

Tuesday 27th 10:00-11:15 - Magnetospheres throughout the universe	
10:00	Radio emission from giant exoplanets: Theory and observation
10:20	Magnetosphere-ionosphere coupling at Jupiter-like exoplanets: configuration & detection
10:31	Jovimagnetic secular variation: the main field and the inner magnetosphere
10:42	Indirect Observations of Mercury's Magnetosphere by MESSENGER XRS
10:53	How can the mini-magnetospheres formed by the lunar crustal magnetic anomalies be so small?
11:04	Recurring flux ropes at the southern terminator of Mars
Tuesday 27th 11:45-13:15 - Magnetospheres throughout the universe	
11:45	Pulsar Radio Emission and Magnetospheric Currents
12:05	Mapping the Pulsar Radiation Pattern
12:16	Poster presentation summaries
12:20	Cassini multi-instrument observations of Saturn
12:31	Saturn's field aligned currents and their relationship to the phases of the planetary period oscillation
12:42	A theory of magnetosphere-ionosphere-atmosphere coupling at Saturn
12:53	Investigating the influence of magnetic cycles on planets: the case of Tau Boo
13:04	Maser radio emission from CU Virginis
Tuesday 27th 14:15-15:30 - New exploration of the geomagnetic field: opportunities with the ESA SWA	
14:15	Swarm Satellite Constellation Application and Research Facility: Status and Plans
14:45	Directly measuring ionospheric midlatitude current density with a magnetic satellite constellation
15:00	Developing data selection techniques to improve geomagnetic field models at high latitudes
15:15	Poster Presentations
Tuesday 27th 14:15-15:30 - Small bodies in Our Solar System	
14:30	Surface charging on small bodies: likely detection at Saturn's icy moon Hyperion
Tuesday 27th 17:00-18:15 - New exploration of the geomagnetic field: opportunities with the ESA SWA	
17:00	Opportunities for the Swarm mission: The effect of the Ring Current
17:15	Role of large-scale magnetospheric current systems for main field modelling
17:30	Swarm: Status and plans for the scientific validation
17:45	CINEMA/TRIO: A three-spacecraft magnetospheric CubeSat mission
18:00	SuperDARN and Swarm: Opportunities for co-ordinated research
Wednesday 28th 10:00-11:15 - Interplanetary observations of the solar wind	
10:00	The structure of the inner heliosphere as revealed by amateur astronomers' images of comets
10:15	A survey of corotating interaction regions observed by the STEREO HI imagers 2007 - 2010
10:30	A Direct Test for Models of Magnetohydrodynamic Turbulence in the Solar Wind
10:45	Small-Scale Structure of Slow Solar Wind Transients
11:00	Past, Present, and Planned Heliospheric Remote-Sensing Observations at Aberystwyth Uni. (Invited)
Wednesday 28th 11:45-13:15 - Solar Orbiter mission - How does the Sun create and control the heliosphere	
11:45	Solar Orbiter: mission overview
12:00	Solar Orbiter remote sensing instrumentation: what will we be able to measure?
12:15	Solar Orbiter: In-situ Instrument Capabilities and Measurements
12:30	Solar Orbiter science goals with remote sensing instruments
12:45	Solar Orbiter: Heliospheric science
13:00	The origins and heliospheric evolution of homologous CMEs originating from NOAA AR11093
Wednesday 28th 17:00-18:15 - UKSP/MIST Missions Forum	
17:00	Exploration of the Heliosphere
17:15	KuaFu - exploring the Sun-Earth connection
17:30	New space weather applications and novel designs
17:45	A ROSA view for Solar Physics
18:00	The Solar-C mission
Thursday 29th 10:00-11:15 - LOFAR, the LOw Frequency ARray: Ongoing Developments and Early Results	
10:00	INS4 - Opening and Welcome
10:01	LOFAR: Current Status and Opportunities for Early Science (Context)
10:25	The LOFAR Transients Key Science Project: image plane transients and multiwavelength follow-up
10:41	Radio Detection of Cosmic Particles and Fast Radio Transients with LOFAR
10:57	Ionospheric impact and calibration for LOFAR (Invited)
Thursday 29th 10:00-11:15 - Magnetic Reconnection in Space and Astrophysical Plasmas	
10:00	In situ measurement of the magnetic reconnection diffusion region in the Earth's magnetotail
10:15	Evolution of magnetic flux in separator reconnection
