

## Monday morning

February 18, 2013

8:00 – 8:45	Registration
	Session 1 chair: L. Sangalli
8:45-9:00	Kabin, K., <i>Magnetic conjugacy at high latitudes in global magnetohydrodynamic (MHD) and empirical models of the magnetosphere</i>
9:00-9:15	Wright, M. and W. Hocking, <i>Gravity waves in the Arctic and non-Arctic atmosphere: The “universality” of the universal spectrum</i>
9:15-9:30	Jayachandran, P. T., K. Hosokawa, K. Shiokawa, Y. Otsuka, S. C. Mushini, C. Watson, J. W. MacDougall, P. Prikryl, R. Chadwick, and T. D. Kelly, <i>GPS Amplitude and Phase Scintillation Associated with Poleward Moving Sun Aligned Arcs</i>
9:30-9:45	Haley, C. L. and D. J. Thomson, <i>Solar modal structure as observed by neutron monitors</i>
9:45-10:00	Lu, J. , <i>The IMF Dependence of the Magnetopause</i>
10:00-10:30	Coffee break
	Session 2 chair: E. Donovan
10:30 – 10:45	Sydorenko, D. and R Rankin, <i>Two-dimensional model of coupled ionosphere and magnetospher</i>
10:45-11:00	Urbancic, N. and K. Kabin, <i>Solar Wind variations between L1 and the Earth’s magnetosphere: ACE, THEMIS, Geotail and OMNI</i>
11:00-11:15	Jackel, B. J., T. Cameron, and J. M. Weygand, <i>Orientation of solar wind dynamic pressure phase fronts</i>
11:15-11:30	Riebert, D., A. Springford and D. Thomson, <i>Modeling high impact low frequency geomagnetic disturbances using magnetic field data from solar-orbiting spacecraft</i>
11:30-11:45	Gillies, D. M., E. Donovan, D. Knudsen, E. Spanswick, C. Hansen, D. Keating, and S. Erion, <i>A survey of quiet arc morphologies and the effects of the interplanetary magnetic field on arc orientation</i>
11:45-12:00	Yau, A., A. Howarth, W. Peterson, T. Abe, <i>Quiet-time Transport of Ionospheric Oxygen Ions between the Ionosphere and the Inner Magnetosphere</i>
12:00-12:15	Hocking, W. K., <i>Radar Operation using real-time deconvolution</i>
12:00-13:30	lunch

**Monday afternoon, February 18, 2013**

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	Session 3 <span style="float: right;">chair K. Kabin</span>
13:30 – 13:45	Donovan, E., K. Rae, E. Spanswick, M. Gillies, D. Knudsen, S. Jones, A. Jaynes, and M. Lessard, <i>The motion and distortion of auroral patches</i>
13:45-14:00	Alrefay, T. Y., <i>Bow Shock Dynamics as observed by the Cluster satellites</i>
14:00-14:15	James, G., <i>Recent radio science research relevant to CASSIOPE/ePOP</i>
14:15-14:30	Garbanzo-Salas, M., and W. Hocking, <i>High resolution studies of wind and turbulence using MST radar in Costa Rica</i>
14:30-14:45	Damiano, P., and J. R. Johnson, <i>Electron energization and wave dispersion in a mirror kinetic Alfvén wave</i>
14:45-15:00	Perron, P. J.G., J.-M. Noel, J.-P. St-Maurice, K. Kabin and J. De Boer, <i>Effects of ion temperature anisotropy and shears on PFISR theoretical incoherent scatter spectrum of stable CDEIA modes in the topside auroral region</i>
<b>15:00-15:30</b>	<b>Coffee break</b>
	Session 4 <span style="float: right;">chair: K. McWilliams</span>
15:30 – 15:45	St-Maurice, J.-P., A. Barjatya, and C. M. Swenson, <i>Electron heating in the lower ionosphere at low latitude: are parallel currents more common than we think?</i>
15:45-16:00	Miles, D. M., J.R. Bennet, I.R. Mann, and D.K. Milling, <i>A Radiation Hardened Digital Fluxgate Magnetometer for Space Applications</i>
16:00-16:15	Fiori, R.A.D., D. H. Boteler, and D. M. Gillies, <i>Superposed epoch study of geomagnetic storm sudden commencements: Understanding space weather effects on power systems</i>
16:15-16:30	Prikryl, P., R. Ghoddousi-Fard, B. S. R. Kunduri, E. G. Thomas, A. J. Coster, P. T. Jayachandran, E. Spanswick, D. W. Danskin, <i>GPS phase scintillation and proxy index at high latitudes: A case study</i>
16:30-16:45	Sukara, R. E. and W. K. Hocking, <i>Mesospheric Ozone Determination from the Radar Meteor Echo Duration</i>
16:45-17:00	Imtiaz, N., R. Marchand, and J. Burchill, <i>Impact of plasma sheath on rocket-based E-region ion measurements</i>

