

International Magnetosphere Coupling IV (IMC-IV) Workshop

Tuesday 4 June 2024

Ionosphere, Thermosphere, Magnetosphere - Lecture Hall (11:45 - 13:15)

-Conveners: Miriam Sinnhuber; Claudia Stolle

time	[id] title	presenter
11:45	[57] EISCAT_3D in the European Arctic Science Landscape	ULICH, Thomas
11:55	[249] Discussion	
12:05	[58] A new view on conjugate features in the two. hemispheres of field-aligned currents and the auroral electrojet	LÜHR, Hermann
12:10	[246] Discussion	
12:15	[59] Quantifying the contribution of FAC mesoscale structures to the overall FAC patterns during a magnetospheric substorm	GASPARINI, Sara
12:20	[247] Discussion	
12:25	[60] Signatures of Magnetosphere-Ionosphere Coupling in the Subauroral Topside Ionosphere	HEILIG, Balazs
12:35	[250] Discussion	
12:45	[61] Decomposing the DP1 and DP2 current system contributions to substorm-like intensifications in SML	LAO, Christian
12:50	[245] Discussion	
12:55	[62] Thermal coupling in the ionosphere-thermosphere-plasmasphere system	MARUYAMA, Naomi
13:05	[248] Discussion	

Ionosphere, Thermosphere, Magnetosphere - Lecture Room 1 (14:30 - 16:00)

-Conveners: Miriam Sinnhuber; Claudia Stolle

time	[id] title	presenter
14:30	[70] Space Weather monitoring and prediction for GNSS users	BERDERMANN, Jens
14:40	[259] Discussion	
14:50	[71] Initial results of TREx data and inversion: Implication on storm-time ionospheric and thermospheric dynamics	LIANG, Jun
14:55	[262] Discussion	
15:00	[72] A neural network model of electron temperature based on CHAMP observations	SMIRNOV, Artem
15:05	[264] Discussion	
15:10	[140] Persistent impact of the solar wind on the ionosphere	BORRIES, Claudia
15:15	[265] Discussion	
15:20	[73] Thermosphere-Ionosphere Observing System Simulation Experiments with Physics-based Dynamic Mode Decomposition	KODIKARA, Timothy
15:25	[261] Discussion	

15:30	[74] An empirical model of the occurrence rate of low latitude post-sunset plasma irregularities derived from CHAMP and Swarm magnetic observations	STOLLE, Claudia
15:35	[263] Discussion	
15:40	[75] The International Reference Ionosphere (IRI) – Current Status and Plans for the Future	BILITZA, Dieter
15:45	[260] Discussion	
15:50	[286] Additional discussion time	

Ionosphere, Thermosphere, Magnetosphere - Lecture Room 1 (16:15 - 17:45)

-Conveners: Claudia Stolle; Miriam Sinnhuber

time	[id] title	presenter
16:15	[88] The high energy tail of precipitating electrons	NESSE, Hilde
16:25	[271] Discussion	
16:35	[89] Role of Subauroral Polarization Streams (SAPS) in Deep Injections of Energetic Particles into the Inner Magnetosphere	ZHAO, Hong
16:40	[274] Discussion	
16:45	[90] A statistical study on the high-latitude lower thermospheric response to geomagnetic activity based on 21 years of TIMED/SABER observations	YAMAZAKI, Yosuke
16:55	[272] Discussion	
17:05	[91] Atmospheric impact of precipitating magnetospheric electrons	SINNHUBER, Miriam
17:10	[273] Discussion	
17:15	[288] Additional discussion time	