

FINAL PROGRAM SCHEDULE (IPSC 2026)

Time (IST)	DAY 1	DAY 2	DAY 3
	(23 March 2026)	(24 March 2026)	(25 March 2026)
8:00 - 9:00	Registration	Registration	Registration
09:00 - 09:30	Inaugural Session	Registration	Registration
9:30 - 10:30	Session 1 – ADVANCES IN UNDERSTANDING OF MOON	Session 4 – SPACE WEATHER ON PLANETS	Session 8 – VENUS ATMOSPHERE & IONOSPHERE
10:30 - 11:00	TEA BREAK		
11:00 - 12:00	Session 2 – METHODS & MODELS FOR PLANETARY SCIENCE STUDIES	Session 5 & 6 – ATMOSPHERE & SURFACE OF MARS & PLANETARY ANALOGUES	Session 9 – INSTRUMENTATION FOR PLANETARY EXPLORATION
12:00 - 13:00	IPSA GBM		
13:00 - 14:00	LUNCH BREAK		
14:00 - 15:30	Session P1 - Poster Flash Talks	Session P2 - Poster Presentations	Summary Session + Valedictory
	TEA BREAK and Poster Viewing		
15:30 - 17:00	Session 3 – IONOSPHERES & INTER-PANETARY STUDIES	Session 7 – METEORITES & SOLAR SYSTEM	Free
17:00 - 18:30	Popular talk	Break-out Session	

CONFERENCE DINNER
(07:00 P.M. onwards)

SCHEDULE DAY 1

REGISTRATION (08:00 - 09:00 hrs.)

INAUGURAL SESSION (09:00 - 09:30 hrs.)

SESSION 1 : ADVANCES IN UNDERSTANDING OF MOON (ORAL PRESENTATION)

Session Chairs : Dr. Neeraj Srivastava, Dr. Manoneeta Chakrabarti

TIMINGS: 09:30 -10:30 hrs

Abstract	TITLE	Author	Presentation
118	Science beyond Chandrayaan-3 ChaSTE – Critical Understanding of Lunar Polar Environment	DURGA PRASAD KARANAM (Physical Research Laboratory)*	Lead talk
91	Role of ancient impact basins in lunar evolution: Insights from the Freundlich-Sharonov Basin	NEERAJ SRIVASTAVA (PRL)*; Tvisha Kapadia (PRL); Neha Panwar (PRL); Megha Bhatt (PRL); Rishitosh Sinha (PRL); Anil Bhardwaj (PRL)	Oral
48	Fresh insights into lunar subsurface water-ice from Chandrayaan-2	Rishitosh Sinha (Physical Research Laboratory)*; Rajiv Bharti (Physical Research Laboratory); Kinsuk Acharyya (Physical Research Laboratory); Sanjay Mishra (Physical Research Laboratory); Neeraj Srivastava (Physical Research Laboratory); Anil Bhardwaj (Physical Research Laboratory)	Oral
72	Lunar Polar Volatile Asymmetry: Insights into Crater Shallowing Processes	Sachana Sathyan (Physical Research Laboratory)*; Megha Bhatt (Physical Research Laboratory); Alexander Basilevsky (Vernadsky Institute of Geochemistry and Analytical Chemistry); K. S Sajinkumar (University of Kerala); Neeraj Srivastava (Physical Research Laboratory); Anil Bharadwaj (Physical Research Laboratory)	Oral
75	Geo-chemical insights from newly detected lunar pyroclastic deposits	Dibyendu Misra (Physical Research Laboratory)*; Megha Bhatt (Physical Research Laboratory); Christian Wöhler (Image Analysis Group, TU Dortmund University); Marcel Hess (Korea Institute of Geoscience and Mineral Resources); Shyama Narendranath (Space Astronomy Group, U R Rao Satellite Center, ISRO); Neeraj Srivastava (Physical Research Laboratory); Anil Bhardwaj (Physical Research Laboratory)	Oral

TEA BREAK (10:30 - 11:00 hrs.)

