

**Space Weather Workshop  
Westin Hotel– Westminster, CO  
April 16-20, 2018**

**EPoster Schedule**

Tuesday April 17

**Solar and Interplanetary Research and Applications**

- 10:00 Station 1**     **Panasenco, Olga** (Advanced Heliophysics)  
**Poster Number: S26**  
**Poster - Predicting the Orientation of the Bz Component of CMEs**  
**Authors:** Marco Velli (UCLA)
- 10:00 Station 2**     **Bisi, Mario** (Science & Technology Facilities Council - Rutherford Appleton Laboratory)  
**Poster Number: S27**  
**Poster - LOFAR4SpaceWeather (LOFAR4SW): Increasing European Space-Weather Capability with Europe's Largest Radio Telescope**  
**Authors:** Mario M. Bisi (1), René Vermeulen(2), Richard A. Fallows (2), Nicole Vilmer (3), Hanna Rothkaehl (4), Joris Verbiest (5), Peter T. Gallagher (6), Michael Olberg (7), Maaijke Mevius (1), and Stuart C. Robertson (1)
- 10:30 Station 1**     **Singh, Talwinder** (Univ. of Alabama in Huntsville)  
**Poster Number: S28**  
**Poster - CME Simulations Using Gibson-Low Flux Rope Model with Input Parameters Derived from Multi-view Coronagraph Observations**  
**Authors:** Mehmet S. Yalim, Nikolai Pogorelov
- 10:30 Station 2**     **Pogorelov, Nikolai** (University of Alabama in Huntsville)  
**Poster Number: S29**  
**Poster - Towards Real-time Modeling of Solar Atmosphere and Inner Heliosphere with the Multi-Scale Fluid-Kinetic Simulation Suite**  
**Authors:** David Hathaway, Tae Kim, Yang Liu, Talwinder Singh, Lisa Upton, and Mehmet Yalim
- 3:30 Station 1**     **Tsiftsi, Thomai** (Universidad Nacional Autonoma de Mexico (UNAM))  
**Poster Number: S30**  
**Poster - Statistical Analysis of Severe Solar Flare Events Using Extreme Value Theory**  
**Authors:** Thomai Tsiftsi, Victor De la Luz
- 3:30 Station 2**     **Lindsey, Charles** (NorthWest Research Associates)  
**Poster Number: S31**

**Poster - New Space-Weather Forecasting Applications of Seismic Monitoring of the Sun's Far Hemisphere**

**Authors:** Charles Lindsey, Joseph Werne, Alina Donea

**4:00 Station 1**

**Jackson, Bernard** (University of California, San Diego)

**Poster Number: S32**

**Poster - Iterative Heliospheric Tomography Analyses Using Time-Dependent 3-D MHD Models as Kernels**

**Authors:** Hsiu-Shan Yu, P. Paul Hick, Andrew Buffington, Dusan Odstrcil, and Nick Pogorelov

**4:00 Station 2**

**Panasenco, Olga** (Advanced Heliophysics)

**Poster Number: S33**

**Poster - The Solar Wind from Pseudostreamers and their Environs:**

**Opportunities for Observations with Parker Solar Probe and Solar Orbiter**

**Authors:** Marco Velli (UCLA), Aram Panasenco (UCLA), Roberto Lionello (PSI)

Wednesday April 18

**Ionosphere Research and Applications and General Space Weather Services and Education**

**10:00 Station 1**

**De la Luz, Victor** (Universidad Nacional Autonoma de Mexico)

**Poster Number: I13**

**Poster - azTEC: TEC Maps Near to Real Time over Mexico**

**Authors:** Maria Sergeeva, Mario Rodríguez, Américo González-Esparza, Esmeralda Romero

**10:00 Station 2**

**Ghoddousi-Fard, Reza** (Natural Resources Canada)

**Poster Number: I14**

**Poster - High latitude GPS and GLONASS 1Hz Phase Rate Measurements During Geomagnetic Storms: Case Studies**

**Authors:** Reza Ghoddousi-Fard, Paul Prikryl, Knut S. Jacobsen, Tibor Durgonics, François Lahaye

**10:30 Station 1**

**Maruyama, Naomi** (NOAA/NWS)

**Poster Number: I15**

**Poster - Impact of Lower Atmospheric Forcing on Storm Time Response of the Ionosphere-Plasmasphere-Magnetosphere Coupling**

**Authors:** Joe Schoonover, George Millward, Tzu-Wei Fang, Tim Fuller-Rowell, Adam Kubaryk, Zhuxiao Li, Houjun Wang, Rashid Akmaev, Valery Yudin, Bob Oehmke, Cecelia Deluca, Raffaele Montuoro, Weiyu Yang, Mark Iredell, Sam Trahan, Jacques Middlecoff, Mark Govett, Mariangel Fedrizzi, Rodney Viereck,

Mick Denton, Michael Henderson, Yuki Obana, Toshi Nishimura, Marc Hairston, Anthea Coster, Phil Richards, Jimmy Raeder

- 2:45 Station 1**      **Cherkos, Alemayehu** (Addis Ababa University)  
**Poster Number: G6**  
**Poster - Effect of Viscosity on Propagation of MHD Waves in Astrophysical Plasma**  
**Authors:** S. B. Tessema
- 2:45 Station 2**      **Poduval, Bala** (Space Science Institute)  
**Poster Number: G7**  
**Poster - Methods of Improving Space Weather Prediction**  
**Authors:** Bala Poduval

Thursday April 19

**Magnetosphere Research and Applications**

- 10:00 Station 1**      **Lucas, Greg** (USGS)  
**Poster Number: M17**  
**Poster - Calculating Realistic Voltages Across the US Power Grid Utilizing Measured Impedances and Magnetic Fields**  
**Authors:** Greg M. Lucas, Jeffrey J. Love, Anna Kelbert, Paul A. Bedrosian, E. Joshua Rigler
- 10:00 Station 2**      **Woodroffe, Jesse** (Los Alamos National Laboratory)  
**Poster Number: M18**  
**Poster - A Global Perspective on Geomagnetic Disturbances**  
**Authors:** Jesse Woodroffe, Michael Henderson
- 10:30 Station 1**      **Shekhar Sapna** (Dartmouth College)  
**Poster Number: M19**  
**Poster - Predictive Model for the Determination of Spatial extent of Relativistic Electron Precipitation from the Radiation Belts**  
**Authors:** Robyn Millan
- 10:30 Station 2**      **Tenishev, Valeriy** (University of Michigan)  
**Poster Number: M20**  
**Poster - Energetic Particle Radiation in Earth' Magnetosphere and Its Variability in Response to That of the Sun**  
**Authors:** Igor Sokolov, Tamas Gombosi
- 3:30 Station 1**      **Zheng, Yihua** (NASA Goddard Space Flight Center)  
**Poster Number: M21**

**Poster - Assessment of Radiation and Plasma Environment Modeling Capabilities**

**Authors:** Yihua Zheng, Natalia Ganushkina, Timothy B Guild, Pier Jiggins, Insoo Jun, Joseph E. Mazur, Matthias Meier, Joseph I Minow, Dave Pitchford, Paul O'Brien, Yuri Shprits, W. Kent Tobiska, Michael A. Xapsos, M. M. Kuznetsova