

SAIP2012

Tuesday 10 July 2012

Space Science: Ionosphere (1) (11:00-12:20)

-Conveners: Andrew Collier

time	[id] title	presenter
11:00	[69] Neural Network Based M(3000)F2 Global Model: An Option for the M(3000)F2 module within the IRI Global Model	Mr ORONSAYE, Samuel Iyen Jeffrey
11:20	[72] Development of an ionospheric map for Africa	Mr SSESSANGA, Nicholas
11:40	[109] TEC response over the African sector during selected storm conditions	Dr HABARULEMA, John Bosco
12:00	[153] TIDs propagation properties over the South Africa region	Mr TYALIMPI, Vumile

Space Science: Neutral Atmosphere & Satellites (14:30-15:50)

-Conveners: Brett Delpont

time	[id] title	presenter
14:30	[59] Appropriate airmass and solar irradiation attenuation parameterisations for southern Africa	Prof. WINKLER, Hartmut
14:50	[397] LIDAR Observations of middle atmospheric gravity waves over Durban (29.9° S, 31.0° E), South Africa: Case study	Dr MBATHA, Nkanyiso
15:10	[68] Effects of Slant Angle and Illumination Angle on MTF Estimations	Mr VHENGANI, Lufuno
15:30	[140] Orbit Decay Predictions of Low Earth Orbit Satellites and the DeorbitSail	Mr AFFUL, Michael

Wednesday 11 July 2012

Space Science: Cosmic Rays (08:00-09:20)

-Conveners: John Bosco Habarulema

time	[id] title	presenter
08:20	[22] Modelling of galactic cosmic ray electrons in the heliosphere	Ms NNDANGANENI, Rendani Rejoyce
08:40	[354] Numerical Modelling of Cosmic Rays in the Inner Heliosphere	Mr RAATH, Jan-Louis
09:00	[391] A multi-detector study of the effect of a varying heliospheric current sheet tilt angle on cosmic-ray intensity	Mr MOLOTO, KATLEGO

Space Science: Magnetosphere (10:55-11:55)

-Conveners: MICHAEL AFFUL

time	[id] title	presenter
10:55	[26] Correlating fractional hop whistlers detected on DEMETER with WWLLN lightning	Mr DELPORT, Brett
11:15	[12] Narrowband VLF observations as validation of plasmaspheric model	Dr COLLIER, Andrew
11:35	[25] Dynamics of Electrons Injected into the Inner Magnetosphere	Mrs NEMAIR, Mahassin A. A.

Space Science (16:30-17:50)

Thursday 12 July 2012

Space Science: Plasma Physics (08:00-09:20)

-Conveners: Andrew Collier

time	[id] title	presenter
08:00	[540] Space Science Division Group Meeting	Dr COLLIER, Andrew

Space Science (11:00-12:20)

-Conveners: Ben Opperman

time	[id] title	presenter
11:00	[180] Simulation of Space Plasmas with Kappa Distributions	Mr ABDUL, Reginald
11:20	[192] Beam-generated electrostatic instabilities in two-electron temperature space plasmas	Mr MBULI, Lifa
11:40	[205] Nonlinear electric field structures in a magnetized dusty plasma	Dr MAHARAJ, Shimul Kumar
12:00	[472] Solitary Waves in a Magnetized Plasma with Two Temperature Electrons	Mr RUFAL, Odutayo Raji

Space Science: Pulsations and Ionosphere (2) (14:10-15:30)

-Conveners: Lifa Mbuli

time	[id] title	presenter
14:10	[146] A multiple instrument investigation of the nature of geomagnetic pulsations	Mr MTUMELA, Zolile
14:30	[232] Diurnal Double Maxima (DDM) structures observations in South Africa	Dr KATAMZI, Zama Thobeka
14:50	[449] Ionospheric Dynamics Observed Along the South-west African Longitude GNSS-receiver chain.	Dr OPPERMAN, Ben