

Session7 – New ground- and space-based initiatives for Solar-Terrestrial Physics

Conveners: Jorge Chau, Renata Lukianova, Nat Gopalswamy

Day 4: February 24, 2022

Day 4 - Time Slot5 (D4-TS5): February 24, 2022 – GMT 1440 – 1630 IST 2010 – 2200		
<i>Session Chairs: Jorge Chau</i>		
GMT	IST	Title of the Abstract
1440 – 1500	2010 – 2030	Abstract ID: STP15-ABS-121 Title: Radial evolution of solar wind turbulence in the inner Heliosphere: firsts space plasma observations of the Solar Orbiter spacecraft <i>Presenting Author: Raffaele Marino (Invited)</i>
1500 – 1515	2030 – 2045	Abstract ID: STP15-ABS-162 Title: Multiview Observatory for Solar-Terrestrial Science (MOST): The Next Generation Tools for Heliophysical Investigations <i>Presenting Author: Nat Gopalswamy</i>
1515 – 1530	2045 – 2100	Abstract ID: STP15-ABS-185 Title: A new ground based Antarctic Space Weather laboratory at an Argentinean base <i>Presenting Author: Sergio Dasso</i>
1530 – 1540	2100 – 2110	Abstract ID: STP15-ABS-335 Title: Status of the Galileo Solar Space Telescope Mission <i>Presenting Author: Luis Eduardo Vieira</i>
1540 – 1550	2110 – 2120	Abstract ID: STP15-ABS-181 Title: Investigating Quiescent and Transient Magnetic Structures in the Inner Heliosphere using Faraday Rotation, the FETCH instrument on the MOST mission Concept <i>Presenting Author: Elizabeth Jensen</i>
1550 – 1600	2120 – 2130	Abstract ID: STP15-ABS-081 (<i>Pre-recorded</i>) Title: Advance Ionospheric Earthquake Precursors detected in a VLF SID Monitoring Station in the South Pacific Region during August-2017 <i>Presenting Author: Prasanna Waichal</i>
1600 – 1630	2130 – 2200	Breakout Session <i>Breakout room leaders: Nat Gopalswamy</i>

Day 5: February 25, 2022

Day 5 - Time Slot 1 (D5-TS1): February 25, 2022 – GMT 0300 – 0450 IST 0830 – 1020		
<i>Session Chairs: Kazuo Shiokawa</i>		
GMT	IST	Title of the Abstract
0300 – 0315	0830 – 0845	Abstract ID: STP15-ABS-076 Title: The investigation of hemispheric asymmetry along 100°E longitude using ionosondes at magnetic conjugates stations and

		model simulations: new insights <i>Presenting Author: Bitap Kalita</i>
0315 – 0330	0845 – 0900	Abstract ID: STP15-ABS-202 Title: Next generation interplanetary scintillation observation system of ISEE <i>Presenting Author: Kazumasa Iwai</i>
0330 – 0345	0900 – 0915	Abstract ID: STP15-ABS-031 Title: Validation of the VHF Radar Observation of Nocturnal F-region Ionospheric Irregularity at Cochin with SWARM Bravo Satellite <i>Presenting Author: Rakesh V</i>
0345 – 0400	0915 – 0930	Abstract ID: STP15-ABS-083 (<i>Pre-recorded</i>) Title: Ionospheric Effects observed in the South Pacific Using a VLF Monitoring System during the August-2017 North American Total Solar Eclipse <i>Presenting Author: Prasanna Waichal</i>
0400– 0410	0930– 0940	Abstract ID: STP15-ABS-125 Title: A global observation of ionospheric response on the geomagnetic storm of 22-23 June, 2015 using SWARM <i>Presenting Author: Remya Nair</i>
0410– 0420	0940– 0950	Abstract ID: STP15-ABS-032 Title: A Study on the Potential Application of 205 MHz VHF Radar at Cochin in the Observation of Ionospheric Irregularities during Geomagnetic Storms <i>Presenting Author: Sreekumar Haridas</i>
0420 – 0450	0950 – 1020	Breakout Session <i>Breakout room leaders: Kazumasa Iwai</i>

