Meeting Schedule

Monday 1 July

09:00 – 11:00	Registration at University Residence (mainly for students arriving on Monday morning)
16:00 – 18:00	Registration at Venue (Convention Center, for all participants - be aware that we will distribute the vouchers for the eclipse observation and welcome reception)

Tuesday 2 July

09:00 – 11:00	Registration at Venue (Convention Center, for all participants - be aware that we will distribute the vouchers for the eclipse observation and welcome reception)
12:00 – 20:30	Eclipse observation
20:30 – …	Welcome reception (North Foyer of the Juan Victoria Auditorium - buses will stop here after the eclipse observation)

Wednesday 3 July

10:00 – 12:00	Registration at Venue (Convention Center)
13:00 – 13:30	Welcome words
	_____
Session 1	**Space Weather: An approach from the solar interior to the lower solar atmosphere** (Chair: Cristina Mandrini)
13:30 – 14:00	Forecasting Long-term Space Weather: A Dynamo Modeling Perspective (Invited) **Dibyendu Nandi**

14:00 – 14:30	Active Region Evolution and Dynamic Events (Invited) **Lidia van Driel-Gesztelyi**
14:30 – 14:45	Time variations of the non-potential and volume-threading magnetic helicities (Contributed) **Luis Linan**
14:45 – 15:00	Coronal hole flux emergence evolution (Contributed) **Judith Palacios**
15:00 – 15:15	Imaging far-side active regions: a possible improvement by Porter-Bojarski holography (Contributed) **Dan Yang**
15:15 – 15:30	On the energetics of seismically active solar flares (Contributed) **Juan Camilo Buitrago-Casas**
15:30 – 16:00	Coffee Break

Session 2	**Energy release in the low solar atmosphere and its consequences** (Chair: Lidia van Driel-Gesztelyi)
16:00 – 16:30	Particle Acceleration in Solar Flares: X/gamma ray and radio diagnostics (Invited) **Nicole Vilmer**
16:30 – 16:45	Energetic electrons in connection with coronal jets (Contributed) **Sophie Musset**
16:45 – 17:05	Recent Advances in Millimeter to Mid-Infrared Solar Physics (Solicited) **Jean-Pierre Raulin**
17:05 – 17:20	Submillimeter radiation as the thermal component of the Neupert Effect (Contributed) **Jorge Fernando Valle-Silva**

17:20 – 17:50 Solar Magnetic Flux Rope Eruption Simulated by a Data-driven Magnetohydrodynamic Model (Invited)
Yang Guo

17:50 – 18:05 Analytical Model of Particle Acceleration that Results in Power-Law Energy Spectra (Contributed)
Silvina Guidoni

Thursday 4 July

Anticipating Session 10 **Science with total solar eclipses** (Chair: Sarah Gibson)

09:30 – 10:00 The Scientific Uniqueness of Total Solar Eclipse Observations (Invited)
Shadia R. Habbal

Session 3 **Eruptive phenomena initiation and their low coronal consequences** (Chairs: Sarah Gibson, Silvina Guidoni)

10:00 – 10:30 Flare Initiation and CMEs: Observations and Mechanisms (Invited)
Lucie Green

10:30 – 10:50 Large-scale coronal waves and dimmings (Solicited)
Astrid Veronig

10:50 – 11:15 Coffee Break

11:15 – 11:30 Can we use coronal dimmings as application for space weather forecasting? (Contributed)
Karin Dissauer

11:30 – 11:45 Multiple EUV wave reflection from a coronal hole (Contributed)
Tatiana Podladchikova

11:45 – 12:00 On the Nature of Extreme Ultraviolet Waves (Contributed)
Ramesh Chandra

12:00 – 12:15	Observational and numerical characterization of a wave-like front propagating along pseudo-open field lines above an active region (Contributed) **Valeria Sieyra**
12:15 – 12:30	Coronal Mass Ejections Over Two Solar Cycles (23 & 24) (Contributed) **Philippe Lamy**
12:30 – 14:00	Lunch Break

Session 4	**CMEs: origin, peculiarities and in situ signatures** (Chair: Dipankar Banerjee)
14:00 – 14:20	Constraining the origins and evolution of coronal mass ejections (Solicited) **Sarah Gibson**
14:20 – 14:35	Stealth CME Initiation and In-Situ Signatures: What Can We Learn from Numerical Modelling? (Contributed) **Dana-Camelia Talpeanu**
14:35 – 14:50	ICMEs without Obvious Low Coronal Signatures (Contributed) **Nariaki Nitta**
14:50– 15:05	Studying stealth CMEs using advanced imaging analysis techniques (Contributed) **Jennifer O'Kane**
15:05 – 15:35	On 3D reconstruction and propagation of Coronal Mass Ejections (Invited) **Marilena Mierla**
15:35 – 16:00	Coffee Break

Session 5	**SEPs and radio emissions: Space weather connection** (Chair: Guillermo Giménez de Castro)

16:00 – 16:20 Solar and interplanetary radio bursts, including scintillation data, for forecasting CMEs/large scale solar wind structures (Solicited)
Américo González-Esparza

16:20 – 16:50 Solar energetic particles (SEPs)– observations, interpretation, and space weather consequences (Invited)
Karl-Ludwig Klein

16:50 – 17:05 Modelling the transport of solar energetic particles near a high-speed solar wind stream (Contributed)
Nicolas Wijsen

Session 6 **Coronal large-scale structure and solar wind coupling**
(Chair: Guillermo Giménez de Castro)

