2019 Space Weather Workshop Poster Program
Embassy Suites Hotel Boulder

Tuesday, April 2

Solar and Interplanetary Research and Applications

Henney, Carl (Air Force Research Laboratory)
Poster Number: S1
Poster - ADAPT Global Solar Magnetic Maps with Reverse Active Region Modeling
Co-authors: Kathleen Shurkin, C. Nick Arge

Jones, Shaela (Catholic University of America /NASA GSFC)
Poster Number: S2
Poster - Ranking ADAPT Model Maps
Co-authors: C. Nick Arge, Samantha Wallace, Carl J. Henney

Schonfeld, Samuel (USRA/NASA)
Poster Number: S3
Poster – Correcting F10.7 for Use in Ionosphere/Thermosphere Models
Co-authors: Stephen White, Rachel Hock-Mysliwiec, Carl Henney, James McAteer

Singh, Talwinder (University of Alabama, Huntsville)
Poster Number: S4
Poster – MHD simulation of Gibson-Low Flux-rope Based CME Constrained Using Observations

Petersen, Alicia (University of Michigan)
Poster Number: S5
Poster - Now-Casting Interplanetary Coronal Mass Ejections Using Observations of Solar Wind Heavy Ions
Co-authors: Susan Lepri, Michael Liemohn, Abigail Azari

De Koning, Curt (University of Colorado)
Poster Number: S6
Poster - In-Depth Analysis of the 2010 April 3 CME
Co-authors: Craig E DeForest, Dusan Odstrcil

DeForest, Craig (Southwest Research Institute)
Poster Number: S7
Poster - Determining CME Leading Bz with Polarized Imaging
Co-authors: C. A. de Koning, H.A. Elliott, and S. E. Gibson

DeForest, Craig (Southwest Research Institute)
Poster Number: S8
Poster – PUNCH: A Mission for 3D Imaging of Space Weather in the Inner Heliosphere
Co-authors: The PUNCH Team

Hurlburt, Neal (Lockheed Martin ATC)
Poster Number: S9
Poster - Estimating Velocities in SUVI-ECI Data
Co-authors: Ralph Seguin

Sadykov, Viacheslav (New Jersey Institute of Technology)
Poster Number: S10
Poster – Enhancement of Binary and Probabilistic SWPC NOAA Flare Forecast by Using Machine Learning Algorithms
Co-authors: Alexander G Kosovichev, Irina N Kitiashvili

Garton, Tadhg (Trinity College Dublin)
Poster Number: S11
Poster - Expansion of High Speed Solar Wind Streams through the Inner Heliosphere and the Prediction of their Properties at L1
Co-authors: Sophie A. Murray, Peter T. Gallagher

Den, Mitsue (National Institute of Information and Communications Technology)
Poster Number: S12
Poster - Forecast of Fast Solar Wind Using Global 3D MHD Simulation from the Sun to 1AU with an Empirical Coronal Heating Model
Co-authors: Takashi Tanaka, Yuki Kubo, Shinichi Watari

Biesecker, Douglas (NOAA Space Weather Prediction Center)
Poster Number: S13
Poster - The Sunspot Number Was Corrected By 1.66? So What is SWPC Doing About It
Co-authors: Frederic Clette

Miao, Juan (National Space Science Center, Chinese Academy of Science)
Poster Number: S14
Poster - Is cycle 25 smaller than cycle 24?
Co-authors: LiuSiqing, LI Zhitao, Ren Tingling

Wang, Jingjing (National Space Science Center, CAS)
Poster Number: S15
Poster – An Operational Solar Wind Prediction System Transitioning Fundamental Science to Operations
Co-authors: X. Ao, Y. Wang, C. Wang, Y. Cai, B. Luo, S. Liu, C. Shen, B. Zhuang, X. Xue, J. Gong

Luo, Bingxian (National Space Science Center, Chinese Academy of Sciences)
Poster Number: S16
Poster - Verification of Solar Wind Predictions by Different Empirical Models
Co-authors: Xuan Bu, Siqing Liu, Jiancun Gong

Renfroe, Kyle (University of Alabama in Huntsville)
Poster Number: S17
Poster – Bulk Properties of Interstellar Pickup Ions in the Solar Wind Derived from Ulysses Measurements
Co-authors: Nikolai Pogorelov, Tae Kim

Rose, Randy (SouthWest Research Institute)
Poster Number: S18
Poster – Combining New Space and Old Space for a Revolutionary SWFO-L1 Solution
Co-authors: Peter Roming

