

**Session 1 – Overarching Topics in the Sun-Earth Connection**  
 Conveners: Ramon Lopez, Eugene Rozanov, Jie Zhang, M. Venkat Ratnam

**Day 1: February 21, 2022**

Day 1 - Time Slot 1 (D1-TS1): February 21, 2022 – GMT 0300 – 0450 IST 0830 – 1020		
<b>Session Chair(s): Ramon Lopez</b>		
GMT	IST	Title of the Abstract
0300 – 0320	0830 – 0850	Abstract ID: STP15-ABS-215 Title: Relevance of Severe Space Weather to the High-Tech Society <i>Presenting Author: Balan Nanan (invited)</i>
0320 – 0335	0850 – 0905	Abstract ID: STP15-ABS-327 Title: Global Evolution of the Sun's Coronal Magnetic Field Driven by Active Regions <i>Presenting Author: Prantika Bhowmik</i>
0335 – 0350	0905 – 0920	Abstract ID: STP15-ABS-065 Title: Confined and eruptive catastrophes of solar magnetic flux ropes caused by mass loading and unloading <i>Presenting Author: Quanhao Zhang</i>
0350 – 0400	0920 – 0930	Abstract ID: STP15-ABS-296 Title: A study of multiple Coronal Mass Ejections and their propagation and Geo-effectiveness <i>Presenting Author: M.Syed Ibrahim</i>
0400 – 0410	0930 – 0940	Abstract ID: STP15-ABS-200 Title: Active region and magnetic properties of some coronal mass ejection <i>Presenting Author: Vijayalakshmi Prakash</i>
0410 – 0420	0940 – 0950	Abstract ID: STP15-ABS-021 Title: ICME-HSS interaction: generation of Alfven wave <i>Presenting Author: Omkar Dhamane</i>
0420 – 0450	0950 – 1020	Breakout Session  Breakout Room1: N. Balan and Omkar Dhamane Breakout Room2: Quanhao Zhang and Vijayalakshmi Prakash Breakout Room3: M. Syed Ibrahim and Prantika Bhowmik  Note: These speakers will lead the above breakout rooms. All the other participants may join any of the above breakout rooms for any discussion and/or interaction. Participants can also move from one room to other.

Day 1 - Time Slot 3 (D1-TS3): February 21, 2022 – GMT 1100 – 1250 IST 1630 – 1820		
<b>Session Chair(s): Natalie Krivova</b>		
GMT	IST	Title of the Abstract
1100 – 1115	1630 – 1645	Abstract ID: STP15-ABS-264 Title: A new paradigm of extreme solar events <i>Presenting Author: Ashok Singh</i>

1115 – 1130	1645 – 1700	Abstract ID: STP15-ABS-310 Title: Forward modelling of solar flare emissions in the Solar Orbiter era <i>Presenting Author: Rui Pinto</i>
1130 – 1145	1700 – 1715	Abstract ID: STP15-ABS-128 Title: Nonhomogeneity of plasma turbulence related to large scale structures in the solar wind <i>Presenting Author: Maria Riazantseva</i>
1145 – 1200	1715 – 1730	Abstract ID: STP15-ABS-025 Title: Complexity-entropy causality plane based analysis on the relationship between solar activity and cosmic ray intensity <i>Presenting Author: Vipin Das V</i>
1200 – 1210	1730 – 1740	Abstract ID: STP15-ABS-020 Title: ICME-HSS Interaction and associated extreme Geomagnetic Storm. <i>Presenting Author: Kalpesh Ghag</i>
1210 – 1220	1740 – 1750	Abstract ID: STP15-ABS-113 Title: DH Type II Radio Bursts During Solar Cycles 23 and 24: Frequency-dependent Classification and their Flare-CME Associations <i>Presenting Author: Binal Patel</i>
1220 - 1250	1750 – 1820	Breakout Session Breakout Room1: Ashok Singh and Maria Riazantseva Breakout Room2: Rui Pinto and Binal Patel Breakout Room3: Vipin Das V and Kalpesh Ghag  Note: These speakers will lead the above breakout rooms. All the other participants may join any of the above breakout rooms for any discussion and/or interaction. Participants can also move from one room to other.