17:05 – 17:35 Prediction of the Structure of the Solar Corona for the July 2, 2019 Total Solar Eclipse (Invited)
Jon Linker

17:35 – 17:50 Using the Parker Solar Probe WISPR Instrument for Tomography of the Solar Corona (Contributed)
Alberto Vásquez

17:50 – 18:10 Solar sources of the slow solar wind and their interplanetary manifestations (Solicited)
David Brooks

Friday 5 July

Session 7 **Interplanetary space weather drivers**
(Chairs: Teresa Nieves-Chinchilla, Alisson Dal Lago)

09:30 – 10:00 Corotating High Speed Solar Wind Streams and Stream Interaction Regions (Invited)
Ian Richardson

10:00 – 10:15 Causes and consequences of a possible CIR-ICME driven Space Weather event (Contributed)
María Graciela Molina

10:15 – 10:30 Variation of the mean shape of the ICME/shock using in situ observations (Contributed)
Carlos Pérez-Alanis

10:30 – 10:45 Analysis of CME deflections (Contributed)
Mariana Cécere

10:45 – 11:15 Coffee Break

11:15 – 11:45 Main physical properties of Interplanetary Coronal Mass Ejections to improve the forecast of Space Weather (Invited)
Sergio Dasso

11:45 – 12:00 The generic magnetic profiles of Interplanetary Coronal Mass Ejections at Mercury, Venus and Earth: superposed epoch analyses (Contributed)
Miho Janvier

12:00 – 12:20 A Comparative Evaluation of Solar Flare Prediction Models: Lessons Learned (Solicited)
Manolis Georgoulis

12:20 – 12:35 What is needed for a satisfying CME arrival prediction? (Contributed)
Tanja Amerstorfer

12:35 – 14:00 Lunch Break

Session 8 **Tools and simulations for space weather prediction**
(Chair: Américo González-Esparza)

14:00 – 14:30 CCMC's Space Weather Tools – Forecasting for NASA's Robotic Missions (Invited)
Yaireska Collado-Vega

14:30 – 14:45	Global-MHD & Test-Particle Simulations of Radiation Belt evolution during shock-driven magnetospheric compressions (Contributed) **Ravindra Desai**
14:45 – 15:00	Predicting Radiation Variability in Earth's Magnetosphere (Contributed) **Alex Glocer**

Anticipating Session 11	**Missions and instrumentation with space weather applications** (Chair: Américo González-Esparza)
15:00 – 15:20	PROBA-3/ASPIICS: a Giant Formation Flying Coronagraph, and Its Contribution to the Studies of Coronal Mass Ejections (Solicited) **Andrei Zhukov**
15:20 – 15:35	Parker Solar Probe: Mission Status and Outlook (Contributed) **Teresa Nieves-Chinchilla**
15:35 – 16:00	Coffee Break

Session 9	**Short time-scale radiation variations and space weather implications** (Chair: Marcelo López Fuentes)
16:00 – 16:30	Solar irradiance variability on flare timescales: measurements and modeling (Invited) **Phillip Chamberlin**
16:30 – 16:50	Intermediate Timescale Solar Spectral Irradiance Variability and its Impacts (Solicited) **James Klimchuk**
16:50 – 17:05	Statistical Study of Solar Flares Observed in Lyman-alpha Emission During Solar Cycle 24 Using GOES-15 (Contrib.) **Ryan Milligan**

Session 10	**Science with total solar eclipses** (Chair: Marcelo López Fuentes)
17:05 – 17:25	Total Eclipse Expedition of KASI (Solicited) **Su-Chan Bong**
17:25 – 17:45	“Megamovie” Programs for 2017 and 2024 (Solicited) **Hugh Hudson**
17:45 – 18:05	The 2017 Great American Eclipse: NASA efforts and accomplishments (Solicited) **C. Alex Young**
	———————————
20:30 – …	Closing Dinner

Saturday 6 July

Session 11	**Missions and instrumentation with space weather applications** (Chairs: Bernhard Fleck, Hebe Cremades)
09:30 – 10:00	Solar Orbiter: a mission to study the Sun and the inner heliosphere (Invited) **Luca Teriaca**
10:00 – 10:30	Space Weather and Sun Climate with Aditya-L1 (Invited) **Durgesh Tripathi**
10:30 – 10:45	Space Weather Studies from Aditya’s Coronagraph (Contributed) **Dipankar Banerjee**
10:45 – 11:15	Coffee Break
11:15 – 11:30	Exploring the Transition Corona with the Coronal Spectrographic Imager in the EUV (COSIE) (Contributed) **Leon Golub**

11:30 – 11:45	The 7 GHz solar radio polarimeter: development of tracking automation and acquisition data codes (Contributed) **Ray Fernando Hidalgo-Ramírez**
11:45 – 12:00	Results of the installation of the Latin American Giant Observatory Space Weather Node at the last Antarctic Campaign (Contributed) **Adriana María Gulisano**
12:00 – 12:20	The Space Weather Efforts in Latin-America (Solicited) **Joaquim Costa**
12:20 – 12:30	Closing

Out of Schedule: Space weather programs
(Chair: Sergio Dasso)

12:30 – 12:40	Present and Future Opportunities for Geospace Science Research at NSF **Ilia Roussev**
12:40 – 13:10	Discussion – Operative space weather in Latin America **Joaquim Costa, Sergio Dasso, Américo González-Esparza**