indian Institute of Geomagnetism   | Energetic particle precipitation due to wave-particle interactions in the Earth's magnetosphere  | remya.bhanu@iigm.res.in       |
| PS3-P-074<br><b>Day 1 -25</b> | Manan Shah                | Physical Research Laboratory, Indian Institute of Science Education and Research, Pune   | Solar Wind Ion Spectrometer (SWIS) : A subsystem of ASPEX payload on-board Aditya-L1 – Configuration & Calibration Results                             | manans@prl.res.in             |
| PS3-P-076<br><b>Day 1 -26</b> | Dr. Girjesh R Gupta       | Udaipur Solar Observatory, Physical Research Laboratory, Udaipur 313001 India  | Heating of the whole solar atmosphere in an active region during the small-scale transient related to A-class flare                                    | girjesh@prl.res.in            |
| PS3-P-080<br><b>Day 1 -27</b> | Sunil Kumar. S            | Hindustan Institute of Technology and Science  | Unveiling Solar Dynamics through Advanced Helioseismology and predicting the Formation of sunspots.  | sunilsankar1969@gmail.com     |
| PS3-P-086<br><b>Day 1 -28</b> | Govind G. Nampoothiri     | Space Physics Laboratory, Vikram Sarabhai Space Centre, Thiruvananthapuram - 695 022, India  | Electron Velocity Distribution Functions and Non-equilibrium Boltzmann Entropy in the Solar Wind near 1 au during an ICME carrying two Magnetic Clouds | govindgn9@gmail.com           |
| PS3-P-088<br><b>Day 1 -29</b> | Ramit Bhattacharyya       | Physical Research Laboratory   | Solar coronal transients and their evolution   | ramit@prl.res.in              |
| PS3-P-089<br><b>Day 1 -30</b> | Dipali Vadher             | 1Sardar Vallabhbhai National Institute of Technology, 2Physical Research Laboratory  | Time Cascading of Switchbacks  | d21ph004@phy.svnit.ac.in      |
| PS3-P-090<br><b>Day 1 -31</b> | Asif Mohamed Mandayapuram | Space Applications Centre, Physical Research Laboratory  | Time evolution of elemental abundances during solar flares using X-ray observations from DAXSS   | asifmp97@gmail.com            |
| PS3-P-095<br><b>Day 1 -32</b> | Manan Shah                | 1Physical Research Laboratory, Ahmedabad, India 2Indian Institute of Science Education and Research, Pune, India   | Instrument configuration, on-board performance and initial observations from ASPEX-SWIS on-board Aditya-L1   | manans@prl.res.in             |
| PS3-P-098<br><b>Day 1 -33</b> | Kushagra Upadhyay         | Udaipur Solar Observatory, Physical Research Laboratory, Udaipur 313 001, Rajasthan, India   | Origin of solar radio bursts: Exploring Udaipur-CALLISTO observations  | kushagra@prl.res.in           |

## Day 2 – 27<sup>th</sup> Feb 2028 (Lunar)

| <b>PS-3 (Solar and Planetary Sciences) - List of accepted abstracts for Poster Presentation</b> |                             |  |  |   |
|---|-----------------------------|--|--|---|
| <b>Abstract ID</b>  | <b>Name</b>                 | <b>Affiliation</b>   | <b>Title</b>   | <b>Email Id</b>                               |
| PS3-P-005<br>Day 2 -1   | Antariksha Mitra            | Physical Research Laboratory   | Electrostatic Characteristics of Rock-Ice Mixtures and Detection of Ice on Lunar Sub-surface   | antarikshamitra@prl.res.in                    |
| PS3-P-006<br>Day 2 -2   | Antariksha Mitra            | Physical Research Laboratory   | Volatile Migration on the Lunar Surface  | antarikshamitra@prl.res.in                    |
| PS3-P-010<br>Day 2 -3   | Trinesh Sana                | (1) Physical Research Laboratory, Ahmedabad, 380009, India, (2) Indian Institute of Technology, Gandhinagar, 382055, India   | Probing The Lunar Photoelectrons   | sanatrinesh@gmail.com                         |
| PS3-P-013<br>Day 2 -4   | KIMI KHUNGREE<br>BASUMATARY | Planetary Sciences Division, Physical Research Laboratory, Ahmedabad, India  | Insights into Lunar Compressional Features: Wrinkle Ridges & Lobate Scarps   | khungree@prl.res.in                           |
| PS3-P-019<br>Day 2 -5   | Siddhi Amar Salokhe         | Dayananda Sagar University, Bangalore  | Geology of the Moon  | siddhisalokhe.2002@gmail.com                  |
| PS3-P-024<br>Day 2 -6   | Rohit Nagori                | Space Applications Centre, ISRO  | Identification of Anomalous Photometric Features over Lunar Surface using Phase Ratio method on Terrain Mapping Camera data                            | rohitnagori                                   |