Chua, Damien (US Naval Research Laboratory)
Poster Number: S19
Poster - The Compact Heliospheric Imager (CHI): An R2O Instrument Concept for the NOAA SWFO L1 Mission
Co-authors: Clarence M. Korendyke, Dennis G. Socker, Arnaud Thernisien, Mario Noya

Vogt, Cornelius (Airbus Defense and Space)
Poster Number: S20
Poster – The Lagrange Space Weather Mission to L5
Co-authors: Vasco Pesquita, Bettina Oexl, Airbus Project Team

Vassiliadis, Dimitris (NOAA/NESDIS)
Poster Number: S21
Poster – The NOAA Coronal Mass Ejection Imager for Space Weather Forecasting
Co-authors: Kevin Tewey, Dan Mamula, Marco Vargas, Larry Zanetti, Jacob Inskeep, MaryKae Lockwood, Richard Ullman, Elsayed Talaat

Berger, Thomas (University of Colorado Boulder)
Poster Number: S22
Poster - The Solar Polar Observing Constellation (SPOC) Mission
Co-authors: Nicole Duncan, Natasha Bosanac, Thomas Smith, Ian Elliott, Chris Sullivan, Jeff Van Cleve, Mark Shannon, Lisa Upton

Darnel, Jonathan (University of Colorado)
Poster Number: S23
Poster - Using the GOES SUVI to Observe the Solar Corona
Co-authors: D. B. Seaton, M. Tilton

Miller, Scott (CFD Research Corporation)
Poster Number: S24
Poster - Novel Software Application to Forecast Solar Events and their Effects
Co-authors: Ashok Raman, Dan Howe, David Falconer, Igor Khazanov, Gang Li, Shuai Fu, Kevin Warren, Brian Sierawski, Robert Reed, Munther Hindi

Woods, Thomas (University of Colorado)
Poster Number: S25
Poster – Community Input Solicited for Heliophysics Decadal Survey Midterm Assessment Committee
Co-authors: Robyn Millan, Art Charo, Tim Bastian, Monica Bobra, Anthea Coster, Ed DeLuca, Scott England, Stephen Fuselier, Ramon Lopez, Janet Luhmann, Katariina Nykyri, Jens Oberheide, Merav Opher, Karel Schrijver, Josh Semeter, Jeff Thayer, Alan Title

Odstrcil, Dusan (George Mason University) *e-Poster
Poster Number: S26 - 9:45-10:00 & 3:15-3:30 on Screen 1
Poster - Recent Enhancements of the WSA-ENLIL-Cone Modeling System

Jackson, Bernard (University of California, San Diego) *e-Poster
Poster Number: S27 - 9:45-10:00 & 3:15-3:30 on Screen 2
Poster - The UCSD Iterative Interplanetary Scintillation (IPS) Analysis Operation Using an ENLIL 3-D MHD Model Kernel
Co-authors: Dusan Odstrcil, P. Paul Hick, Andrew Buffington, Munetoshi Tokumaru, Mario M. Bisi

Wu, Chin-Chun (Naval Research Laboratory) *e-Poster
Poster Number: S28 - 10:00-10:15 & 3:30-3:45 on Screen 1
Poster – Modeling Inner Boundary Values at 18 Solar Radii During Solar Quiet time for Global Three-dimensional Time-Dependent Magnetohydrodynamic Numerical Simulation
Co-authors: Kan Liou, Simon Plunkett, Dennis Socker, Y.M. Wang, Brian Wood, S. T. Wu, Murray Dryer, and Christopher Kung

Angryk, Rafal (Georgia State University) *e-Poster
Poster Number: S29 - 10:00-10:15 & 3:30-3:45 on Screen 2
Poster - Multivariate Time Series Dataset for Space Weather Machine Learning
Co-authors: Petrus C. Martens, Berkay Aydin, Dustin Kempton, Sushant S. Mahajan, Sunitha Basodi, Azim Ahmadzadeh, Soukaina Filali Boubrahimi, Shah Muhammad Hamdi, Michael A. Schuh, Manolis K. Georgoulis

Wu, Chin-Chun (Naval Research Laboratory) *e-Poster
Poster Number: S30 - 10:15-10:30 & 3:45-4:00 on Screen 1
Poster – The 04-10 September 2017 Sun-Earth connection events: Solar Flares, Coronal Mass Ejections/Magnetic Clouds, and Geomagnetic Storms
Co-authors: Kan Liou, Ronald P. Lepping, and Lynn Hutting

