

2017 Space Sciences Annual Program Review

Dr. Julie Moses | March 27-28, 2017 | Arlington, VA

Basic Research Innovation and Collaboration Center (BRICC)
4075 Wilson Blvd., Suite 350 | Liberty Room
Arlington, VA 22203

Agenda Day 1 | March 27, 2017

Time	Title	Speaker
0830	Registration	
0900	Welcome and Logistics	
0915	High Latitude Ionospheric Scintillation Studies Using Spaced Multi-Constellation Multi-Band Software GNSS Receivers	Jade Morton (CSU)
0945	Flexible Radio Array for Ionospheric and Atmospheric Research (FRAIA)	Anders Jorgensen (New Mexico Tech)
1015	Observations of Poynting flux in the Dayside Cusp Region at Different Altitudes	Yue Deng (UT – Arlington)
1045	BREAK	
1100	Multi-scale Structuring of the High-latitude Ionosphere: Implications for Geospace Energy Flow	Josh Semeter (BU)
1130	Longitudinal Variability of Equatorial Electrodynamics and Density Irregularity	Endawoke Yizengaw (BU)
1200-1300	LUNCH	
1300	Atypical Ionospheric F-region Region Irregularities	Fabiano Rodrigues (UTD)
1330	High-Latitude Dynamics during the 17 March 2103 Magnetic Storm: COSMIC and DMSP Perspectives	William Burke (BC)
1400	Studying Topside Ionosphere using WACCM-X	Hanli Lu (NCAR)
1430		Tamoko Matsuo (CU)
1500	BREAK	
1515	Thermal Upwelling of Neutral Particles and Auroral Precipitation	Marc Lessard (UNH)
1545	Coordinated Radar, Optical and Satellite Analysis of Plasma Sheet-Subauroral Ionospheric Coupling via Meso Scale Channels	Toshi Nishimura (BU)
1615	Quantifying the Physical Processes Affecting Highly-Relativistic Electron Dynamics in the Earth's	Toshi Nishimura for Wen Li (BU)

	Radiation Belts and Their Relation to Solar Wind Conditions	
1645	Wrap-up of Day 1	
1700	MEETING ADJOURN FOR THE DAY	

1800 Dinner and/or beers at Rustico | 4075 Wilson Blvd., Arlington, VA 22203 | 571-384-1820

Agenda Day 2 March 28, 2017		
Time	Title	Speaker
0830	Registration	
0900	Specifying and Forecasting Low-latitude Space Weather	David Hysell (Cornell)
0930	The Production and Propagation of Energetic Particles and LF/VLF Radio Waves Associated with Terrestrial Gamma-ray Flashes	Joseph Dwyer (UNH)
1000	BREAK	
1030	Using Measurements of Magnetic Fields and Electric Currents in Lab and Space Plasmas to Understand the Dynamics of what is Happening	Magnus Haw (Cal Tech)
1100	Study of Solar Flares from BBSO: from Pre-eruptive Configurations to Details of Energy Release	Vasyl Yurchyshyn (NJIT)
	Lunch to arrive	
1145	Continued Investigations of Tilts and Large-Scale Wave Structure in the Equatorial F Layer and Development of Equatorial Plasma Bubbles	Roland Tsunoda (SRI)
1215	The Sources of Solar F10.7 Emission	Sam Schonfield (UNM)
1245		Bamamana Basu (BC)
1130	MEETING ADJOURN	