

2023 Space Sciences Portfolio Annual Review

Dr. Julie Moses | January 24-25, 2023 | Albuquerque, NM

AFRL Innovation Lab at the UNM Science & Tech Park | Upper-Level Auditorium
801 University Blvd SE, Albuquerque, NM 87106

Agenda Day 1 | January 24, 2023

Time	Topic	Speaker
8:30	Registration	
0900	Welcome and AFOSR News	Julie Moses, AFOSR
0915	Global Ionospheric Processes	Jeff Holmes, AFRL/RV
0945	Archiving and Enhancing the DMSP Special Sensor Data	Rezy Pradipta, Boston College
1015	Global Sporadic-E Climatology from GPS Radio Occultation and Ionosonde Measurements	Maj Daniel Emmons, AFIT
1045	BREAK	
1100	Investigation of the Longitudinal Dependence of Ionospheric Density	Endawoke Yizengaw, The Aerospace Corp.
1130	Modeling Plasmasphere Structure: Ducts and Irregularities	Joe Huba, Syntek, Inc.
1200	LUNCH	
1300	Understanding the Effects of Energy Input from the Solar Wind to the Thermosphere-Ionosphere	Russell Landry, AFRL/RV
1330	Nonlinear Aspects of the Subauroral-Auroral Geospace	Evgeny Mishin, AFRL/RV
1400	Sources of Polar Cap Poynting Flux and Particle Energy	Delores Knipp, CU-Boulder
1430	Investigating the Range of Response of Auroral Electron Precipitation	Stephen Kaeppler, Clemson U.
1500	BREAK	
1515	Vertical Coupling in the Low-latitude Atmosphere...	Federico Gasparini, Orionspace
1545	The Origin of HF and VHF Radio Emissions from Lightning and Radio Interferometer for Thunderstorm Studies	Ningyu Liu, UNH
1615	VLF Waves and Energetic Particles in the Radiation Belts	Anatoly Streltsov, Embry-Riddle
	MEETING ADJOURN	

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Agenda Day 2 | January 25, 2023

Time	Topic	Speaker
8:30	Registration	
0900	GNSS and Ionosonde Receivers for Investigations of Ionospheric Density	Cesar Valladares, UTD
0930	Analysis of Demonstration and Science Experiment Observations	Jay Albert, AFRL/RV
1000	Solar Energetic Proton Access and Trapping in the Inner Magnetosphere	Mary Hudson, Dartmouth
1030	BREAK	
1045	Space Physics Center at USAFA	Geoff McHarg, USAFA
1115	The Solar Source populations and developments of SEP Events	Stephen Kahler, AFRL/RV
1145	LUNCH	
1300	Preparing Today to use Polarimetry for Tomorrow-s Space Weather Forecasting	Curt DeKoning, CU-Boulder
1400	MHD Heliosphere with Enhanced Background Solar	Tae Kim, UAH
1430	ADAPT Multisource Ensemble Modeling	Carl Henney, AFRL/RV
1500	Closing Remarks	
	MEETING ADJOURN	