| PS3-P-028<br>Day 2 -7   | Eaineesh Pundir             | Punjab Remote Sensing Centre   | Mineralogical Insights of the Lunar Near-Side Krafft Crater Utilizing Hyperspectral Data Cubes   | eaineesh@gmail.com                            |
| PS3-P-030<br>Day 2 -8   | Deepak Kumar Painkra        | Physical Research Laboratory, Ahmedabad  | Characterization of Cerium Bromide (CeBr <sub>3</sub> ) and Silicon Photomultiplier (SiPM) based gamma-ray spectrometer for upcoming ISRO-JAXA Mission | deepakp@prl.res.in                            |
| PS3-P-031<br>Day 2 -9   | Arya Nandakumar             | Department of Geology, University of Kerala, Thiruvananthapuram-695581, Kerala, India  | Development of a toolkit to evaluate the spallation expanse of fresh craters on the lunar surface  | aryaharitham@gmail.com                        |
| PS3-P-032<br>Day 2 -10  | Shruti Sinha                | Department of Earth Sciences, Indian Institute of Technology Kanpur  | Modeling the Mobility of Impact Melt   | shrutis21@iitk.ac.in                          |
| PS3-P-038<br>Day 2 -11  | Rishitosh Kumar Sinha       | Physical Research Laboratory, Ahmedabad  | Geological Mapping of Landing Site of Chandrayaan-3 Mission: Implications for Chronological History and Provenance of Materials                        | rishitosh@prl.res.in                          |
| PS3-P-041<br>Day 2 -12  | Dibyendu Misra              | Physical Research Laboratory, Ahmedabad-380009, India; Indian Institute of Technology Gandhinagar, Gandhinagar-382055, India; Department of Earth Sciences, Indian Institute of Technology, Roorkee, Roorkee-247667, India; Centre for Space Science and Technology, Indian Institute of Technology, Roorkee, Roorkee-247667, India; Image Analysis Group, Dortmund University of Technology, Otto-Hahn-Str.4, 44227 Dortmund, Germany | Characterization of lunar dark mantle deposits around Aristarchus crater   | dibyendu@prl.res.in                           |
| PS3-P-045<br>Day 2 -13  | *Dr. K M Ambili             | Space Physics Laboratory, VSSC, ISRO   | THREE-DIMENSIONAL DISTRIBUTION OF SURFACE BOUND EXOSPHERE AND THE RESULTANT IONOSPHERE AT THE MOON   | ambilisadasivan@gmail.com                     |
| PS3-P-048<br>Day 2 -14  | Sachana Sathyan             | (1) Physical Research Laboratory, Ahmedabad-380059, (2) University of Kerala, Thiruvananthapuram-Kerala. 695581  | Dichotomy in OH/H <sub>2</sub> O distribution at lunar poles   | sachanasathyan22@gmail.com                    |
| PS3-P-049<br>Day 1 -17  | Richa Halder                | 1. Indian Institute of Science Education and Research Kolkata, India<br>2. School of Arts & Sciences, The University of Tokyo, Japan   | Magnetohydrodynamical simulation of stellar parameters to understand coronal heating and stellar wind acceleration                                     | rh20ms112@iiserkol.ac.in                      |
| PS3-P-050<br>Day 2 -15  | Abinaya Maraivalavan        | IISER Pune ; URSC, ISRO, Bengaluru   | Lunar Geochemical Characterisation with Multiwavelength Spectroscopy   | abinaya.maraivalavan@students.iiserpune.ac.in |
| PS3-P-068   | Kunal Thapar                | The Indian Institute of Technology, Indore   | Lunar surface crater detection using deep learning methods   | msc2203121009@iiti.ac.in                      |

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| Day 2 -16                  |                          |   |  |                                    |
| PS3-P-072<br>Day 2 -17     | Chandani Sahu            | National Institute of Technology, Raipur  | Investigation of Lunar Spinel using Imaging Infrared Spectrometer on board Chandrayaan 2   | csahu.phd2023.geo@nitrr.ac.in      |
| PS3-P-073<br>Day 2 -18     | Tamal Samaddar           | National Institute of Technology Raipur, Indian Institute of Remote Sensing Dehradun  | Presence of Hydration Features near Chandrayaan III landing site using Hyperspectral data from Imaging Infra-Red Spectrometer on-board Chandrayaan II                        | tsamaddar.phd2023.geo@nitrr.ac.in  |
| PS3-P-08<br>2<br>Day 2 -19 | Dr. Swastika Chakraborty | Narula Institute of Technology, Kolkata, West Bengal  | Isotopic Abundances of Xe from CHACE 2 -Chandrayaan 2 Orbiter Observation  | swastika1971@gmail.com             |
| PS3-P-09<br>1<br>Day 2 -20 | Nabamita Chaudhuri       | Pondicherry University  | Lunar Basalt Analysis near Lichtenberg Crater: M3 Insights and MGM Deconvolution   | nabamitach93@gmail.com             |
