

Conference Schedule

			Day 1 : July 16, 2025 Inauguration + Scientific Sessions
7:30	—	8:30	Breakfast - Venue: Guest House and Hostel
9:15	—	10:45	Inaugural Session - Venue: Shivaji Auditorium
10:45	—	11:15	Photo session - Venue: Shivaji Bhawan Portico Tea - Venue: Annex area outside of Auditorium
11:15	—	12:45	Panel Discussion - Venue: Shivaji Auditorium
12:45	—	14:00	Lunch - Venue: G110, oppo. To Graces Hall Posters - Venue: VDC open area
			Electron and Ion Collisions in Astrochemical Systems Chair: N Sathyamurthy Venue: Shivaji Auditorium
14:00	—	14:35	IT1: Atomic collisions involving PAH molecules Lokesh C Tribedi
14:35	—	15:10	IT2: Electron collision with molecules with a permanent electric dipole moment Vaibhav S. Prabhudesai
15:10	—	15:45	IT3: Electron Impact Studies on CH Leading to Dissociation and Dissociative Electron Attachment Kalyan Chakrabarti
15:45	—	16:00	Tea - Venue: Annex Area Outside of Auditorium
			Spectroscopy and Imaging in Space and Planetary Environments Chair: E. Arunan Venue: Shivaji Auditorium
16:00	—	16:35	IT4: State selectivity in methane dications C.P Safvan
16:35	—	17:10	IT5: A Helium Nanodroplet Spectrometer for Investigating Molecular Processes in Interstellar Environments Devendra Mani
17:10	—	17:45	IT6: Indian Planetary exploration missions: current sceneraio and future scopes Shyama Narendranath
17:45	—	18:20	IT7: Water in star forming regions Kinsuk Acharyya
19:30	—		Dinner - Venue: Guest House & Hostel

Day 2 : July 17, 2025			
Parallel Scientific Sessions and Poster Presentation			
07:30	—	08:45	Breakfast - Venue: Guest House and hostel
			Parallel Session 1
			Parallel Session 2
			Spectroscopic Signatures of Astrochemical Molecules Chair: Liv Hornekær Venue - Kensen lecture room , VDC
			Fragmentation and Collision Imaging Chair: C P Safvan Venue - Kojo lecture room , VDC
9:00	—	9:35	IT8: Unravelling the Molecular Properties of Dimethyl Sulfide (DMS): Insights from Gas-Phase LASER Spectroscopy Himansu S. Biswal
			IT9: Momentum imaging: decoding the fragmentation dynamics in ion-molecule collisions Aditya H. Kelkar
9:35	—	10:00	CT1: Raman Spectral Analysis of Nitrogen-Containing and Non-Nitrogen Polycyclic Aromatic Hydrocarbons for Their Identification on Terrestrial Planets Shubhadip Chakraborty
			CT4: Swift proton induced dissociation dynamics of benzonitrile Veena C P
10:00	—	10:25	CT2: Theoretical rationalization of diffuse interstellar bands Rudraditya Sarkar
			CT5: Absolute Partial Cross Sectional Studies of Dissociative Electron Attachment to CH ₃ COSH: Sulfur Site-Selectivity Krishnendu Gope
10:25		10:50	CT3: Exploring Interstellar Molecules with Helium Nanodroplets and para-H ₂ Matrix Prasanta Das
			CT6: Radiation processing of nitrogenated aromatics: recent developments and new trends Umesh Kadhane
10:50	—	11:05	Tea - Venue: Pantry Area VDC
			Tea - Venue: Pantry Area VDC
11:05	—	12:30	Flash Poster session Poster Chair: Bhaswati Mookerjee & Anjusha Mathew Venue: Kensen lecture room , VDC
12:30	—	14:00	Lunch - Graces Hall Poster session - Poster Chair: Bhaswati Mookerjee & Anjusha Mathew Venue: VDC open area
			Quantum Photochemical Dynamics Chair Vaibhav Prabhudesai Venue: Kenson Lecture Room, VDC
			Plasma Diagnostics and Astrochemical Applications Chair: Upakarasamy Lourderaj Venue: Kojo Lecture Room, VDC
14:00	—	14:35	IT10: Ultraslow isomerization in photoexcited gas phase C10- K.Saha
			IT13: Characterization of Hydrogen Plasma through the Mass and Energy Analysis of Neutrals and Ions in an ECR-based Microwave Plasma Source Ramesh Narayanan
14:35	—	15:10	IT11: Photostability of biomolecular ions in space – Measurement of absolute PD cross-sections S. Sunil Kumar
			IT14: The Unmagnetized Enigma: Unveiling Plasma Dynamics for Astrochemical Synthesis Soumen Ghosh
15:10		15:45	IT12: Quantum Collisions: Probing quantum effects in the investigation of atom – molecule interactions at cold conditions Nabanita Deb
			IT15: Development of Imaging Mueller Matrix Polarimeter for the Characterization of Retarders A. DVS Phanindra
15:45	—	16:00	Tea
			Exploration of Prebiotic and Organic Species Chair: Devendra Mani Venue: Kenson Lecture Room, VDC
			Atmospheres, Biosignatures, and Space Environment Chair: Rudraditya Sarkar Venue: Kojo Lecture Room, VDC
16:00	—	16:35	IT16: Modeling of Debris Disk and possible indication of Organic materials as one of the dust compositions Ranjan Gupta
			CT10: Stromatolites as Geological Archives of Biosignatures: Implications for the Search for Life on Mars Rajesh V. J.
16:35	—	17:00	CT7: Collisional Dynamics of Small Carbon Chains with H ₂ : Theoretical Insights & Applications in Interstellar Medium T. J. Dhillip Kumar
			CT10: Upper tropospheric aerosol measurements using high-altitude balloons Anand N
17:05	—	17:30	CT8: Isomer differentiation of the -H fragment of methyl-pyrene cations by visible multiple photon dissociation spectroscopy Venkateswara Rao Mundlapati
			CT11: Electron Irradiation and Morphological Control in Astrochemical Reaction Pathways Daly Davis
17:30	—	17:55	CT9: High-Resolution Ro-Vibrational Spectroscopy of Ethyl Isocyanate: A Prebiotic Molecule in Interstellar Medium Abhishek Shahi
			CT12: Monitoring Organics in Space with Scientific Ballooning P R Sinha
17:55	—	18:20	CT9: Dynamics in the Protocell Model and Origins of Life Sandeep Ameta
			CT13: Space Weather, GLEs and Associated Geomagnetic Activities Subhash C. Kaushik
19:30	—		Conference Dinner