Leka, KD (NorthWest Research Associates and Nagoya University) *e-Poster
Poster Number: S31 - 10:15-10:30 & 3:45-4:00 on Screen 2
Poster - Photospheric Magnetic Field Properties of Flaring vs. Flare-quiet Active Regions, V: Results from HMI
Co-authors: Graham Barnes

Kim, Roksoon (Korea Astronomy and Space Science Institute) *e-Poster
Poster Number: S32 - 10:30-10:45 & 4:00-4:15 on Screen 1
Poster - Coronagraph on ISS

Ganjushkina, Natalia (University of Michigan) *e-Poster
Poster Number: S33 - 10:30-10:45 & 4:00-4:15 on Screen 2
Poster - Operational Inner Magnetosphere Particle Transport and Acceleration Model for keV Electrons

Wednesday, April 3

Ionosphere and Thermosphere Research and Applications and General Space Weather Services

Yuan, Tianjiao (National Space Science Center, Chinese Academy of Sciences)
Poster Number: I1
Poster – Prediction Model for Ionospheric Total Electron Content Based on Deep Learning Recurrent Neural Network
Co-authors: Yanhong Chen, Siqing Liu, Jiancun Gong

Chen, Yanhong (National Space Science Center)
Poster Number: I2
Poster - The Derivation and Verification of a Regional Ionospheric TEC Disturbance Index
Co-authors: Yue Chen, Panfeng Li, Youzuo Lin, Geoffrey Reeves

Angling, Matthew (Spire)
Poster Number: I3
Poster - On a 4D Ionospheric Data Assimilation Model Using Spire Radio Occultation Data
Co-authors: F-X Bocquet, T. M. Duly, V. A. Nguyen, O. Nogues-Correig, L. Tan, T. Yuasa, D. Masters, J. Cappaert, J. Spark

Shifrin, Caleb (United States Military Academy)
Poster Number: I4
Poster – PFISR Electron Density Visualization analysis for GPS Scintillation experienced at Poker Flat Research Range

O'Neill, Andrew (Penn State University)
Poster Number: I5
Poster - Space Weather-Sondes: Development of Distributed Satellite Networks for F-Region Investigation
Co-authors: Sven Bilen, Julio Urbina, Tim Kane

Barbrow, Seth (United States Military Academy)
Poster Number: I6
Poster - STK Scenario Development to Predict GPS and PFISR Beam Conjunctions for Periodic and On-demand Scintillation Research

Nugent, Luke (University of Birmingham)
Poster Number: I7
Poster - Probabilistic forecasting of low latitude ionospheric scintillation
Co-authors: Sean Elvidge, Matthew James Angling

Zakharenkova, Irina (University of Warmia and Mazury)
Poster Number: I8
Poster – Advances of Ground and Space-based GPS Measurements for Specification of Storm-induced Ionospheric Irregularities
Co-authors: Iurii Cherniak, Andrzej Krankowski

Zakharenkova, Irina (University of Warmia and Mazury)
Poster Number: I9
Poster – Large Scale Traveling Ionospheric Disturbances: Origin and Propagation
Co-authors: Iurii Cherniak

Fiori, Robyn (Natural Resources Canada)
Poster Number: I10
Poster - Characterizing Auroral Absorption Based on Geomagnetic Hourly Range
Co-authors: L. Trichtchenko, S. Groleau

Gentile, Louise (Air Force Research Laboratory)
Poster Number: I11
Poster - The Kiritimati Equatorial Ionospheric Observatory (KEIO) Project
Co-authors: T. R. Pedersen, E. V. Dao, K. S. Obenberger, J. M. Holmes, J. W. Hines, R. F. Kelly, Z. T. Balint, K. Robinson, J. Moses, S. Kumar

Tsui, Chiwa (Assurance Technology Corporation)
Poster Number: I12
Poster – First Light for Metop-C Space Environment Monitor (SEM-2)
Co-authors: Rob Redmon, Juan Rodriguez, Sam Tsui, Bronek Dichter

Lee, I-Te (Central Weather Bureau)
Poster Number: I13
Poster - Transited Products to Operation for Space Weather at CWB/SWOO in Taiwan
Co-authors: Mark Cheng, Jyun-Ying Huang, Hsu-Hui Ho

Forsyth, Jennifer (MITRE)
Poster Number: I14
Poster - Analytic and Experimentation Capabilities for Arctic Communications and Operations
Co-authors: Scott Bento