10:30	Seasonal and clock angle control of the location of flux transfer events signatures at the magnetopause
10:41	Nonlinear wave propagation and reconnection at an X-point in Hall MHD
10:52	Non-steady reconnection at a 2D non-force-free current layer
11:03	3D particle acceleration effects in the PIC approach and their diagnostics from the HCS observations
Thursday 29th 11:45-13:15 - LOFAR, the LOw Frequency ARray: Ongoing Developments and Early Results	
11:45	Heliospheric Observations on LOFAR: First Solar Wind Obs. & Planned Future Investigations (Invited)
12:03	KAIRA - Deploying LOFAR systems in the Arctic
12:19	High-resolution, wide-field mapping of supernova remnant Cassiopeia A in continuum & RRLs (Invited)
12:37	Early Pulsar Science with LOFAR
12:53	A year of pulsar polarimetry with LOFAR
13:09	INS4 - Poster Summary Presentations
Thursday 29th 11:45-13:00 - Particle acceleration and transport at the Sun and in the heliosphere	
11:45	Plasmoids in solar flares and their radio and X-ray diagnostics
12:05	Long-Duration Solar Flares: Acceleration Without Heating
12:16	A solar burst with double radio spectrum observed up to 212 GHz
12:27	Characteristics of flare acceleration regions using combined X-ray and Radio Observations
12:38	Particle Acceleration at Reconnecting 3D Null Points
12:49	Energetic particle diffusion in structured turbulence
Friday 30th 10:00-11:15 - Vertical Coupling through planetary atmospheres and ionospheres	
10:00	The Met Office Unified Model and its extension to the thermosphere
10:15	Vertical Coupling by Ultra-Fast Kelvin Waves in the Equatorial Atmosphere
10:30	The cosmic dust input to the earth
10:45	Stratospheric gravity wave activity above the Antarctic Peninsula and Falkland Islands
11:00	Observations of atmospheric discharges with a small scale interferometric network of radio receivers
Friday 30th 11:45-13:00 - Recent Results in MIST Science	
11:45	Combined Incoherent Scatter Radar and Optical Observations of Naturally Enhanced Ion Acoustic Echoes.
12:00	Determination of the threshold flux to stimulate upper hybrid resonance using artificial auroral...
12:15	A new model to predict large-scale structuring in the high-latitude ionosphere in real time
12:30	Conjugate observations of mid-latitude travelling ionospheric disturbances by HF radars
12:45	Investigating the Importance of Viscous Interactions on Ionospheric Convection
Friday 30th 14:15-15:30 - Recent Results in MIST Science	
14:15	Magnetospheric and Ionospheric Response to Solar Wind Variability at Mars
14:30	Temporal (and spatial) variations of temperature, density and emission within Saturn's aurorae
14:45	Dawn-Dusk Asymmetries in Average Magnetotail Pitch Angle Distributions
15:00	Survey of anisotropic electron moments in Saturn's magnetosphere
15:15	Evidence for Intermittent Heating in the Solar Wind
	Jean-Mathias Griessmeier
	Jonathan Nichols
	Victoria Ridley
	Simon Lindsay
	Dr Ruth Bamford
	Mat Beharrell
	Axel Jessner
	Phrudth Jaroenjittichai
	MAG1 Poster presenters
	Dr Emma Bunce
	Gabrielle Provan
	David Southwood
	Aline Vidotto
	David C. Speirs
	Alan W P Thomson
	Rob Shore
	Gemma Kelly
	Mike Hapgood
	Tom Nordheim
	Malcolm Dunlop
	Hermann Lühr
	Gernot Plank
	Tim Horbury
	Mark Lester
	Yudish Ramanjooloo
	Thomas Michael Conlon
	Andrew Turner
	Stuart A. Hardwick
	M.M. Bisi
	Tim Horbury
	Louise Harra
	Prof Christopher Owen
	Thomas Wiegelmann
	Mathew Owens
	Kimberley Steed
	Alan Smith
	Steve Milan
	Chris Davis
	Mihalis Mathioudakis
	Louise Harra
	M.M. Bisi
	Michael Wise
	Rob Fender
	Heino Falcke
	Ilse van Bemmel
	Dr. Jonathan Eastwood
	A. L. Wilmot-Smith
	Robert Fear
	James Threlfall
	Jorge Fuentes-Fernandez
	Prof. V.Zharkova
	Richard Fallows
	Derek McKay-Bukowski
	Dr. Ashish Asgekar
	Tom Hassall
	Charlotte Sobey
	INS4 Poster Authors
	Marian Karlicky
	Ivan Zimovets
	Paulo Simoes
	Hamish Reid
	Adam Stanier
	Timo Laitinen
	David Jackson
	Nicholas Mitchell
	John Plane
	Dr Tracy Moffat-Griffin
	A.Mezentsev
	Brendan Goodbody
	Carl Bryers
	Alan Wood
	Adrian Crocott
	James Hutchinson
	Hermann Opgenoorth
	James O'Donoghue
	Andrew Walsh
	Chris Arridge
	Kareem Osman