SESSION 2 : METHODS & MODELS FOR PLANETARY SCIENCE STUDIES (ORAL PRESENTATION)

Session Chairs : Dr. Raj K. Choudary, Dr. Unmesh Khati

TIMINGS: 11:00 -12:00 hrs

Abstract	TITLE	Author	Presentation
16	2-D Photochemical Modeling of the Venusian Thermosphere and Ionosphere: Effects of Day-to-Night Transport on Composition and Escape	Krishnaprasad Chirakkil (Physical Research Laboratory, Ahmedabad)*; Michael Chaffin (Laboratory for Atmospheric and Space Physics, University of Colorado Boulder); Eryn Cangi (Laboratory for Atmospheric and Space Physics, University of Colorado Boulder); Bethan Gregory (University of Oxford); Syed Haider (Physical Research Laboratory, Ahmedabad); Varun Sheel (Physical Research Laboratory, Ahmedabad); Anil Bhardwaj (Physical Research Laboratory, Ahmedabad)	Oral
40	Study on the Venusian atmospheric thermal structure: A comparative analysis between observations and models	Soumyaneal Banerjee (Space Physics Laboratory, VSSC)*; Raj Kumar Choudhary (Space Physics Laboratory, VSSC); Ambili K. M. (Space Physics Laboratory, VSSC); Keshav Tripathi (Physical Research Laboratory); Takeshi Imamura (The University of Tokyo)	Oral

120	Physics-Informed Surrogate Modeling of Venus Atmospheric Properties via Constrained Gradient Boosting	Kaustubh Singh (IIT Bombay)*, Rajkumar S. Pant (IIT Bombay)	Oral
61	A method for probing the solar wind using spectral broadening	Keshav Aggarwal (IIT INDORE)*; Raj Kumar Choudhary (SPL, VSSC); Abhirup Datta (IIT Indore)	Oral
22	From Charging to Lift-Off: The Electrostatics of Lunar Dust	Trinesh Sana (Physical Research Laboratory)*; S.K. Mishra (Physical Research Laboratory)	Oral

IPSA GBM (12:00 - 13:00 hrs.)

LUNCH (13:00 - 14:00 hrs.)

FLASH TALKS (14:00 - 14:30 hrs.)

POSTER SESSION WITH TEA (14:30 - 15:30 hrs.)

SESSION 3 : IONOSPHERES & INTER-PANETARY STUDIES (ORAL PRESENTATION)

Session Chairs : Prof. Varul Sheel, Dr. Saurabh Das

TIMINGS: 15:30 - 17:00 hrs

Abstract	TITLE	Author	Presentation
109	Heavy Ion Energization at Mars During the October 2016 High Speed Stream Impact	Indu Venugopal (Space Physics Laboratory, VSSC)*; Smitha V. Thampi (Space Physics Laboratory, VSSC); Ankush Bhaskar (Space Physics Laboratory, VSSC)	Oral
14	Characterization of Solar Event-Induced Range Spread in the Martian Ionosphere from MARSIS Gaussian Width Analysis	Yaswanth Challamalla (National Atmospheric Research Laboratory)*; Venkateswara rao N (National Atmospheric Research Laboratory)	Oral
10	Local Time and Seasonal Variations of Protonated Ions in the Martian Ionosphere: Roles of Solar Insolation and Ion-Neutral Chemistry	Kritika Joshi (National Atmospheric Research Laboratory Gadanki)*; N Venkateswara Rao (National Atmospheric Research Laboratory Gadanki)	Oral
96	Role of Solar Wind in Water Formation on the Lunar Surface	Shafiyoddin Sayyad (Milliya College, Beed)*; Vivek Dabhole (Milliya College Beed)	Oral
38	Ablation of meteoroid across inner solar system planets	Srirag Nambiar (PHYSICAL RESEARCH LABORATORY)*; Jayesh Pabari (PHYSICAL RESEARCH LABORATORY); Sonam Jitarwal (PHYSICAL RESEARCH LABORATORY); Rashmi Singh (PHYSICAL RESEARCH LABORATORY)	Oral
36	Atmospheric Drag Perturbations on Low Earth Orbit Satellites: Dependencies and Mitigation	Sharanappa S (URSC (ISRO))*; Umadevi K (URSC (ISRO))	Oral
24	Effect of a Cold Electron Beam on Whistler Mode Instability in Jupiter's Magnetosphere Using a Subtracted Bi-Maxwellian Distribution	Ankit Dhaikar (Amity University, Uttar Pradesh, Noida)*; R.S. Pandey (Amity University, Uttar Pradesh, Noida)	Oral

POPULAR TALK (17:00 - 18:30 hrs.)

