

The Fourteenth Edition of the Solar-Terrestrial Physics Symposium (STP14)

York University, Toronto, Canada

July 9 -13, 2018

Poster Program

POSTERS 1.1 [total 9]

Selvakumaran Ravindran [134]	Solar-magnetosphere coupling investigation for intense geomagnetic storms of solar cycle 24
Astrid Veroniq [36]	Which factors of an AR determine whether a strong flare will be CME associated or not?
Ange Cyntia Umuhire [31]	Characterization of CMEs from Associated high frequency Solar Radio Bursts detected with CALLISTO Spectrometers
Karin Dissauer [132]	Studying the early evolution of Earth-directed CMEs by analyzing coronal dimmings
Sachiko Akiyama - [121]	The width differences of halo coronal mass ejections between solar cycles 23 and 24
Tatiana Podladchikova [55]	CME acceleration and EUV wave kinematics for September 10th 2017 event
Dominique Fontaine [146]	Role of the terrestrial bow shock on the geoeffectivity of magnetic clouds
Gaurav Bharti [133]	The effect of space weather on sodium airglow emission
Lauri Holappa [140]	Geomagnetic activity driven by coronal mass ejections: latitudinal differences and solar cycle variation

POSTERS 1.2 [total 3]

Tamara Gulyaeva [16]	Growing coronal mega-holes towards the solar minimum
Stephan Heinemann [63]	The 3-Phase evolution of a long-lived low-latitude coronal hole and its associated HSS.
Manuela Temmer [72]	Statistical study on coronal hole evolution and application for solar wind speed forecasting

POSTERS 1.3 [total 6]

Emma Douma [74]	Comparison of SAMPEX observed relativistic microburst activity and ground based wave measurements at Halley, Antarctica
Alemayehu Cherkos [11]	Effect of viscosity on propagation of MHD waves in astrophysical plasma
Hong Xie [85]	A Model of the SEP intensity as a function of CME Speed, Width, Connection Angle
Laxman Adhikari [113]	Stochastic magnetic reconnection and particle acceleration near strong current sheets in the solar wind
Olga Khabarova [75]	A combination of different mechanisms of particle acceleration in the heliosphere: observational and theoretical aspects
Reihaneh Ghaffari [131]	Characteristics of Sub-ionospheric VLF Signal Propagation during Energetic Electron Injections

POSTERS 2.1+4.1 [total 6]

Baolin Tan [59]	Phase Analysis of Solar Cycles and Implications for the Forthcoming Solar Activities
Benoit Tremblay (4.1) [159]	Reconstruction of Horizontal Velocity Fields at the Photosphere from Intensitygrams and Machine Learning
Chengming Tan [61]	How does the Sun take impact on the air pollution on the earth?
Katya Georgieva [105]	The recalibration of the sunspot records: justification and consequences
Kumud Pandey [129]	Sunspot cycle and impact on Sun
Tina Hilbig [161]	Solar Spectral Irradiance from the Satellite Instrument SCIAMACHY

POSTERS 2.2 [total 1]

Ajeet Kumar Maurya [19]	Solar X-class flares effect on the D-region Ionosphere at the low latitude during 24 Solar cycle
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POSTERS 3.1 [total 3]

Ales Kuchar [111]	Composite analysis of orographic GW hotspots' behavior and the possible link with SSW
Donghe Zhang [162]	External and internal driving sources of the ionosphere: analysis based on the wavelet decomposition
Dustin Gamblin [183]	Characterizing airglow emissions as a function of solar zenith angle with PASI

POSTERS 3.2 [total 3]

Patrick Sheese [83]	N ₂ O produced in the MLT and its effect on O ₃ in the middle atmosphere
Christina Oikonomou [6]	Long-term spread F morphology over Europe
Haris Haralambous [7]	Sporadic E tidal variability and characteristics over three mid-latitude Digisonde stations

POSTERS 3.3 [total 2]

Oluwafisayo Owolabi [51]	Excursions of interhemispheric field-aligned currents in Africa
Lakshmi Narayanan [163]	Effect of severe geomagnetic storms in the low and middle latitude mesosphere

POSTERS 3.4 [total 4]

Goderdzi Didebulitze [41]	Coupling of geomagnetic disturbances and GCRs flux with cloud covering and TOC at Abastumani
Kenneth Illoure [10]	Performance of NeQ-2 & IRI-Plas 2017 Model during Solar Max over Global Equatorial Low latitude
Prince Prasad R. [38]	Magnetospheric dynamics during main phase of St. Patrick's Day geomagnetic storm: Global MHD simulation
Veneta Guineva [157]	Substorms development by simultaneous ground based and THEMIS satellite measurements

POSTERS 4.1 [see 2.1]

POSTERS 4.2 [total 5]

Benoit Tremblay [145]	Sandpile Model and Deep Neural Network for the Prediction of Solar Flares
Nikolai Pertsev [22]	Components of the lunar gravitational tide in the terrestrial atmosphere and geomagnetic field
Prince Prasad R. [32]	Characteristics of storm time substorms in high latitude midnight sector and their low latitude signatures
Prince Prasad R. [37]	Network-based time series analysis of substorm dynamics
Artëm Padokhin [98]	Study of TEC variability in equatorial ionosphere using BDS-GEO signals

POSTERS 4.3 [total 2]

Rolf Werner [70]	Sunspot number prognosis for the 25th Solar cycle using AR-models separately for the both hemisphere
Bharati Kakad [154]	Shannon Entropy-Based Prediction of Solar Cycle 25

POSTERS 4.4 [total 2]

Noé Lugaz [198]	A SmallSat Mission to Investigate the Mesoscales in Interplanetary Space
Nat Gopalswamy [182]	Passband Ratio Imaging of the Solar Corona using a Balloon Coronagraph: The BITSE Mission

