

SuperDARN Workshop 2022

Live Session

Date: 30 May 2022

Opening Session:

Chair: Jiaojiao Zhang

Time (UTC)	Title	Presenter
12:00-12:10	Welcome Speech	Chi, Wang <i>Academician of CAS</i> <i>Director of NSSC, CAS</i>

Session 1:

Chair: Jiaojiao Zhang

Time (UTC)	Title	Affiliation	Presenter
12:10-12:20	auroraXcosmic project: space weather watch from Antarctica	National Institute of Polar Research	Ryuhō, Kataoka
12:20-12:30	Low latitude Hainan HF radar of Meridion Project II	IGGCAS	Lianhuan, Hu
12:30-12:40	SuperDARN radar estimates of thermospheric neutral density	SANSA	Michael, Kosch
12:40-12:50	Spatial relationship of SAPS and particle boundaries as observed by Arase	ISEE, Nagoya Univ.	Tomoaki, Hori
12:50-13:00	On the Acceleration of Polar Cap Patches Entering the Nightside Auroral Oval	Shandong University	Zanyang, Xing
13:00-13:10	Multiple technique observations of the hot and classical patches	Shandong University	YuZhang, Ma
13:10-13:20	Geospace Concussion: Global reversal of ionospheric vertical plasma drift in response to a sudden commencement	Virginia Tech	Xueling, Shi
13:20-13:30	Dependencies of GPS scintillation variations on the ionospheric plasma drift and TEC rate of change around the dawn sector of the polar ionosphere	Shandong University	Yong, Wang
13:30-13:40	A “wave-like” evolution of polar cap patches modulated by the magnetotail reconnections in wide magnetic local	Shandong University,	Qing-He,Zhang

	time regions		
13:40-13:50	Break		

Session 2:

Chair: Qing-He Zhang

Time (UTC)	Title	Affiliation	Presenter
13:50-14:00	Storm Time MSTIDs in Mid Latitude SuperDARN and GPS TEC	Virginia Tech	Ian, Kelley
14:00-14:10	Joint LIDAR and HF radars observation of the Es/SSL coupling process over Zhongshan Station (ZHO), Antarctica	Polar Research Institute of China	Xiangcai, Chen
14:10-14:20	HMB Variations Measured by SuperDARN During the Extremely Radial IMFs	PRIC	Zhiwei, Wang
14:20-14:30	Poynting flux from SuperDARN and Swarm: How much are we underestimating?	U of Saskatchewan	Daniel, Billett
14:30-14:40	Testing E-CHAIM ionospheric model with RISR incoherent scatter radars	U of Saskatchewan	Sasha, Koustov
14:40-14:50	Occurrence rates of SuperDARN ground scatter echoes and electron density in the ionosphere	U of Saskatchewan	Sasha , Koustov
14:50-15:00	An examination of SuperDARN backscatter modes using machine learning guided by ray-tracing	Virginia Tech	Bharat, Kunduri
15:00-15:10	Coordinate Registration of SuperDARN Radar Backscatter using 3D Raytracing	JHU/APL	Alex, Chartier
15:10-15:20	Classification of SuperDARN Backscatter Observations using Machine Learning Algorithms	Virginia Tech	Shibaji, Chakraborty
15:20-15:30	Statistical characteristics of midlatitude ionospheric F-region backscatter observed by the SuperDARN Jiamusi radar	NSSC, CAS	Wei, Wang