CONFERENCE DINNER (19:00 hrs. Onwards)

SCHEDULE DAY 2

Session 4: SPACE WEATHER ON PLANETS (ORAL PRESENTATION)

Session Chairs : Dr. Bhargav Vaidya, Dr. Deepak K. Panda

TIMINGS: 09:30 - 10:30 hrs

Abstract	TITLE	Author	Presentation
	Space Weather investigations of Planet Earth through Space based Investigations	D. Pallamraju	Lead talk
57	Study of Solar Weather Dynamics and Its Effect on the Orbital Decay of Earth Satellites	Abir Bhattacharyya (VSSC, ISRO)*	Oral
104	Magnetosphere-Ionosphere Coupling Driven by Solar Wind Density Pulse under Northward IMF B _z : Role of IMF B _y	Sirsha Nandy (Indian Institute of Technology Indore)*; Bhargav Vaidya (Indian Institute of Technology Indore); Arghyadeep Paul (Université Paris-Saclay); Diptiranjana Rout (National Atmospheric Research Laboratory (NARL)); Dibyendu Chakrabarty (Physical Research Laboratory); Antoine Strugarek (Université Paris-Saclay)	Oral
110	Forecasting Multiple Solar Wind Parameters Using deep Learning Method at L1 Point	Santanu Maity (Indian Institute of Technology)*; Saurabh Das (IIT Indore); Hemapriya Raju (TIFR Mumbai)	Oral

114	SWASTi: An open source physics-based space weather modelling framework	Jithu J Athalathil (Indian Institute of Technology Indore)*; Bhargav Vaidya (Indian Institute of Technology Indore); Prateek Mayank (SWx TREC, University of Colorado); Navanit A V (Indian Institute of Technology Indore); Asif Mohamed Mandayapuram (Indian Institute of Technology Indore); Aniket Sharma (Indian Institute of Technology Indore); Sirsha Nandy (Indian Institute of Technology Indore); Arghyadeep Paul (Université Paris-Saclay, Université Paris Cité)	Oral
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TEA BREAK (10:30 - 11:00 hrs.)

SESSION 5 : ATMOSPHERE & SURFACE OF MARS (ORAL PRESENTATION)

Session Chairs : Dr. K. Durga Prasad, Dr. Amit Shukla

TIMINGS: 11:00-12:30 hrs

Abstract	TITLE	Author	Presentation
15	Turbulence & Meteorology in the Martian Boundary Layer	Varun Sheel (Physical Research Laboratory)*; Tirtha J. Kalita (UPES, Dehradun); Rishitosh Kumar Sinha (Physical Research Laboratory); Scot Rafkin (Southwest Research Institute, Boulder, Colorado)	Lead talk
21	Insights in to the Serpentinization Pathways in the Martian Crust	Amit Basu Sarbadhikari (Physical Research Laboratory)*	Oral
90	Evidence for a Basal Serpentine Unit in the Jezero Margin: Robust 2.12 μ m Overtone Detection in Denoised CRISM Spectra	Abinaya Maraivalavan (IIT Kanpur)*	Oral
46	A Unique 3D Thermophysical Modeling Framework for the Martian Surface	Samadhanam Raju K (Physical Research Laboratory, Ahmedabad)*; Durga Prasad Karanam (Physical Research Laboratory, Ahmedabad); Varun Sheel (Physical Research Laboratory, Ahmedabad)	Oral
73	Cracks that Remember Water: Olivine Alteration in the Deccan Traps as a Window into Martian Fluid Histories	Aditya Das (Physical Research Laboratory)*; Dwijesh Ray (Physical Research Laboratory)	Oral
42	Geophysical Evidence for Episodic Volcanic Activity in the Elysium Province of Mars	Rajiv Bharti (Physical Research Laboratory)*	Oral
100	Inter-annual Variability of seasonal distribution of Martian CO density from NOMAD-SO observation	Ashimananda Modak (Institute for Basic Science)*	Oral
27	Apollinaris Mons (Mars) - Emi Koussi region (Earth): A potential analogue site	Vijayan S (Physical Research Laboratory)*; Rishav Sahoo (Physical Research Laboratory)	Oral