Sultan, Peter (The MITRE Corporation)
Poster Number: I15
Poster - A Parameterized Model of X-Ray Solar Flare Effects on the Lower Ionosphere and HF Propagation
Co-authors: Edlyn Levine, Lucien Teig

Schaefer, Robert (Johns Hopkins University Applied Physics Lab)
Poster Number: I16
Poster – Full Spectrographic Ultraviolet Observations of the Upper Atmosphere
Co-authors: Y. Zhang, L. Paxton, H. Kil, B. Wolven, G. Romeo, P. Dandenault

Wu, Qian (National Center for Atmospheric Research)
Poster Number: I17
Poster – New Thermospheric Wind Observations at NCAR
Co-authors: Delores Knipp, Wenbin Wang, J. Liu

Bernstein, Valerie (University of Colorado, Boulder)
Poster Number: I18
Poster - Investigating TIEGCM Sensitivities in Predictions of Low Earth Orbit Atmospheric Drag
Co-authors: Andrew Walker, Piyush Mehta, Delores Knipp

Yudin, Valery (University of Colorado Boulder)
Poster Number: I19
Poster – Longitudinal Variability of Wave Dynamics and its Representation in Weather Models Extended into the Mesosphere and Thermosphere
Co-authors: S. I. Karol, R. A. Akmaev, T. J. Fuller-Rowell, D. Kleist, J. Wang, J. Alpert, A. Kubaryk, C. Thompson

Meier, Matthias M. (German Aerospace Center)
Poster Number: I20
Poster - First Steps Toward the Verification of Models for the Assessment of the Radiation Exposure at Aviation Altitudes During Quiet Space Weather Conditions
Co-authors: Kyle Copeland, Daniel Matthiae, Christopher J. Mertens, Kai Schennetten

Mertens, Christopher (NASA Langley Research Center)
Poster Number: I21
Poster - Nowcast of Atmospheric Ionizing Radiation for Aviation Safety (NAIRAS) Model Version 2: Preliminary Results

Tobiska, W. Kent (Space Environment Technologies)
Poster Number: I22
Poster – ARMAS and RADIAN: Progress Towards Operational Aviation Radiation Monitoring and Forecasting
Co-authors: The ARMAS Team

Roelant, Patrick (Millersville University of Pennsylvania)
Poster Number: I23
Poster – Relationship Between High Energy Actinic Flux and Particle Number Density
Co-authors: Tony Iampitro, Gabriela Himmele

Carlson, Samantha & Fleming, Rhiannon (Millersville University of Pennsylvania)
Poster Number: I24
Poster - Radiation Profiles During a Quiescent Sun
Co-authors: Samuel Reams, Noah Stitely

Kubo, Yuki (National Institute of Information and Communications Technology)
Poster Number: I25
Poster - WASAVIES (WArning System for AVIatin Exposure to Solar energetic particles)
Co-authors: Tatsuhiko Sato, Ryuho Kataoka, Daikou Shiota, Mamoru Ishii, Hiroshi Yasuda, Syoko Miyake, InChun Park, Yoshizumi Miyoshi

Federico, Gasperini (University Corporation of Atmospheric Research)
Poster Number: I26
Poster - Preliminary Evidence of Madden-Julian Oscillation Effects on Tropospheric Ultra-fast Kelvin Waves in the Thermosphere
Co-authors: Hanli Liu

Loper, Robert (Air Force Institute of Technology)
Poster Number: I27
Poster - Carrington-class Events as a Great Filter for Electronic Civilizations in the Drake Equation

Tilton, Meg (Cooperative Institute for Research in Environmental Sciences)
Poster Number: I28
Poster – Accessing NOAA's Space Weather Satellite Data: POES, GOES, and DSCOVR Products
Co-authors: Stefan Codrescu, Rob Redmon, Dan Seaton, William Rowland

Housseal, Sara (Millersville University of Pennsylvania)
Poster Number: I29
Poster - Analysis of Citizen Science Aurora Data Collected by Aurorasaurus in 2017

Cook, Michael (University of North Dakota)
Poster Number: I30
Poster - Space Weather Policy and Citizen Science
Co-authors: Michael Dodge

Craft, James (Laboratory for Atmospheric and Space Physics)
Poster Number: I31
Poster - SWx TREC: An Open Space Weather (SWx) R2O Development and Testbed Environment
Co-authors: Chris Pankratz, Thomas Berger, Jeffrey Thayer, Thomas Baltzer, Daniel Baker