| PS3-P-09<br>2<br>Day 2 -21 | Suyash Sharma            | Pondicherry University  | Compositional Diversity of Manilius crater and surrounding region: Inferences from IIRS and M3 reflectance data  | ssharmaco07@gmail.com              |
| PS3-P-09<br>4<br>Day 2 -22 | Rishav Sahoo             | Physical Research Laboratory, Ahmedabad, Indian Institute of Technology Gandhinagar, Andhra University, Visakhapatnam, Gujarat University, Gujarat  | A relook at temperatures and thermal properties of lunar landing sites using remote and in-situ datasets   | rishavsahoo@gmail.com              |
| PS3-P-10<br>1<br>Day 2 -23 | Somnath Adak             | IIT Kanpur; U. R. Rao Satellite Centre, ISRO  | Exploring Lunar Basaltic Terrain using Elemental Maps from Orbital XRF Experiment of Chandrayaan 2   | adak.somnath@gmail.com             |
| PS3-P-10<br>2<br>Day 2 -24 | Vaishnavi Sharma         | Gujarat University  | Automatic Crater Detection and Classification using Machine Learning for Efficient Age Estimation of Lunar Surface   | vrsharma2003@gmail.com             |
| PS3-P-10<br>9<br>Day 2 -25 | Kalyan Reddy             | Physical Research Laboratory, Ahmedabad   | Understanding Lunar Surface Energy Balance: Insights from Stratigraphic Lab Studies  | kalyanreddy@prl.res.in             |
| PS3-P-110<br>Day 2 -26     | Sourav Mahato            | National Institute of Science Education and Research (HBNI), Bhubaneswar  | Thermal correction and spectral analysis of lunar hyperspectral data from Chandrayaan-1  | sourav.mahato@niser.ac.in          |
| PS3-P-111<br>Day 2 -27     | Shubham Magar            | Pondicherry University  | A new approach to constrain displacement-length ratios of lunar wrinkle ridges in the Lamont region of Mare Tranquillitatis  | magarshub01@gmail.com              |
| PS3-P-112<br>Day 2 -28     | Amisha Baiju             | Indian Institute of Science Education and Research (IISER) Tirupati, IIT Kanpur   | Geomorphological Mapping of Wiener F Crater: Understanding the Ejecta & Impact Melt Distribution in a Complex Setting  | amishabaiju@gmail.com              |
| PS3-P-113<br>Day 2 -29     | Sunil Kumar Behera       | School of Earth and Planetary Sciences, National Institute of Science Education and Research, NISER, HBNI, Jatni, 752050, Odisha  | Thermal and photometric correction of Chandrayaan-I M3 data to understand physical and chemical nature of OH/H <sub>2</sub> O.   | sunilbehera696@gmail.com           |
| PS3-P-115<br>Day 2 -30     | Satyendra Kumar          | Department of Space, Planetary & Astronomical Sciences & Engineering (SPASE), Indian Institute of Technology Kanpur, Kanpur, UP, 208016, Department of Earth Sciences, Indian Institute of Technology Kanpur, Kanpur, UP, 208016, Space Astronomy Group, U R Rao Satellite Centre, ISRO, Bengaluru, India | Elemental Abundance Variation with Age of Basaltic Units in Imbrium Basin on Moon using CLASS Elemental Maps   | sgeo365@gmail.com                  |
| PS3-P-117<br>Day 2 -31     | Marylina Das             | Department of Physics, Tripura University (A Central University), Suryamaninagar, Agartala, Tripura-799022, India   | Spectral insights into Lunar surface Mineralogy Changes: A comparative analysis of Chang'E Landing Sites using Moon Mineralogy Mapper and Imaging Infrared Spectrometer Data | marylina.physics@tripurauniv.ac.in |
| PS3-P-119<br>Day 2 -32     | Subhajit Chakraborty     | Department of Earth Sciences, Indian Institute of Technology, Kanpur, UP-208016, India  | Factors Controlling Elemental and Isotopic Signatures of Zinc in Lunar Basalts   | csubhajit101@gmail.com             |

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|----------------------------|---------------------|---|--|--------------------------|
| PS3-P-12<br>3<br>Day 2 -33 | Srirag Nambiar      | Physical Research Laboratory  | Estimation Of Dust Flux Measurement By Dust Experiment (DEX)   | srirag@prl.res.in        |
| PS3-P-12<br>6<br>Day 2 -34 | Krishangi Kashyap   | Department of Astronomy, Astrophysics and Space Engineering, Indian Institute of Technology, Indore                           | Surface and Subsurface Regolith Characterization of Lunar South Pole using Chandrayaan-2 Dual-frequency Synthetic Aperture Radar (DFSAR) | msc2203121006@iiti.ac.in |
| PS3-P-12<br>7<br>Day 2 -35 | Dr. K. Durga Prasad | Physical Research Laboratory, Ahmedabad   | COVID-19 global lockdown affects our Moon  | durgaprasad@prl.res.in   |
