

International Magnetosphere Coupling IV (IMC-IV) Workshop

Monday 3 June 2024

Space Weather and Applications - Lecture Room 1 (16:15 - 17:45)

-Conveners: Juha-Pekka Luntama; Terry Onsager

time	[id] title	presenter
16:15	[38] A synergetic approach of physics-based and data-driven predictions of solar eruptions and space weather	KUSANO, Kanya
16:25	[184] Discussion	
16:35	[39] Flux-rope CMEs in Sun-to-Earth model chains	POEDTS, Stefaan
16:45	[183] Discussion	
16:55	[40] Two stages of solar eruption onset	KLIEM, Bernhard
17:00	[186] Discussion	
17:05	[41] Comparative Researches of Two Distinct Cosmic Ray Events (Forbush decrease and GLE event) Caused by the Solar Eruptions during September, 2017	YU, Xiao Xia
17:10	[185] Discussion	
17:15	[285] Additional discussion time	

Wednesday 5 June 2024

Space Weather and Applications - Lecture Hall (11:15 - 12:45)

-Conveners: Terry Onsager; Juha-Pekka Luntama

time	[id] title	presenter
11:15	[103] The future of space weather modelling - combining models and data to meet our needs	JACKSON, David
11:25	[228] Discussion	
11:35	[104] Data-Driven Discovery of Fokker-Planck Equation for the Earth's Radiation Belts Electrons Using Physics-Informed Neural Networks	CAMPOREALE, Enrico
11:45	[229] Discussion	
11:55	[105] Design of OSE and OSSE for Earth's radiation belts	SCHILLER, Quintin
12:05	[227] Discussion	
12:15	[106] Future space weather verification at the Met Office	BINGHAM, Suzy
12:25	[226] Discussion	
12:35	[290] Additional discussion time	

Space Weather and Applications - Lecture Room 1 (14:30 - 16:00)

-Conveners: Juha-Pekka Luntama; Terry Onsager

time	[id] title	presenter
14:30	[107] Prediction of Adverse effects of Geomagnetic storms and Energetic Radiation (PAGER)	SHPRITS, Yuri
14:40	[231] Discussion	
14:50	[108] Advanced Charging Risk Forecast Service, further beyond H2020/PAGER	FOREST, Julien
14:55	[232] Discussion	
15:00	[109] Filtering applications for the radiation belts	CASTILLO, Angelica Maria
15:05	[230] Discussion	
15:15	[110] Detection of solar QBO-like signals in earth's magnetic field using 40 years of GOES mission data	INCEOGLU, Fadil
15:20	[233] Discussion	
15:25	[293] Additional discussion time	

Thursday 6 June 2024

Space Weather and Applications - Lecture Room 1 (16:15 - 17:45)

-Conveners: Terry Onsager; Juha-Pekka Luntama

time	[id] title	presenter
16:15	[132] Thermospheric Densities: Challenges, Limitations, and Future Prospects	TZAMALI, Myrto
16:25	[213] Discussion	
16:35	[133] Orbital Space Weather: the challenge of collision avoidance in an increasingly congested Low Earth Orbit regime	MARUYAMA, Naomi
16:45	[214] Discussion	
16:55	[134] Operational real-time forecast of Kp/Hp indices and plasma density in the plasmasphere	BIANCO, Stefano
17:00	[215] Discussion	
17:05	[135] A Probabilistic Auroral Location Forecast derived from Far-Ultraviolet Auroral Boundaries and Geomagnetic Activity	FORSYTH, Colin
17:10	[216] Discussion	
17:15	[298] Additional discussion time	