Halford, Alexa (The Aerospace Corporation)
Poster Number: I32
Poster - A Framework for Tracking Progress Towards Usability: Application Usability Levels
Co-authors: Adam Kellerman, Barbara Thompson, Antti Pulkkinen, Katherine Garcia-Sage, and the Assessment of Understanding and Quantifying Progress iLWS Working Group

Costa, Joaquim (National Institute for Space Research) *e-Poster
Poster Number: I33 - 10:00-10:15 & 2:50-3:05 on Screen 1
Poster - The EMBRACE (Brasilia) Services for Space Weather
Co-authors: C. Wrasse, M. Banik, C. De Nardin

Redmon, Robert (NOAA/NCEI) *e-Poster
Poster Number: I34 - 10:00-10:15 & 2:50-3:05 on Screen 2
Poster – Metop-C Space Environment Monitor (SEM-2)
Co-authors: Juan Rodriguez, Sam Tsui

Mehta, Piyush (West Virginia University) *e-Poster
Poster Number: I35 - 10:15-10:30 & 3:05-3:20 on Screen 1
Poster - Data-Driven Science and Engineering for Space Situational Awareness

Baltzer, Tom (University of Colorado, LASP) *e-Poster
Poster Number: I36 - 10:15-10:30 & 3:05-3:20 on Screen 2
Poster - Web Applications and Services in Support of Science Data Access, 'Fusion', Visualization and Download
Co-authors: Doug Lindholm, Anne Wilson, Chris Pankratz, and the LASP Web Team

Ishii, Mamoru (National Institute of Information and Communications Technology) *e-Poster
Poster Number: I37 - 10:30-10:45 & 3:20-3:35 on Screen 1
Poster - Update of Japanese Space Weather Research and Operation Activities

Baltzer, Tom (University of Colorado, LASP) *e-Poster
Poster Number: I38 - 10:30-10:45 & 3:20-3:35 on Screen 2
Poster - The University of Colorado Space Weather TREC Portal
Co-authors: Thomas E. Berger, Jennifer Knuth, Doug Lindholm, Anne Wilson, Chris Pankratz, and the LASP Web Team

Thursday, April 4

Geospace/Magnetosphere Research and Applications

Kelbert, Anna (United States Geological Survey)
Poster Number: G1
Poster - Geoelectric Field Maps: Data-driven and Model-driven Approaches to Real-time Geoelectric Field Estimation
Co-authors: Christopher C. Balch, Greg M. Lucas, Rui Sun

Kouassi, N'Guessan (Université Félix Houphouët-Boigny, Abidjan, Cote d'Ivoire)
Poster Number: G2
Poster - Geomagnetically Induction Effects Related to Impulsive Space Weather Events at Low Latitudes
Co-authors: Vafi Doumbia , Kouadio Boka

Lucas, Greg (United States Geological Survey)
Poster Number: G3
Poster - Hazard Analysis of Geomagnetically Induced Voltages Throughout the US Power Grid
Co-authors: Jeffrey J. Love, Anna Kelbert, Paul A. Bedrosian, E. Joshua Rigler

Pokhrel, Santosh (University of Utah)
Poster Number: G4
Poster - Regional FDTD Modeling of GICs during Solar Storms
Co-authors: Jamesina J. Simpson, Anna Kelbert, Daniel Welling, Michael Liemohn

Covington, Jay (Cybersecurity and Infrastructure Security Agency, USDHS)
Poster Number: G5
Poster - Solar EMP Preparedness on the Homeland Security Information Network
Co-authors: Ben Sheppard, Edwin Martinez

Sokolova, Olga (Peter the Great St. Petersburg Polytechnic University)
Poster Number: G6
Poster – Thirty Years after Hydro-Quebec Blackout, Current Activities in Support of Russian Critical Infrastructure Protection to Space Weather Effects
Co-authors: Yaroslav Sakharov, Vasilii Selivanov

Young, Shawn (Air Force Research Laboratory)
Poster Number: G7
Poster – A Comparison of the Magnetospheric Specification Model and the Magnetospheric Specification and Forecast Model as Possible Inputs for a Surface Charging Specification
Co-authors: Robert V. Hilmer, Steven O'Malley

Benson, Jennifer (Delta Solutions & Strategies, LLC)
Poster Number: G8
Poster - Relationship of >2 MeV Electron Fluence and Geomagnetic Storming Near Solar Minimum

Zhong, Qiuzhen (National Space Science Center, Chinese Academy of Sciences)
Poster Number: G9
Poster – Quantitative Prediction of High-Energy Electron Integral Flux at Geostationary Orbit Based on Deep Learning
Co-authors: LIhang Wei, Ruilin Lin, Jingjing Wang, Siqing Liu

