Hall	Session Title	Session Type
08:30 - 09:00		
	ARRIVAL TIME	
09:00 - 10:00		
Auditorium	**Long-term Solar Variability: Observations, Proxies, and Models**	**SCL1**
09:00 - 09:15	**Temporal Evolution of Bipolar Magnetic Regions: Support of Thin Flux Tube Model** Anu Sreedevi (1), Bidya Binay KARAK (1), Bibhuti Kumar JHA (2), Rambahadur GUPTA (1), Dipankar Banerjee (3) *(1) Department of Physics, Indian Institute of Technology (Banaras Hindu University) Varanasi, Varanasi (INDIA), (2) Southwest Research Institute, Boulder, CO (USA), (3) Indian Institute of Space Science and Technology, Valiamala, Trivandrum (INDIA)*	
09:15 - 09:30	**Reconstructing the group sunspot number without the need for intercalibrating observers** Thierry Dudok De Wit (1) *(1) LPC2E, CNRS, University Orleans, CNES, Orléans (FRANCE)*	
09:30 - 09:45	**Constraining Solar Cycle Variabilities with Ensemble Flux Transport Modeling** Bibhuti Kumar Jha (1), Lisa Upton (1) *(1) Southwest Research Institute, Boulder, CO (USA)*	
09:45 - 10:00	**A new declining phase precursor in the sunspot number record and an early prediction for cycle 26 maximum** Sandra Chapman (1) *(1) CFSA, Physics Department, University of Warwick, Coventry (UNITED KINGDOM)*	
Verde Room	**Radio instruments and diagnostics: from source regions to space weather applications**	**HEL3**
09:00 - 09:15	**New insights into chromospheric proxies for a physics-based flare forecasting model with the large Italian Radio Telescopes** Sara Mulas (1), Alberto Pellizzoni (1), Marco Marongiu (1), Adriana Marcucci (2), Simona Righini (3), Giulia Murtas (4), Davide Napolitano (3) *(1) National Institute for Astrophysics (INAF) - Cagliari Astronomical Observatory (OAC), Selargius (ITALY), (2) Centro Nazionale di Meteorologia e Climatologia Aerospaziale (CNMCA) - ITAF, Pomezia (ITALY), (3) National Institute for Astrophysics (INAF) - Institute of Radio Astronomy (IRA), Bologna (ITALY), (4) West Virginia University (WVU), Morgantown (USA)*	
09:15 - 09:30	**Beyond Type III presence: radio morphology as a diagnostic of high-energy SEP occurrence** Vratislav Krupar (1) *(1) UMBC/GPHI & NASA/GSFC, Greenbelt MD (USA)*	
09:30 - 09:45	**Chromosphere modeling of solar active regions observed at K-band frequencies using INAF single-dish radio telescopes under the SunDish Project** Abimael Amaro (1), Alberto Paolo Pellizzoni (1), Sara Mulas (1), Marco Marongiu (1), Joaquim Eduardo Costa (2), Marlos Rockenbach (3)	