| PS3-P-12<br>9<br>Day 2 -36 | Niveditha C V       | School of Earth and Planetary Science, National Institute of Science Education and Research, HBNI, Jatni, Bhubaneswar, Odisha | ISIS software interface development for Chandrayaan-2 IIRS data  | niveditha.cv@niser.ac.in |

**Day 3 – 28<sup>th</sup> Feb 2028 (Lunar)**

| <b>PS-3 (Solar and Planetary Sciences) - List of accepted abstracts for Poster Presentation</b> |  |   |  |                                 |
|---|--|---|--|---------------------------------|
| <b>Abstract ID</b>  | <b>Name</b>                              | <b>Affiliation</b>  | <b>Title</b>   | <b>Email Id</b>                 |
| PS3-P-004<br><b>Day 3 -1</b>  | THAHIRA U                                | 1 Department of Remote Sensing, Bharathidasan University, Trichy.<br>2 Department of Geoinformatics, Anna University, Chennai<br>3 Planetary Sciences Division, Physical Research Laboratory, Ahmedabad                     | Chryse Planitia, South-western rim, Mars: A potential landing site   | thahiraumar2002@gmail.com       |
| PS3-P-007<br><b>Day 3 -2</b>  | Vijayan S                                | 1 Planetary Sciences Division, Physical Research Laboratory, Ahmedabad<br>2 Department of Remote Sensing, Bharathidasan University, Trichy<br>3 Institute of Remote Sensing, Anna University, Chennai                       | Mars: Catastrophic floods and rapid snow melts   | vijayansiva@gmail.com           |
| PS3-P-009<br><b>Day 3 -3</b>  | Anirban Mandal                           | National Institute of Technology Rourkela   | An insight into the bedform migration on Mars: results from three tropical craters   | anirbanm0101@gmail.com          |
| PS3-P-016<br><b>Day 3 -4</b>  | Aditi R                                  | 1 - Department of Geoinformatics, Anna University, Chennai, 2 - Department of Remote Sensing, Bharathidasan University, Trichy, 3 - Planetary Sciences Division, Physical Research Laboratory, Ahmedabad                    | Huo Hsing Vallis, Mars: Multiple floods and preserved sediments  | raditi2002@gmail.com            |
| PS3-P-020<br><b>Day 3 -5</b>  | Prathmesh Chougule                       | Indian Institute of Geomagnetism  | Investigation of spatial electron density structures in the Martian ionosphere   | prathmesh.chougule.14@gmail.com |
| PS3-P-035<br><b>Day 3 -6</b>  | Satadru Bhattacharya                     | Planetary Sciences Division, Space Applications Centre (ISRO) Ahmedabad – 380 015 (Gujarat), India  | Spectroscopic studies of jarosite from different geological settings across India and its implications for constraining jarosite formation on Mars | bhattacharya.satadru@gmail.com  |
| PS3-P-036<br><b>Day 3 -7</b>  | Prajwal Yash                             | U. R. Rao Satellite Centre, Indian Space Research Organization  | Analysing the Impact of Dust Deposition on Martian Solar Arrays: Insights for Strategic Mission Planning   | prajjwal@urisc.gov.in           |
| PS3-P-037<br><b>Day 3 -8</b>  | CHINMAYA NAYAK                           | Indian Institute of Geomagnetism, George Mason University, Indian Institute of Geomagnetism, Indian Institute of Geomagnetism, Indian Institute of Geomagnetism, Indian Institute of Geomagnetism                           | Anomalous Distribution of Ionospheric Electron Density over the Martian Crustal Fields: Insight from Multi-year MAVEN Observations                 | chinmaya.n@iigm.res.in          |
| PS3-P-042<br><b>Day 3 -9</b>  | Nirmala Jain                             | National Remote Sensing Centre, ISRO  | Hellas Planitia, Mars as a potential site for volcanic and sedimentary deposits  | nimajain30@gmail.com            |
| PS3-P-047<br><b>Day 3 -10</b>   | Anil Chavan                              | 1 Planetary Sciences Division, Physical Research Laboratory, Ahmedabad, India   | Volcano-tectonic and glacio-fluvial interplay on Mars: insights from geomorphic landforms in Syria Planum  | asac.anil@gmail.com             |
| PS3-P-051<br><b>Day 3 -11</b>   | HIRAL P B                                | Department of Geology, University of Kerala, Kariavattom P.O., Thiruvananthapuram-695581, Kerala  | Sequels of the evolutionary history of Morella crater, Mars  | pbhiral@gmail.com               |