Roeder, James (The Aerospace Corporation)
Poster Number: G10
Poster – Long Term Charge Buildup and Dissipation in Spacecraft Materials
Co-authors: Colby Lemon, Joe Fennell

Green, Janet (Space Hazards Applications, LLC)
Poster Number: G11
Poster - Applications for Satellite Anomaly Attribution
Co-authors: R. Quinn, T.P. O'Brien, Y. Shprits, J. Likar, A. Kellerman, S. Claudpierre, D. Turner, A. Boyd, P. Whelan, N. Reker

Barani, Mohammad (West Virginia University)
Poster Number: G12
Poster - Azimuthal Mode Structure of ULF Waves Based on Multiple GOES Satellite Observations
Co-authors: Weichao Tu, Theodore Sarris

Yi, Wonhyeong (Korea Meteorological Administration)
Poster Number: G13
Poster – How Well Planetary Geomagnetic Disturbance Index (Kp) is Correlated with the Local Indices at North America and East Asia?
Co-authors: Jiyoung Kim

Balikhin, Michael (The University of Sheffield)
Poster Number: G14
Poster - NARMAX Based Tools for Space Weather Forecast Resulting from the PROGRESS Project
Co-authors: Richard J. Boynton, Simon N. Walker

Yang, Xiaochao (National Space Science Center, Chinese Academy of Sciences)
Poster Number: G15
Poster – A Statistical Study of Commonly Used Magnetic Models Performances in the Region of MEOs

Wold, Alexandra (University of Colorado Boulder)
Poster Number: G16
Poster – Measuring Geomagnetic Cutoff with GPS Energetic Proton Data
Co-authors: Matthew R. Carver, Steven K. Morley

Mitchell, Elizabeth (Johns Hopkins University Applied Physics Laboratory)
Poster Number: G17
Poster - Sensitivity of OVATION Prime-2013 to Changes in the Solar Wind

Kress, Brian (University of Colorado Boulder)
Poster Number: G18
Poster - New Data from NOAA's First Plasma Instrument at Geosynchronous
Co-authors: A. Boudouridis, and J. V. Rodriguez

Boudouridis, Athanasios (University of Colorado Boulder)
Poster Number: G19
Poster - Calibration/Validation Efforts for Magnetospheric Plasma Sensor Low Energy, the New Plasma Instrument Onboard NOAA's GOES-16/-17 Satellites
Co-authors: Brian T. Kress, Juan V. Rodriguez

Califf, Sam (NOAA/NCEI)
Poster Number: G20
Poster - Arcjet Thruster Influence on Local Magnetic Field Measurements from the GOES-16 Magnetometer
Co-authors: Paul Loto'aniu, Derrick Early, Rob Redmon, Juan Rodriguez, Brian Kress, Mike Grotenhuis

McCandless, Martin (Hollings SWPC)
Poster Number: G21
Poster - Modeling the Variability in Thermospheric Mass Density
Co-authors: Mariangel Fedrizzi, Tim Fuller-Rowell, Zhuxiao Li, Tzu-Wei Fang, Naomi Maruyama, Joseph Schoonover, George Millward, Rodney Viereck

Seki, Daikichi (Kyoto University)
Poster Number: G22
Poster – Small-scale Motions in Solar Filaments as the Precursors of Eruptions
Co-authors: Kenichi Otsuji, Hiroaki Isobe, Takako T. Ishii, Kiyoshi Ichimoto, Kazunari Shibata

Caraballo, Ramon (Universidad Nacional Autonoma de Mexico) *e-Poster
Poster Number: G23 - 10:00-10:15 & 3:30-3:45 on Screen 1
Poster - First Estimates of Geomagnetically Induced Currents in the Mexican Power Grid
Co-authors: Americo Gonzalez Esparza

Kim, Jiyoung (Korea Meteorological Administration) *e-Poster
Poster Number: G24 - 10:00-10:15 & 3:30-3:45 on Screen 2
Poster - Satellite-based Space Weather Observation by Korea Space Weather Monitor (KSEM)
Co-authors: Daehyeon Oh

Gary, Dale (New Jersey Institute of Technology) *e-Poster
Poster Number: G25 - 10:15-10:30 & 3:45-4:00 on Screen 1
Poster - Advances in Solar Radio Instrumentation for Space Weather
Co-authors: Bin Chen, Gregory Fleishman, Gelu Nita, Sijie Yu