	(1) National Institute for Astrophysics - Cagliari Astronomical Observatory, Selargius (CA) (ITALY), (2) National Institute for Space Research - Space Weather Division, São José dos Campos - SP (BRAZIL), (3) National Institute for Space Research - Heliophysics, Planetary Sciences and Aeronomy Division, São José dos Campos - SP (BRAZIL)	
09:45 - 10:00	**Probing the characteristics of a pre-eruptive flux rope using EUV and radio diagnostics** Emily Kate Mottram (1), Lucie Green (1), Hamish Reid (1), Alexander James (1), Julio Hernandez Camero (1), Nawin Ngampopun (1,2) *(1) Mullard Space Science Laboratory, UCL, London (UNITED KINGDOM), (2) Max Planck Institute for Solar System Research, Göttingen (GERMANY)*	
Onice Room	**Preparing for L5 and Beyond: Operational and Scientific Readiness for the ESA Vigil Mission and Future Heliospheric Observations**	**IOM1**
09:00 - 09:15	**NOAA's Space weather Observations at L1 to Advance Readiness (SOLAR) project** Yaireska Collado-Vega (1), Ashley Greeley (2), Irfan Azeem (1), James Spann (1), Erin Lynch (1), James Morrissey (2), John Panek (2), Charles Delee (1), Richard Marlow (1), Richard Ullman (1), Eugene Guerrero-Martin (2) *(1) NOAA NESDIS Space Weather Observations Office, Lanham (USA), (2) NASA Goddard Space Flight Center, Greenbelt (USA)*	
09:15 - 09:30	**Preparing for the L5 Photospheric Magnetic Field Observations To improve Space Weather Modeling and Predictions at NOAA** Nai -Yu Wang (1), Andrew R. Marble (2,3), Eric Adamson (3), Mark Miesch (2,3), Alessandra Pacini (3), Carl J. Henney (4), Samuel J. Schonfeld (4), Sara Housseal (3,5) *(1) NOAA Office of Space Weather Observations, Lanham (USA), (2) Cooperative Institute for Research in Environmental Sciences, University of Colorado Boulder, Boulder (USA), (3) NOAA Space Weather Prediction Center, Boulder (USA), (4) Air Force Research Laboratory, Space Warfare Directorate, Kirtland AFB, Albuquerque (USA), (5) Lynker, Boulder (USA)*	
09:30 - 09:45	**Supporting Space Weather with Nanosatellites: The Italian Space Agency Contribution** Alessandro Turchi (1) *(1) Agenzia Spaziale Italiana, Rome (ITALY)*	
09:45 - 10:00	**Combining Vigil with sub-L1 missions on distant retrograde orbits** Christian Moestl (1), Eva Weiler (1,2), Emma Davies (1), Hannah T. Rüdisser (1,2), Ute V. Amerstorfer (1), Tanja Amerstorfer (1), Fabiana Camattari (3,4), Noé Lugaz (5), Erika Palmerio (6) *(1) Austrian Space Weather Office, GeoSphere Austria, Graz (AUSTRIA), (2) Institute of Physics, University of Graz, Graz (AUSTRIA), (3) Department of Mathematics, University of Genoa, Genoa (ITALY), (4) National Institute for Astrophysics, Astrophysical Observatory of Torino, Torino (ITALY), (5) Space Science Center and Department of Physics and Astronomy, University of New Hampshire, Durham (USA), (6) Predictive Science Inc., San Diego (USA)*	
Limonaia Room	**Validation of Space Weather Models, Forecasts, and Services: From Research to Operations**	**OTH1**
09:00 - 09:15	**CORNERSTONE: A Reproducible Infrastructure for Solar Flare Forecasting from SHARP Magnetograms** Federico Benvenuto (1), Dario Del Moro (2), Simone Chirichini (2), Stefano Scardigli (2), Ronish Mugatwala (2), Miriana Catalano (1), Daniele Pedemonte (1), Andrea Tacchino (1) *(1) UNIVERSITÀ DEGLI STUDI DI GENOVA, GENOVA (ITALY), (2) UNIVERSITÀ DEGLI STUDI DI ROMA TOR VERGATA, ROMA (ITALY)*	
09:15 - 09:30	**The Validation of the SA Space Weather Forecast Models** Tshimangadzo M. Matamba (1,2), Donald D. Danskin (1) *(1) South African National Space Agency, Hermanus (SOUTH AFRICA), (2) Department of Physics and Electronics, Rhodes University, Makhanda (SOUTH AFRICA)*	
09:30 - 09:45	**Space Weather Forecasting Using NASA PUNCH Wide Field Imager and WIPSS Data** Bernard Jackson (1), Eric Chen (1), Sam Nasri (1), Unity Listiak (1), Vishwas Tattala (1), Kazumasa Iwai (2), Ken'ichi Fujiki (2), Mario Mark Bisi (3), Richard Fallows (3), Craig Deforest (4), Sarah Gibson (4), Punch Team (4)	