			<i>Day 3 July 18, 2025</i> <i>Scientific Sessions and Valedictory Session</i>
07:30	—	08:45	<i>Breakfast - Venue: Guest House and hostel</i>
			Formation and Evolution of Complex Molecules in Space Chair: N Sathyamurthy Venue: Shivaji Auditorium
9:00	—	9:35	IT17: Interstellar Catalysis and Erosion Reactions - Pathways to Formation of the Molecular Building Blocks of Life in Space. Liv Hornekær
9:35	—	10:10	IT18: The Development of “Interstellar Phylogenetic Trees” Raghunath O. Ramabhadran
10:10	—	10:45	IT19: Probing structure and energetics of macromolecular assemblies using single ion imaging mass spectrometry and ultraviolet photodissociation Anjusha Mathew
10:45	—	11:20	IT20: Interstellar Complex Organic Molecules Bhaswati Mookerjee
11:20	—	11:35	<i>Tea - Venue: Annex Area Outside of Auditorium</i>
			Formation and Evolution of Complex Molecules in Space Chair : S Sunil Kumar Venue: Shivaji Auditorium
11:35		12:10	IT21: Overview of in situ carbon detection on Mars with the Mars Science Laboratory Curiosity rover. J. Lasue
12:10		12:45	IT22: Intra-molecular scattering within dissociating diiodoacetylene Sankar De
12:45		13:20	IT23: The Evolving View of Lunar Water: Forms, Sources, and Spatial Distribution Megha Bhatt
13:20	—	14:00	<i>Lunch - Venue: Graces Hall</i> <i>Poster - VDC open area</i>
			Molecular Complexity and Astrochemical Interactions Chair Lokesh Tribedi Venue: Shivaji Auditorium
14:00	—	14:35	IT24: Gas-phase chemistry and molecular complexity in space Nadia Balucani
14:35	—	15:10	IT25: Electron and positron collision with molecules of astrophysical relevance Dhanoj Gupta
15:10	—	15:45	IT26: Penning Trap for Investigating Relativistic Electron Interactions with Astrochemically Relevant Molecules Sugam Kumar
15:45	—	16:45	<i>Valedictory Session, Prize distribution,</i>
16:45	—	17:00	<i>Tea - Venue: Annex Area Outside of Auditorium Departure</i>