| PS3-P-053<br><b>Day 3 -12</b>   | Pavan D Gramapurohit                     | National Atmospheric Research Laboratory, Gadanki, India  | Suprathermal electron depletions in the Martian nightside upper atmosphere: Role of magnetic field topology and induced magnetic fields            | pavandgp@gmail.com              |
| PS3-P-054<br><b>Day 3 -13</b>   | V Venkataraman                           | Space Physics Laboratory, VSSC  | Investigation of ion energisation at ionospheric altitudes during the passage of a stealth CME   | v.venkataraman@gmail.com        |
| PS3-P-064<br><b>Day 3 -14</b>   | Chinmay Shahi                            | Delhi Technological University, Department of Remote Sensing, Bharathidasan University, Trichy, Department of Geoinformatics, Anna University, Chennai, Planetary Science Division, Physical Research Laboratory, Ahmedabad | Belva Crater, Mars: Coordinated analysis from Perseverance and HiRISE images   | chinmayshahi007@gmail.com       |
| PS3-P-084<br><b>Day 3 -15</b>   | S. C. Chakravarty 1 and Kamsali Nagaraja | Indian Centre for Space Physics (ICSP), Kolkata 700099,<br>2 Department of Physics, Bangalore University, Bengaluru 560056,   | 'Martian Atmospheric Models (0-300 km)'  | chakravartysubhas@gmail.com     |
| PS3-P-085<br><b>Day 3 -16</b>   | N V Rao                                  | 1 National Atmospheric Research Laboratory, Gadanki, India<br>2 NSSTC, UAE University, P.O. Box 15551, Al Ain, United Arab Emirates   | Exobase and homopause altitudes in the Martian upper atmosphere: variabilities and sources   | nvrao@narl.gov.in               |
| PS3-P-099   | Sankalp Srivastava                       | Indian Institute of Astrophysics, II Block Koramangala, Bengaluru-560034, India ; University of Newcastle, Newcastle, Australia   | The relation between solar spicules and magneto hydrodynamic shocks  | sankalp.srivastava@iiap.res.in  |

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| <b>Day 3 -17</b>                        |                                       |  |  |  |
| PS3-P-100<br><b>Day 3 -18</b>           | Kushagra Upadhyay                     | Udaipur Solar Observatory, Physical Research Laboratory, Udaipur<br>313 001, Rajasthan, India  | Origin of solar radio bursts: Exploring Udaipur-CALLISTO observations  | kushagra@prl.res.in  |
| PS3-P-104<br><b>Day 3 -19</b>           | Dr. Hitaishi Bhatt & Dr. Niraj Pandya | 1. Dept. of Physics, M. B. Patel Science College, Anand-388001, India. 2. SERF, Ahmedabad-380021, India 3. Dept. of Physics, Tolani Arts & Science College, Adipur, Kachhchh-370205, India   | Time-based variation of fractal dimension for 10.7 cm radio flux for the period of 1952-2022                             | hitaishibhatt6@gmail.com   |
| PS3-P-106<br><b>Day 3 -20</b>           | KARAN SAHU                            | 1Department of Physics and Astronomy, National Institute of Technology, Rourkela - 769008,India 2National Atmospheric Research Laboratory, Gadanki, India 3Astronomy & Astrophysics Division, Physical Research Laboratory, Navrangpura, Ahmedabad, India. 4Institute for Space-Earth Environmental Research, Nagoya, Japan 5 Space & Atmospheric Science Division, Physical Research Laboratory, Navrangpura, Ahmedabad, India. | Prolonged and Extremely Non-radial Solar Wind Flows  | ksahu522ph1003@gmail.com   |
| PS3-P-107<br><b>Day 3 -21</b>           | Sankarasubramanian, K                 | U R Rao Satellite Centre, ISRO, Bengaluru  | Solar Flare Catalogue using XSM on-board Chandrayaan-3   | sankark@urisc.gov.in   |
| PS3-P-116<br><b>Day 3 -22</b>           | Dr. Rashmi Patowary                   | Digboi College, Digboi, Assam-786171   | Latitudinal Variation of F2 region response to geomagnetic storms  | rashmi68patowary@gmail.com   |
| PS3-P-121<br><b>Day 3 -23</b>           | Mahendar kumar B                      | MVJ COLLEGE OF ENGINEERING - VTU(Visvesvaraya Technological University – BANGLORE  | Development of Radio Telescope for Observation of Sun's Chromosphere.  | mahendarmahi4050@gmail.com   |
| PS3-P-122<br><b>Day 3 -24</b>           | Anant Dikshit                         | IIRS,ISRO  | Spatial and Temporal variability of near-surface relative humidity on Mars for MY34-35                                   | anant.dexter22@gmail.com   |
| PS3-P-124<br><b>Day 3 -25</b>           | Ramesh Chandra                        | Kumaun University, Nainital  | Extreme Ultraviolet (EUV) Wave Event on 2019 May 06  | rchandra.ntl@gmail.com   |