	(1) A&A Department, University of California, San Diego, CA, LaJolla (USA), (2) ISEE, Nagoya University, Achi, Nagoya (JAPAN), (3) UKRI-STFC, RAL Space, Oxfordshire, Didcot (UNITED KINGDOM), (4) Southwest Research Institute, CO, Boulder (USA)	
09:45 - 10:00	**Re-forecasting the Arrival of Coronal Mass Ejections with Poor Near Real-Time Predictions** Nariaki Nitta (1), Meng Jin (1), Kazumasa Iwai (2) *(1) Lockheed Martin Advanced Technology Center, A021S, Palo Alto (USA), (2) Nagoya University, ISEE, Nagoya (JAPAN)*	
10:00 - 11:15		
	Posters & Refreshments	**POSTER**
Auditorium	**Posters & Refreshments Followed by Live Forecast SIDC/STCE, Royal Observatory of Belgium**	
10:00 - 11:00		
Catering Area	**Coffee break**	
10:00 - 11:15		
Passi perduti	**Plenary 2**	**PL2 - Same posters as Thursday from 10:00 to 11:15 will be on display**
Passi perduti	**Long-term Solar Variability: Observations, Proxies, and Models**	**SCL1 - Same posters as Thursday from 10:00 to 11:15 will be on display**
Passi perduti	**Bridging the inner solar atmosphere to the heliosphere: Integrating low-atmospheric physics into next-generation Space Weather forecasting**	**SOL3 - Same posters as Thursday from 10:00 to 11:15 will be on display**
Passi perduti	**Advances in the assessment of geomagnetically induced currents and ground geoelectric fields**	**SWI - Same posters as Thursday from 10:00 to 11:15 will be on display**
Passi perduti	**Open Session**	**OPS - Same posters as Thursday from 10:00 to 11:15 will be on display**
Passi perduti	**Preparing for L5 and Beyond: Operational and Scientific Readiness for the ESA Vigil Mission and Future Heliospheric Observations**	**IOM1 - Same posters as Thursday from 10:00 to 11:15 will be on display**
Ballatoio	**Space Weather Missions - From Science to Operations**	**IOM2 - Same posters as Thursday from 10:00 to 11:15 will be on display**
Ballatoio	**Radio instruments and diagnostics: from source regions to space weather applications**	**HEL3 - Same posters as Thursday from 10:00 to 11:15 will be on display**
Ballatoio	**Validation of Space Weather Models, Forecasts, and Services: From Research to Operations**	**OTH1 - Same posters as Thursday from 10:00 to 11:15 will be on display**
Passi perduti & Ballatoio	**All about the solar wind and CMEs**	**HEL4 - Same posters as Thursday from 10:00 to 11:15 will be on display**
Second Floor	**Radiation Instrumentation for In-Situ Space Weather Monitoring Across the Solar System**	**IOM4 - Same posters as Thursday from 10:00 to 11:15 will be on display**

Second Floor	**Radiation Belts and plasma in the Magnetosphere**	**MIT3 - Same posters as Thursday from 10:00 to 11:15 will be on display**
Second Floor	**Education and Outreach in Space Weather: Engaging Communities and Shaping the Next Generation**	**OTH4 - Same posters as Thursday from 10:00 to 11:15 will be on display**

11:15 - 12:45

Auditorium	**Plenary 2 - The Future of Space Weather Prediction: Integrating Artificial Intelligence, Physical Models, Data and Operations**	**PL2**
	The Vigil Mission and a Pathway to AI/ML Operational Capability Matthew West (1) *(1) European Space Agency, Noordwijk (NETHERLANDS)*	
	Ten Years of Machine Learning in Space Weather: successes, challenges, and future perspective Enrico Camporeale (1) *(1) Queen Mary University of London, London (UNITED KINGDOM), (2) University of Colorado, Boulder (USA)*	

12:45 - 13:15

Auditorium	**Conference Closing**	

13:15 - 14:30

	Lunch	

14:30 - 17:30

	Optional Afternoon Workshops + E-SWAN Extended GA as needed	

16:30 - 17:30

Catering Area	**Coffee break**	