SESSION 6 : PLANETARY ANALOGUES (ORAL PRESENTATION)

Session Chairs : Dr. K. Durga Prasad, Dr. Amit Shukla

TIMINGS: 12:30 - 13:00 hrs

Abstract	TITLE	Author	Presentation
6	The Alwar Ring Structure: Evidence of an Ancient Impact in Rajasthan, India	DEBJANI RAYCHAUDHURI (GEOLOGICAL SURVEY OF INDIA)*; Sandhya Jagannathan (GEOLOGICAL SURVEY OF INDIA); Debattam Sarkar (Geological Survey of India); Shubhabrata Mukhopadhyay (GSI)	Oral
95	In-Situ μ -FTIR Spectroscopy of Indian Anorthosite Complexes: High-Resolution Mineralogical Characterisation of Planetary Analogues	MUDITA TATER (Physical Research Laboratory)*; Satadru Bhattacharya (Space Application Centre (ISRO), Ahmedabad, 380015, India); Dwijesh Ray (Physical Research Laboratory); Anil D Shukla (Hemvati Nandan Bahuguna Garhwal University (HNBGU), Srinagar, Uttarakhand, 246174, India)	Oral
80	First report of shock features in surficial target rocks of the Dhala impact structure: Constraints on impact energetics and crater scaling	SHIVANSHU DWIVEDI (UNIVERSITY OF ALLAHABAD)*; Jayanta Kumar Pati (University of Allahabad); Anuj Kumar Singh (University of Allahabad)	Oral

LUNCH (13:00 - 14:00 hrs.)

POSTER SESSION WITH TEA (14:00 - 15:30 hrs.)

Session 7: METEORITES & SOLAR SYSTEM STUDIES -1 (ORAL PRESENTATION)

Session Chairs : Dr. Srinivasan, Dr. S. Vijayan

TIMINGS: 15:30-17:00 hrs

Abstract	TITLE	Author	Presentation
35	From Grains to Planetesimals: The Critical Importance of Sample Return for Planetary Chronology	KULJEET K. MARHAS (Physical Research Laboratory)*	Lead talk
4	Mineralogy, Petrography, Geochemistry, and Classification of the S-02 Meteorite from Jonnagiri, Kumool District, Andhra Pradesh	P SUNDER RAJU (CSIR-NGRI)*	Oral

7	Origin of meteoritic organics: insights from Insoluble Organic Matter Analogues	Shreeya Natrajan (Physical Research Laboratory)*; Kuljeet Kaur Marhas (Physical Research Laboratory); Gayathri Vinodkumar (National Forensic Sciences University, Gandhinagar); Mohit G (National Forensic Sciences University, Gandhinagar); Neha C (Physical Research Laboratory)	Oral
18	Constraints on oxygen isotopes of primitive meteorite Mukundpura and its Implications	Gopalan Srinivasan (Centre for Space Sciences and Earth Habitability)*; Rudraswami N.G. (National Institution of Oceanography)	Oral
25	Refractory Inclusion in CM Chondrite	DIPAK Kumar PANDA (PRL)*; Anjana Shaju (KU Leuven, Department of Earth and Environmental Sciences)	Oral
28	Nitrogen isotopes in carbonaceous chondrites	Ramakant Mahajan (Physical Research Laboratory)*	Oral
39	Noble Gas Derived Retention and Cosmic Ray Exposure Ages of Kopargaon meteorite.	Satvika jaiswal (physical research laboratory)*	Oral
68	Ejection History and Noble Gas Study in Selected Ordinary Chondrites	AVADH KUMAR (Physical Research Laboratory)*	Oral
105	An Automated Observation Pipeline for Small-Aperture Follow-up of Near-Earth Objects and Discovery Confirmations	Ashirbad Nayak (Physical Research Laboratory)*	Oral
86	Oxygen isotopic compositions of a type A CAI and an Al-rich chondrule in Vigarano	RITESH MISHRA (Ametek Instruments India Pvt. Ltd.)*; Mario Trierloff (2Institut für Geowissenschaften, Klaus-Tschira-Labor für Kosmochemie, Ruprecht-Karls-Universität, Heidelberg); Kuljeet Kaur Marhas (Physical Research Laboratory, Ahmedabad)	Oral

BREAK-OUT SESSION (17:00 - 18:30 hrs.)