| PS3-P-125<br><b>Day 3 -26</b>           | Saurabh das                           | IIT Indore   | Interpretable ML-Based Forecasting of CMEs Associated with Flares  | phd1901121008@iiti.ac.in   |
| PS3-P-128<br><b>Day 3 -27</b>           | Mayank Rajput                         | 1. Dept. of Physics and Astronomy, National Institute of Technology, Rourkela 769008, India 2. Astronomy and Astrophysics Division, Physical Research Laboratory, Ahmedabad 380009   | Metric Type II radio emissions associated with Coronal Mass Ejections: Some insights to a coronal electron density model | 521ph1012@nitrrkl.ac.in  |
| PS3-P-130<br><b>Day 3 -28</b>           | Balveer Singh                         | Aryabhata Research Institute of Observational Sciences, Manora peak, Nainital 263001, India  | Dynamics of cool loop in the solar atmosphere  | singhbalveer37@gmail.com   |
| PS3-P-131<br><b>Day 3 -29</b>           | Utkarsh Sharma                        | University of Mumbai   | Investigating Polytopic Index Variations in Magnetic Clouds and Non-Magnetic Cloud A Comprehensive Analysis              | utkarshsharma202021@gmail.com  |
| PS3-P-132<br><b>Day 3 -30</b>           | Sachit Upadhyay                       | University of Mumbai   | Superposed Epoch Analysis of Energetic Particles at ICME Shock   | upadhyaysachit@gmail.com   |
| PS3-P-133<br><b>Day 3 -31</b>           | Pooja Devi                            | 1Department of Physics, DSB Campus, Kumaun University, Nainital 2Department of Physics, Patna University, Patna 800005 3Institute of Theoretical Astrophysics, University of Oslo, Norway 4LESIA, Observatoire de Paris, Meudon Principal Cedex, France 5Centre for mathematical Plasma Astrophysics, Dept. of Mathematics, KU Leuven, Belgium   | Solar jet ejection from bipolar active region: SDO and IRIS observations   | <a href="mailto:setiapooja.ps@gmail.com">setiapooja.ps@gmail.com</a> |
| PS3-O-030<br>Poster<br><b>Day 3 -32</b> | Smitha V. Thampi                      | 1. Space Physics Laboratory, Vikram Sarabhai Space Centre, Trivandrum 2. Indian Institute of Technology, Indore  | Analysis of the prediction of Solar wind velocity at Earth and Mars using a WSA-HUXt-CONE based model                    | smitha.v.thampi@gmail.com  |

## Day 4 – 29<sup>th</sup> Feb 2028 (Mars, Jupiter, and Other Planets)

| <b>PS-3 (Solar and Planetary Sciences) - List of accepted abstracts for Poster Presentation</b> |                         |  |  |                               |
|---|-------------------------|--|--|-------------------------------|
| <b>Abstract ID</b>  | <b>Name</b>             | <b>Affiliation</b>   | <b>Title</b>   | <b>Email Id</b>               |
| PS3-P-001<br><b>Day 4-1</b>   | Rajat Saxena            | Savitribai Phule Pune University   | Analysis of Planetary and Lunar Parameters Across Earth, Mars, Jupiter, and Saturn   | rajatsaxena314@gmail.com      |
| PS3-P-015<br><b>Day 4-2</b>   | Pasagadgu Sion Kumari   | 1. CSIR-National Geophysical Research Institute, Hyderabad. 2. Academy of Scientific and Innovative Research, Ghaziabad.   | Ambient Noise Tomography Reveals Asymmetric Impact Damage Zone Beneath Lonar Crater, India: Implications for Oblique Impact Cratering in Heterogeneous Basalt with Planetary Applications            | sion.ngri19a@acsir.res.in     |
| PS3-P-017<br><b>Day 4-3</b>   | Dipak Kumar Panda       | Scientist  | Mineralogical and Noble gas Isotope studies in Chondrules  | pdipak@prl.res.in             |
| PS3-P-021<br><b>Day 4-4</b>   | Bipasha jadhav          | Indian Institute of Technology Kanpur  | Morphological Analysis of Hollows in Impact Craters on Mercury   | bipashaj20@iitk.ac.in         |
| PS3-P-026<br><b>Day 4-5</b>   | GARIMA ARORA            | PHYSICAL RESEARCH LABORATORY   | Chemical dating to decode the timing of asteroid impact: a future planetary exploratory tool   | garima23arora@gmail.com       |
| PS3-P-033<br><b>Day 4-6</b>   | Hariharan V K           | ISRO   | ASTROSAT TO ADITYA-L1: PAYLOADS ACCOMMODATION & RF COMPATIBILITY IN SCIENTIFIC MISSION SATELLITES  | vkhariharanisro@gmail.com     |
| PS3-P-040<br><b>Day 4-7</b>   | Manoj R                 | VSSC/ ISRO Thiruvananthapuram  | Development of Spectral LED Solar Simulator for Space Applications   | manoj_adtg@vssc.gov.in        |