Day 5 - Time Slot2 (D5-TS2): February 25, 2022 – GMT 0450 – 0640 IST 1020 – 1210		
<i>Session Chairs:</i>		
GMT	IST	Title of the Abstract
0450 – 0510	1020 – 1040	Abstract ID: STP15-ABS-354 Title: The Aditya-L1 mission: ISRO's observatory in space for solar observations <i>Presenting Author: Durgesh Tripathi (Invited)</i>
0510 – 0525	1040– 1055	Abstract ID: STP15-ABS-044 Title: Development of low-cost small all-sky imagers for multi-point measurements of airglow at middle and low latitudes <i>Presenting Author: Kazuo Shiokawa</i>
0525 – 0540	1055 – 1110	Abstract ID: STP15-ABS-330 Title: Observations of Equatorial Thermosphere-ionosphere - Overview of SOUREX Experiment <i>Presenting Author: Tarun Pant</i>
0540 – 0555	1110 – 1125	Abstract ID: STP15-ABS-102 Title: Concept of the solar ring mission <i>Presenting Author: Quanhao Zhang</i>
0555– 0610	1125– 1140	Abstract ID: STP15-ABS-277 Title: Thunderstorm-Induced Muon Events (TIMES) at GRAPES-3 Experiment <i>Presenting Author: Pranaba Nayak</i>

0610 – 0640	1140 – 1210	Breakout Session <i>Breakout room leaders:</i>
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Day 5 - Time Slot3 (D5-TS3): February 25, 2022 – GMT 1100 – 1250 IST 1630 – 1820		
Session Chairs: Renata Lukianova		
GMT	IST	Title of the Abstract
1100 – 1120	1630 – 1650	Abstract ID: STP15-ABS-229 Title: EISCAT_3D: Imaging Incoherent Scatter Radar for the 21st Century <i>Presenting Author: Ian McCrea (Invited)</i>
1120 – 1135	1650– 1705	Abstract ID: STP15-ABS-255 Title: Exploring the mesosphere and lower thermosphere and its connection to the ionosphere/thermosphere using SIMONE systems <i>Presenting Author: Juan Federico Conte</i>
1135 – 1150	1705 – 1720	Abstract ID: STP15-ABS-231 Title: An innovative approach to derive daytime gravity wave characteristics using digisonde <i>Presenting Author: Subir Mandal</i>
1150 – 1205	1720 – 1735	Abstract ID: STP15-ABS-337 Title: Isolating daytime mid-latitude small- and medium-scale TIDs by the degree of compression of the cusp part of the F layer <i>Presenting Author: Adel Akchurin</i>
1205– 1220	1735– 1750	Abstract ID: STP15-ABS-060 Title: The Changing-Atmosphere Infra-Red Tomography Explorer (CAIRT) – expected benefits for solar-terrestrial research <i>Presenting Author: Bernd Funke</i>
1220- 1250	1750 – 1820	Breakout Session <i>Breakout room leaders: Juan Federico Conte</i>

Day5 - Time Slot 4 (D5-TS4): February 25, 2022 – GMT 1250 – 1440 IST 1820 – 2010		
Session Chairs: Nat Gopalswamy		
GMT	IST	Title of the Abstract
1250 – 1310	1820 – 1840	Abstract ID: STP15-ABS-347 Title: Daedalus: a mission concept for the in-situ exploration of the Lower Thermosphere - Ionosphere <i>Presenting Author: Theodoros Sarris (Invited)</i>
1310 – 1320	1840 – 1850	Abstract ID: STP15-ABS-346 Title: Preliminary analysis of polarimeter uncertainties of INPE's proof of concept spectropolarimeter <i>Presenting Author: Adriany Rodrigues Barbosa</i>
1320 – 1335	1850 – 1905	Abstract ID: STP15-ABS-321 Title: An Advanced Low-band VHF Radar for Geospace, Cislunar, Planetary, Solar, and Astronomical Research <i>Presenting Author: Brett Isham</i>

1335 – 1350	1905 – 1920	Abstract ID:STP15-ABS-320 Title: An MF/HF Radio Array for Radar and Radio Imaging of the Ionosphere <i>Presenting Author: Brett Isham</i>
1350 – 1400	1920 – 1930	Abstract ID: STP15-ABS-244 Title: The 145° magnetometer meridian chain: toward collaboration between Russia and India <i>Presenting Author: Renata Lukianova</i>
1400 – 1410	1930 – 1940	Abstract ID: STP15-ABS-029 Title: New results from NCAR HAO Thermospheric wind Observations <i>Presenting Author: Qian Wu</i>
1410 – 1440	1940 – 2010	Breakout Session <i>Breakout room leaders: Renata Lukianova</i>