



Autumn MIST Talks

Friday 27 November 2015

	Presenter	Title
10:30	Betty Lanchester	Auroral processes (invited talk)
10:55	Nadine Kalmoni	The properties of auroral beads observed at substorm onset
11:07	Jennifer Carter	Transpolar arcs: Seen in both hemispheres simultaneously
11:19	Joe Kinrade	Evidence for rotational and inter-hemispheric modulation of Saturn's aurora from Hubble Space Telescope UV images
11:31	Rebecca Gray	Auroral observations of radial transport in the Jovian magnetosphere
11:43	Rosie Johnson	Measurements of the rotation rate of the Jovian mid-to-low latitude ionosphere
11:55	MIST update, then lunch	
13:15	Sandra Chapman	Substorms as dynamical networks: Quantifying the time-evolving pattern of spatio-temporal correlation seen in the SuperMAG database of ground-based magnetometer stations
13:27	Colin Forsyth	A new technique for determining Substorm Onsets and PHases from Indices of the Electrojet (SOPHIE)
13:39	Stephen Browett	Timescales for IMF B_Y penetration into the Earth's magnetotail
13:51	Katie Raymer	What controls the shape and location of the Earth's magnetopause?
14:03	Tom Elsden	Modelling the dayside magnetosphere: MHD waves in observation and theory
14:15	James Parker	The main ionospheric trough in the European sector imaged by the EDAM model with GPS input
14:27	Timothy David	Outflow of heavy ions from the Earth's upper atmosphere
14:40	Poster session	
15:40	Mike Lockwood	Sunspot number data series: Which should we believe?
15:52	Chris Chen	Multi-species measurements of instability thresholds
16:04	Peter Zelina	Time variation of heavy ion abundances in SEP events
16:16	Georgina Graham	Radial evolution of strahl electron pitch angle width: Cassini observations
16:28	Ravindra Desai	Hybrid simulations of positive and negative pickup ions and ion cyclotron waves at Europa
16:40	Greg Hunt	Field-aligned currents in Saturn's southern magnetosphere: Comparison between midnight and pre-noon currents
16:52	Sam Taylor	Photoelectrons at Enceladus
17:04	Lars Mejnertsen	Reconnection at Neptune's magnetopause: Results of a global simulation
17:20	Walkers of St James	



Autumn MIST Posters

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Martin Archer	Occurrence and frequencies of standing Alfvén waves excited by fast mode resonances in the outer magnetosphere
Angeline Burrell	Solar influence on high-frequency radar signal propagation
John Coxon	Magnetic field strength fall-off in the magnetotail lobe
William Dunn	Solar wind driving of Jupiter's X-ray aurora
Jonathan Eastwood	On the role of Cherenkov emission in mediating electron hole and whistler wave interactions during magnetic reconnection
Benjamin Hall	Variation of Mars' induced magnetospheric boundaries over the last solar cycle
Cal Hewitt	LUCID: First results from a prototype cosmic ray detector on TechDemoSat-1
Rosie Hood	Comparison of satellite, ground-based and model ionospheric electron temperatures during solar cycles 23 and 24
Matt James	A statistical study of wave activity in the Hermian magnetosphere
Simon Lindsay	Magnetosphere-surface interaction at Mercury
Lorenzo Matteini	Do in situ observations contain signatures of intermittent fast solar wind acceleration?
Rishi Mistry	Development of bifurcated current sheets in solar wind reconnection exhausts
David Nunn	The numerical simulation of VLF chorus using a broadband Vlasov VHS simulation code
Dimitry Pokhotelov	Effects of ULF wave power on radiation belts at different phases of the geomagnetic storm
Joe Reed	The role of Io in the dynamics of Jupiter's magnetosphere: A sandpile modelling approach.
Beatriz Sanchez-Cano	CME and CIR effects in the ionosphere of Mars at solar minimum
Jasmine Sandhu	Variations of high-latitude geomagnetic pulsation frequencies: A comparison of IMAGE magnetometer observations and time-of-flight estimates
Lorenzo Trenchi	Multiple flux transfer events observed by Cluster
Maria-Theresia Walach	Testing predictions of the ionospheric convection from the expanding/contracting polar cap paradigm
Daniel Whiter	A new method for measuring the neutral temperature in the F-region ionosphere during low energy aurora
Ian Whittaker	Magnetospheric solar wind charge exchange: A comparison between the GUMICS-4 MHD model and XMM-Newton observations
Zhonghua Yao	Substructures within a dipolarization front revealed by high temporal resolution Cluster observations