| PS3-P-043<br><b>Day 4-8</b>   | Vikram KVNG             | Planetary Sciences Division, Space Applications Centre (ISRO), Ahmedabad – 380 015   | Characterization of alunite from the Puga hot springs, Ladakh (UT), India at different temperatures: Implications for future IR-spectroscopy of altered Venusian basalts and astrobiological studies | k.v.n.g.vikram@gmail.com      |
| PS3-P-055<br><b>Day 4-9</b>   | Kanak Bramhanand Sharma | 1 Mumbai University, Mumbai-400007 2 Physical Research Laboratory (PRL), Ahmedabad-380009  | Unravelling the Survival Strategies of Microorganisms from the Rann of Kutch in Simulated Martian Environments: An Astrobiological Approach  | kanakpvt.astropaleo@gmail.com |
| PS3-P-056<br><b>Day 4-10</b>  | SATYAVIR SINGH          | Indian Institute of Geomagnetism   | Resonant instability of kinetic Alfvén waves driven by ion beam and velocity shear: A comparative study  | SATYAVIR.S@IIGM.RES.IN        |
| PS3-P-057<br><b>Day 4-11</b>  | Shehzade M K            | National Institute of Science Education and Research Bhubaneswar P.O. Jatni, Khurda 752050, Odisha, India . Planetary Sciences Division, Physical Research Laboratory, Ahmedabad, Gujarat, India, 380009 | Neon composition Study in bulk Carbonaceous Chondrites   | manzoor.khan@niser.ac.in      |
| PS3-P-059<br><b>Day 4-12</b>  | GARIMA ARORA            | PHYSICAL RESEARCH LABORATORY   | Possible meteorite-Asteroid linkage as seen in a recent fall   | garima23arora@gmail.com       |
| PS3-P-061<br><b>Day 4-13</b>  | Shreeya Natrajan        | Physical Research Laboratory, Ahmedabad  | Cosmic Clues: The Story of Abiotic Organics in Meteorites  | shreeya@prl.res.in            |
| PS3-P-062<br><b>Day 4-14</b>  | Ramakant R. Mahajan     | Physical Research Laboratory, Ahmedabad  | Trapped nitrogen in Ordinary chondrites  | ramakant@prl.res.in           |
| PS3-P-065<br><b>Day 4-15</b>  | Neha                    | 1Physical Research Laboratory, Navrangnpura, Ahmedabad380009   | Organic Diversity in Differentiated Bodies: Unveiling Indigenous Origins and Impact Dynamics   | nehaprl@prl.res.in            |
| PS3-P-066<br><b>Day 4-16</b>  | Advait Unnithan         | Physical Research Laboratory, Ahmedabad, India   | Harmonizing Short-Lived Radionuclide Abundances in 2 Million Year Old Protoplanetary Disks: A Multifaceted Exploration   | advait@prl.res.in             |
| PS3-P-070<br><b>Day 4-17</b>  | kuljeet                 | Physical Research Laboratory   | Addressing the isotopic dichotomy in the protoplanetary disk by analyses of Itokawa asteroidal grain   | kkmarhas@prl.res.in           |
| PS3-P-075<br><b>Day 4-18</b>  | Vijay Pratap Singh      | (1) National Institute of Oceanography (Council of Scientific and Industrial Research), Dona Paula, Goa 403004, India. (2) Academy of Scientific and Innovative Research (AcSIR), Ghaziabad 201002,      | Dependency on precursor composition and atmospheric entry parameters in textural evolution of cosmic spherules   | vijaypratap865@gmail.com      |



|                               |                      | India  |  |                                   |
|-------------------------------|----------------------|--|--|-----------------------------------|
| PS3-P-077<br><b>Day 4-19</b>  | Ankit Prakash Singh  | Physical Research Laboratory, Space Applications Centre  | Insights into Carbonaceous Chondrites Origins: Correlating Main-Belt Asteroid Spectra with $\mu$ -FTIR Spectra of CV3 Chondrites     | ankitprakash@prl.res.in           |
| PS3-P-078<br><b>Day 4-20</b>  | Chaithra P           | 1Department of Physics, Bangalore University, Bengaluru – 560056;<br>2Indian Centre for Space Physics (ICSP), Kolkata – 700099   | TEC responses to annular solar eclipse over low latitude Indian region   | chaithra.assrphy7@gmail.com       |
| PS3-P-079<br><b>Day 4-21</b>  | Amrutha              | (1) Indian Institute of Geomagnetism, Navi Mumbai, 410218, India,<br>(2) Space Sciences Laboratory, University of California, CA, 94720, USA, (3) Retired, Vashi, Navi Mumbai, 400703, India.  | Resonant and Non-resonant Instabilities of Magnetosonic Waves in the Earth's Magnetosphere   | amrutha.p@iigm.res.in             |
| PS3-P-080<br><b>Day 1 -27</b> | Sunil Kumar. S       | Hindustan Institute of Technology and Science  | Unveiling Solar Dynamics through Advanced Helioseismology and predicting the Formation of sunspots.                                  | sunilsankar1969@gmail.com         |
| PS3-P-081<br><b>Day 4-22</b>  | Roshan Adarsh Shukla | Indian Institute of Technology Kanpur  | Studying the nature of central peaks in complex craters on Mercury   | roshanadarshshukla@gmail.com      |
