Autumn MIST Talks

Friday 25th November 2016

	Presenter	Title
10:00	Tea and coffee in the Council Room	
10:30	Cathryn Mitchell	Space Weather Data Assimilation (invited talk)
10:55	Rob Shore	Seasonal and solar-cycle variations of disturbance-polar (DP) type magnetic fields resolved via EOF analysis
11:07	Martin Archer	The MUSICS (Magnetospheric Undulations Sonified Incorporating Citizen Scientists) project
11:19	Matthew Lang	Data assimilation in the solar wind: Challenges and first results
11:31	Simon Thomas	Evaluating the skill of forecasts of the near-Earth solar wind using a space weather monitor at L5
11:43	Sarah Bentley	Characterising magnetospheric ULF wave power by solar wind conditions
11:55	MIST update and lunch	
13:00	Allan Macneil	Tests for coronal electron temperature signatures in suprathermal electron populations at 1 AU
13:12	David Stansby	Experimental whistler wave dispersion relation in the solar wind
13:24	Ben Hall	Annual and solar cycle variations in the location of the martian bow shock: A Mars Express study
13:36	Rungployphan Kieokaew	Magnetic curvature analysis on Kelvin-Helmholtz Waves: a MHD simulation study
13:48	Julia Stawarz	Observations of turbulence in a Kelvin-Helmholtz event on the Earth's magnetopause by the Magnetospheric Multiscale Mission
14:00	Roger Leyser	MESSENGER observations of flux transfer events near Mercury’s dayside magnetopause
14:12	Rosie Hood	The evolution of the magnetospheric response during the 22-29 July 2004 stormtime interval
14:24	Hayley Allison	Study of the magnetic local time variation of lower energy electrons in the radiation belt region using POES data
14:36	Poster session with tea and coffee	
15:35	Elizabeth Tindale	Dependence of the statistical distribution of solar wind-magnetosphere coupling parameters on the solar cycle and on fast vs slow solar wind
15:47	Carley Martin	Structure and propagation of waves seen on Saturn’s equatorial current sheet
15:59	Angeline Burrell	Solar cycle variations in polar ionospheric convection

	Presenter	Title
16:11	Mervyn Freeman	The temperature signature of an IMF-driven change to the global atmospheric electric circuit (GEC) in the Antarctic troposphere
16:23	John Coxon	The morphology of the Birkeland current system during substorms
16:35	Maria-Theresia Walach	Comparative study of auroral signatures of substorms, steady magnetospheric convection events and sawtooth events
16:47	Joe Reed	Low frequency extensions of the Saturn kilometric radiation as a proxy for magnetospheric dynamics
16:59	Sam Turnpenney	Auroral radio emissions at ultra cool dwarfs
17:11	Adjourn	

Autumn MIST Posters

Friday 25th November 2016

Presenter	Title
Martin Birch	Deduction of a high-latitude, low-altitude absorption layer using the EISCAT Svalbard radar
Stephen Browett	Inferring the spatial extent of the magnetospheric cusp
Joshua Chadney	Determining OH(8-3) temperatures with the HiTIES instrument
Sandra Chapman	Dynamical networks formed from SuperMAG characterize the spatially correlated ionospheric current response to southward and northward IMF turnings
Chris Chen	Nature of kinetic scale turbulence in the Earth's magnetosheath
Timothy David	Ion upwelling from the Earth's upper atmosphere
Ravi Desai	Cassini identification of carbon chain anions and further intermediary species in the primary stages of haze formation at Titan
Colin Forsyth	Distinguishing dayside and nightside field-aligned current drivers
Sarah Glauert	Recreating the state of the radiation belts for the last 30 years
Georgina Graham	Heliospheric radial evolution of strahl: Cassini observations en-route to Saturn
Rebecca Gray	Generation of the Jovian secondary auroral oval
Richard Horne	Propagation and linear mode conversion of magnetosonic and electromagnetic ion cyclotron waves in the radiation belts
Matt James	Interplanetary magnetic field properties and timescales near Mercury's orbit
Rosie Johnson	Mapping ion winds in Jupiter's auroral ionosphere
Joe Kinrade	Rotational modulation of Saturn's UV auroras in 2014
Derek McKay	All-sky optical-riometric imaging of aurorae

Lorenzo Matteini	Small scale speed modulation in the fast solar wind: a possible Solar origin?
Henrik Melin	Detection of Uranus' H3+ aurorae
Nigel Meredith	Extreme relativistic electron fluxes at geosynchronous orbit: Analysis of GOES E > 2 MeV electrons
Jonathan Nichols	Jupiter’s auroras during the Juno approach phase as observed by the Hubble Space Telescope
Gabby Provan	Juno at Jupiter: modelling magnetosphere-ionosphere coupling in the Jovian system
Katie Raymer	Solar cycle influences on the shape and location of the Earth’s magnetopause
Jade Reidy	Multi-instrument observation of simultaneous polar cap aurora occurring on open and closed field lines
Amy Ronksley	The impact of the thermosphere on plasma structures in the high-latitude ionosphere
Beatriz Sanchez-Cano	High energetic particles measured at Mars from the Siding-Spring comet encounter
Sam Taylor	Modelling photoelectron production in the Enceladus plume and comparison with observations by CAPS-ELS