SCHEDULE DAY 3

SESSION 8 : VENUS ATMOSPHERE & IONOSPHERE (ORAL PRESENTATION)

Session Chairs : Prof. Kuljeet K. Marhas, Prof. Amit Basu

TIMINGS: 09:30 -10:30 hrs

Abstract	TITLE	Author	Presentation
	Science from Indian Orbiter VENUS Mission	T K Pant, VSSC	Lead talk
97	Development of Radio Occultation Payload for Study of Venus Ionosphere	Harshit Kumar (URSC, ISRO)*; Bindu K. R. (URSC, ISRO)	Oral
43	Effect of Uncertainties in the Electron Temperature on the Topside Venus Ionosphere	SATYANDRA SHARMA (Physical Research Laboratory)*; Varun Sheel (Physical Research Laboratory)	Oral
88	Use of chirp Z-transform and adaptive slicing in the radio occultation technique for improved estimation of the Frequency residuals.	Sheetal Kalyani (IIT Madras)*; Raj Kumar Choudhary (Space Physics Laboratory, VSSC); Soumyaneal Banerjee (Space Physics Laboratory, VSSC); Gokularam Muthukrishnan (India Urban Data Exchange)	Oral
98	Variation in the Thermal Structure in the Coupling Region of Venus's Upper Atmosphere Derived from Radio Occultation Experiments.	Keshav Tripathi (Physical Research Laboratory)*; Anil Bhardwaj (Physical Research Laboratory)	Oral

TEA BREAK (10:30 - 11:00 hrs.)

SESSION 9 : INSTRUMENTATION FOR PLANETARY EXPLORATION (ORAL PRESENTATION)

Session Chairs : Dr. Tarun Pant, Dr. Abhirup Datta

TIMINGS: 11:00 -12:30 hrs

Abstract	TITLE	Author	Presentation
	TBC	Prof. A.K. Parta (NARL)	Lead talk
47	Mission to Sun- Quality Assurance Aspects for Solar Array	Shilpi Sharma (ISRO)*	Oral
93	Venus Solar Soft X-ray Spectrometer (VS3) on-board Venus Orbiter Mission	Nishant Singh (Physical Research Laboratory)*	Oral
31	System-Level Sensor and Instrument Requirements for a Lunar Sample Return Mission	Sanjay Yadav (ISRO)*	Oral
56	Development of Detector Readout Electronics for the Neutral and Ion Mass Spectrometer (NIMS) for future Space Missions	Deepak Painkra (PRL)*; Mohit Soni (PRL); Shiv Goyal (PRL); Abhishek Verma (PRL); Pankaj Kushwaha (PRL); Sanjeev Mishra (PRL); Chithra Raghavan (PRL); Arpit Patel (PRL); M Shanmugam (PRL); Manan Shah (PRL); Pranav Adhyaru (PRL); Prashant Kumar (PRL)	Oral
20	Real time semi-Gaussian signal parameter identification for Radiation detectors	Bhumi Patel (L J University, Ahmedabad); Prashant Sachaniya (L J University, Ahmedabad); Nishant Singh (PRL)*	Oral

19	Design and Development of electronics for Dust Experiment Onboard POEM-3	Rashmi Rashmi (Physical Research Laboratory)*; Jayesh Pabari (Physical Research Laboratory); Srirag Nambiar (Physical Research Laboratory); Sonam Jitarwal (Physical Research Laboratory)	Oral
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SUMMARY SESSION AND VALEDICTORY (12:30 hrs. Onwards)

LUNCH (13:00 - 14:00 hrs.)