| PS3-P-083<br><b>Day 4-23</b>  | Anu Sreedevi         | (1)Indian Institute of Technology (BHU) Varanasi, (2) Southwest Research Institute , Boulder (3)Aryabhata Research Institute of Observational Sciences, Nainital   | A Study on Bipolar Magnetic Regions using AutoTAB  | anubsreedevi.rs.phy20@itbhu.ac.in |
| PS3-P-087<br><b>Day 4-24</b>  | Avadh Kumar          | Scientific Assistant   | Ejection Age history based on CRE age and Noble Gases Study of Ordinary Chondrites Devgaon   | avadh@prl.res.in                  |
| PS3-P-093<br><b>Day 4-25</b>  | Yoshita Baruah       | 1 Department of Physical Sciences, Indian Institute of Science Education and Research Kolkata, Mohanpur 741246, West Bengal, India; 2 Center of Excellence in Space Sciences India, Indian Institute of Science Education and Research Kolkata, Mohanpur 741246, West Bengal, India; 3 Outermet Technology (OPC) Private Limited, Kolkata 700019, West Bengal, India; 4 Predictive Science Inc., San Diego, CA 92121, USA; 5 Heliophysics Science Division, NASA Goddard Space Flight Center, Greenbelt, MD 20771, USA; 6 Department of Physics and Astronomy, George Mason University, Fairfax, VA 22030, USA; 7 Goddard Planetary Heliophysics Institute, University of Maryland, Baltimore, MD 21250, USA | A SUN TO EARTH ANALYSIS OF THE GEOMAGNETIC STORM THAT LED TO THE LOSS OF THE STARLINK SATELLITES IN FEBRUARY 2022                    | yb19ip016@iiserkol.ac.in          |
| PS3-P-096<br><b>Day 4-26</b>  | Mohammad Arif        | Birbal Sahni Institute of Palaeosciences, 53 University Road, Lucknow, India   | Rock magnetism of the sedimentary target rocks from the Ramgarh Crater: Implications for impact-related magnetic shock signatures    | mdarifkrl@gmail.com               |
| PS3-P-097<br><b>Day 4-27</b>  | Dr Kuldeep Negi      | UR Rao Satellite Centre, ISRO  | Halo Orbit Generation and Maintenance in Elliptic Restricted Three Body Problem using Differential Evolution Optimization            | negi.kuldeep@gmail.com            |
| PS3-P-103<br><b>Day 4-28</b>  | Kalpna Singh Verma   | Research Scholar; Assistant Professor; Professor   | CHEMICAL INVESTIGATION OF THE DERGAON ORDINARY CHONDRITE WITH IMPLICATIONS FOR THE FORMATION OF EARLY SOLIDS IN THE SOLAR SYSTEM     | ksinghverma@es.iitr.ac.in         |
| PS3-P-105<br><b>Day 4-29</b>  | Aravind K            | Physical Research Laboratory, Ahmedabad  | Advancing Our Understanding of Cometary Bodies through Spectroscopic and Polarimetric Studies: A Case for Space-Based Missions       | aravind139@gmail.com              |
| PS3-P-108<br><b>Day 4-30</b>  | Yash Srivastava      | (1) Physical Research Laboratory, Ahmedabad; (2) Indian Institute of Technology Gandhinagar  | Insights into thermal evolution of Aubrite parent body from a recent fall meteorite Rantila  | yashsrivastava801@gmail.com       |
| PS3-P-114<br><b>Day 4-31</b>  | Sana Ahmed           | Planetary Sciences Division, Physical Research Laboratory, Ahmedabad 380009  | Probing the Ion Chemistry in the Coma of Comet 67P/C-G and Insights from Rosetta/ROSINA  | ahmed.sana92@gmail.com            |
| PS3-P-118<br><b>Day 4-32</b>  | Vikram Goyal         | Physical Research Laboratory, Ahmedabad  | Exploring the influence of evolving protoplanetary disk composition on Short-Lived Radionuclide abundances in the early solar system | Vikram@prl.res.in                 |
| PS3-P-120                     | Jaya Krishna Meka    | 1) Physical Research Laboratory, Ahmedabad, India, 2) Indian Institute of Technology (IIT) Kanpur, India, 3) University of Kent, Canterbury, UK  | Harnessing Impacts for processing of complex macromolecules  | jayakrishna@prl.res.in            |

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|-----------------|---|--|---------------------------------------|------------------------------------|
| <b>Day 4-33</b> |   |  |                                       |                                    |
| PS3-P-120       | S. C. Chakravarty <sup>1</sup> and Kamsali<br>Nagaraja <sup>2</sup> | <sup>1</sup> Indian Centre for Space Physics (ICSP), Kolkata 700099,<br><sup>2</sup> Department of Physics, Bangalore University, Bengaluru<br>560056, | Martian Atmospheric Models (0-300 km) | <i>chakravartysubhas@gmail.com</i> |
| <b>Day 4-34</b> |   |  |                                       |                                    |