**Tuesday morning, February 19, 2013**

	Session 1	chair: J. DeBoer
8:30 – 8:45	Mann, I. R., <i>ULF Wave Acceleration and Loss in the Radiation Belts: New Results from CARISMA and the Van Allen Probes Mission</i>	
8:45-9:00	Martynenko, O. V., V. I. Fomichev, K. Semeniuk, S. R. Beagley, W. E. Ward, and J. C. McConnell, <i>Longitudinal structure of the 135.6 nm ionospheric emission: Preliminary results from the Canadian Ionosphere-Atmosphere Model</i>	
9:00-9:15	Cushley, A., and J. M. Noel, <i>Computerized Ionospheric Tomography; Reconstruction of Ionosphere Electron Density Profiles Using Modelled TEC Measurements From ADS-B Model</i>	
9:15-9:30	Archer, W., D. Knudsen and J. Burchill, <i>Comparison of reported uncertainty and measurement variability of Incoherent Scatter Radar measurements</i>	
9:30-9:45	Spanswick, E., E. Donovan, C. Unick, J. Hackett, W. Liu, and J. S. Evans, <i>The Next Generation of UV Imaging - Modeling System Performance</i>	
9:45-10:00	St-Maurice, J-P., <i>Upwelling from Joule heating at unusually high altitude.</i>	
10:00-10:30	Coffee break	
	Session 2	chair: J. McConnell
10:30 – 10:45	Ward, W., S. K. Kristoffersen, and C. Vail, <i>First simultaneous observations of gravity wave signatures in wind (vertical and horizontal) and airglow</i>	
10:45-11:00	Cully, C.M., <i>ABOVE: an Array for Broadband Observations of VLF/ELF Emissions</i>	
11:00-11:15	Nikolic, L., and Larisa Trichtchenko, <i>Development and Validation of a Semi-empirical Code for Solar Wind Prediction</i>	
11:15-11:30	Russell, A. T., K. Kabin, D. Burrell, and J.-M. Noel, <i>Density enhancements in the thermosphere and lower exosphere during the geomagnetic storms of October 2003 and November 2003</i>	
11:30-11:45	Watson, C., P.T. Jayachandran and J.W. MacDougall, <i>Characteristics of GPS TEC variations in the polar cap ionosphere</i>	
11:45-12:00	Knudsen D., J. Burchill, E. Donovan, R. Rankin, D. Sydorenko, J. McConnell, and V. Fomichev, <i>Advancing the State of the Art in Measurements and Models of I-T-M Coupling</i>	
12:00-13:30	Lunch; DASP business meeting	

**Tuesday afternoon, February 19, 2013**

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	Session 3 chair: P. Perron
13:30 – 13:45	Perry, G.W., K. Hosokawa, J.-P. St.-Maurice and K. Shiokawa, <i>An analysis of successive F-region ionization patches under prolonged Southward IMF conditions</i>
13:45-14:00	Kalugin G., and L. Trichtchenko, <i>Frequency parameters of the interplanetary magnetic field during large Forbush decrease events</i>
14:00-14:15	de Boer, J.D., J.-M. A. Noël, J.-P. St.-Maurice and K. Kabin, <i>Propagation of the scalar electric potential in the ionosphere</i>
14:15-14:30	Rehman, S., R. Marchand, L. E. Gayetsky, K. Lynch, <i>ELEPHANT experiment modelling with PTetra</i>
14:30-14:45	Martynenko, O. V. <i>Approach to the atmosphere and ionosphere models merging in application to the Canadian atmosphere and ionosphere model development</i>
14:45-15:00	McWilliams, K.A., M. Lockwood, and M.J. Owens, <i>Statistics of Solar Wind Strahl Electrons</i>
<b>15:00-15:30</b>	<b>Coffee break</b>
	Session 4 chair: W. Ward
15:30 – 15:45	Jackel, B. J., C. Unick, E. Davis, F. Creutzberg, C. Wilson, J. Little, <i>Field calibration of auroral meridian scanning photometers using Jupiter</i>
15:45-16:00	Gillies, R.G., A. W. Yau, G. C. Hussey, and G. J. Sofko, <i>HF radar measurements of scattering volume electron densities for various Interplanetary Magnetic Field (IMF) orientations</i>
16:00-16:15	Shepherd, G. G. and Y-M. Cho, <i>WINDII observations of neutral wind perturbations originating in geomagnetic disturbances e</i>
16:15-16:30	Shepherd, M.G., G. G. Shepherd, Y.-M. Cho, <i>Longitudinal perturbations in thermospheric temperatures from 100 km to 250 km</i>
16:30-16:45	Sangalli, L.R., <i>Comparison between triangulated auroral altitude and precipitating electron energy flux</i>
16:45-17:00	Donovan, E., E. Spanswick, T. Nishimura, M.Gkioulidou, and E. MacDonald, <i>Early results from RBSP and THEMIS-ASI/NORSTAR</i>