Day 1-Time Slot 5 (D1-TS5): February 21, 2022 – GMT 1440 – 1630 IST 2010 – 2200		
<b><i>Session Chair(s): Madineni Venkat Ratnam</i></b>		
GMT	IST	Title of the Abstract
1440 – 1500	2010 – 2030	Abstract ID: STP15-ABS-261 Title: Long-term changes of solar activity and irradiance <i>Presenting Author: Natalie Krivova (Invited)</i>
1500 – 1515	2030 – 2045	Abstract ID: STP15-ABS-096 Title: Magnetospheric turbulence and predictability of Space weather effects <i>Presenting Author: Elizaveta Antonova</i>
1515 – 1530	2045 – 2100	Abstract ID: STP15-ABS-313 Title: Interhemispheric Asymmetries <i>Presenting Author: Ramon Lopez</i>
1530 – 1540	2100 – 2110	Abstract ID: STP15-ABS-323 Title: On the variability of equatorial electrodynamics during 26 December 2019 solar eclipse: A case study <i>Presenting Author: Ajesh Asokan Pillai</i>

1540 – 1550	2110 – 2120	Abstract ID: STP15-ABS-260 Title: The Complexity Behaviour of Equatorial Ionosphere during Solar Eclipse - a case study <i>Presenting Author: Unnikrishnan Kaleekkal</i>
1550 – 1600	2120 – 2130	Abstract ID: STP15-ABS-098 Title: Zonal distribution of cosmogenic isotopes in stratosphere and troposphere simulated with the chemistry-climate model SOCOL <i>Presenting Author: Kseniia Golubenko</i>
1600 - 1630	2130 – 2200	Breakout Session Breakout Room1: N. Krivova and Kseniia Golubenko Breakout Room2: Ramon Lopez and Unnikrishnan Kaleekkal Breakout Room3: Elizaveta Antonova and Ajesh Ashokan Pillai  Note: These speakers will lead the above breakout rooms. All the other participants may join any of the above breakout rooms for any discussion and/or interaction. Participants can also move from one room to other.

## **Day 2: February 22, 2022**

Day 2-Time Slot 1 (D2-TS1): February 22, 2022 – GMT 0300 – 0450 IST 0830 – 1020		
<b><i>Session Chair(s): Balan Nanan</i></b>		
GMT	IST	Title of the Abstract
0300 – 0315	0830 – 0845	Abstract ID: STP15-ABS-201 Title: Low Latitude Signatures of Ionospheric Alfvén Resonator (IAR) in Indian Region <i>Presenting Author: Jayashree Bulusu</i>
0315 – 0330	0845 – 0900	Abstract ID: STP15-ABS-071 Title: Investigations on the ionospheric TEC variations and its solar activity dependence in the Caribbean sector <i>Presenting Author: Prince P R</i>
0330 – 0345	0900 – 0915	Abstract ID: STP15-ABS-006 Title: The study of an extended recovery phase of extreme geomagnetic storms <i>Presenting Author: Komal Chorgha</i>
0345 – 0355	0915 – 0925	Abstract ID: STP15-ABS-319 Title: Diurnal and annual variations of meteor flux over low latitudes <i>Presenting Author: Rahul Kodimela</i>
0355– 0405	0925 – 0935	Abstract ID: STP15-ABS-273 Title: Long term changes in Temperature, CO <sub>2</sub> concentration and associated cooling rates in the middle atmosphere using SABER/TIMED observations and WACCM Simulations <i>Presenting Author: Pramitha M</i>
0405 – 0415	0935 – 0945	Abstract ID: STP15-ABS-147

		<p>Title: New Insights into the Semi-Annual Oscillation in the Earth's middle atmosphere</p> <p><i>Presenting Author: Kishore Kumar Grandhi</i></p>
0415 – 0450	0945 – 1020	<p>Breakout Session</p> <p>Breakout Room1: Prince P. R and Rahul Kodimela</p> <p>Breakout Room2: Jayashree Bulusu and Pramitha M</p> <p>Breakout Room3: Kishore Kumar Grandhi and Komal Choraghe</p> <p>Note: These speakers will lead the above breakout rooms. All the other participants may join any of the above breakout rooms for any discussion and/or interaction. Participants can also move from one room to other.</p>