

Table of contents

Friday 02 June 2023	1
---------------------------	---

ICTP-SCOSTEP-ISWI School and Workshop on the Predictability of the Solar-Terrestrial Coupling - PRESTO | (smr 3842)

Friday 02 June 2023

SESSION 3. Effect of Space Weather on the Earth's ionosphere, thermosphere, and magnetosphere system - Budinich Lecture Hall (LB) (10:20-13:45)

SESSION 3 Organisers: Duggirala PALLAMRAJU (Physical Research Laboratory, India), Loren CHANG, and Nicholas PEDATELLA (National Center for Atmospheric Research, USA)

Chair: Nicholas PEDATELLA (National Center for Atmospheric Research, USA)

time	title	presenter
10:20	Towards a better understanding of the ionosphere-thermosphere responses to magnetospheric and wave forcings	XIAN LU
10:45	Inference of Full Ionospheric Electron Density Profiles from Ionosonde Measurements	JEAN DE DIEU NIBIGIRA
11:00	Observations of ionospheric irregularities and its correspondence with sporadic E occurrence over South Korea and Japan	PATRICK MUNGUFENI
11:15	Predictability of vTEC time series	MASSIMO MATERASSI
11:30	On the daytime precursors of the equatorial spread F	PALLAM RAJU DUGGIRALA
11:45	Impact of Coronal Mass Ejection Induced Geomagnetic Storms on Satellite Orbital Decay	YOSHITA BARUAH
12:00	Machine Learning based ionospheric forecasting for space weather: comparisons and considerations for operative implementation.	MARIA GRACIELA MOLINA
12:15	Localized Geomagnetic Disturbance Forecasting: Evaluating Physics and Numerics in Global Models	ELIZABETH VANDEGRIFF
12:30	Lunch Break	