

All times are in Mountain Daylight Time (MDT)

Monday 22 June 2020

Student workshop: Mapping out the future directions for space physics and aeronomy

09:00-09:05	Virtual technology	
09:05-09:15	Welcome & Introduction	Delores Knipp (CSSC chair), Komal Kumari , Matthew Grawe (student rep)
09:15-10:00	High latitude and polar processes	Stephen Kaeppler (Clemson U.)
10:00-10:45	Effect of geomagnetic storms on the thermosphere-ionosphere system	Shasha Zou (U. Michigan)
10:45-11:00	Break	
11:00-11:45	Introduction to gravity waves	Christopher Heale (Embry-Riddle Aeronautical University)
11:45-12:30	Atmospheric tides, planetary waves, and vertical coupling	Ruth Lieberman (NASA/GSFC)
12:30-13:00	Break	
13:00-13:45	Status and future of data assimilation for space science	Chih-Ting Hsu (NCAR/HAO)
13:45-14:30	Living with a star in the age of data science: tools, technology, and mindsets for the modern space environment	Ryan Mcgranaghan (ASTRA)
14:30-15:00	Distributed instruments: Opportunities for next generation CEDAR science	Asti Bhatt (SRI)
15:00-15:10	Break	
15:10-15:40	The Ionospheric Connection Explorer: Mission and first data	Scott England (VT), Colin Triplett (UC Berkeley)

Tuesday 23 June 2020

NSF Townhall & NASA update

08:30-08:35	Virtual technology	
08:35-08:45	Welcome	Delores Knipp (CSSC chair)
08:45-09:05	Geospcae section update	Mike Wiltberger (NSF GS section head)
09:05-09:35	Aeronomy update	Alan Liu (NSF program manager)
09:35-10:30	Q&A via slido	Mike Wiltberger, Alan Liu, Carrie Black, Lisa Winter, Mangala Sharma, Robert Moore (NSF)
10:30-11:00	NASA update and Q&A	Nicky Fox (Heliophysics Director, NASA HQ)
11:00-11:15	Community Input to NASA FST's for ROSES 2021 and Beyond	Anthea Coster (LPAG co-chair)

Individual workshops (title are links to workshop page)

Tuesday 23 June 2020

9:00-9:30 AM		Grand Challenge Initiative
9:30-10:00 AM		Mesosphere Lower
10:00-10:30 AM		Thermosphere (Blix, Kolbjørn, Moen, Jøran, Rowland, Douglas, Lehmacher, Gerald)
11:00-11:30 AM		
11:30-12:00 AM		Data Science in CEDAR I (Ryan McGranaghan)
12:00-12:30PM	CONCERT I (Katelynn Greer)	
12:30-1:00 PM		
1:00-1:30 PM		Subauroral Science: STEVE, SAPS, SAID, and SAR arcs! (Bea Gallardo-Lacourt)
1:30-2:00 PM		
2:00-2:30 PM		
2:30-3:00 PM	Space Wx Data Portal (Eric Sutton)	

Wednesday 24 June 2020			
8:00-8:30 AM	Whole atmosphere coupling (Goncharenko)		
8:30-9:00 AM			
9:00-9:30 AM			
9:30-10:00 AM	Whole atmosphere coupling (Goncharenko)	GC: Multi-scale I-T coupling (Toshi Nishimura and Aaron Ridley)	Active Experiments (Fallen, Gentile)
10:00-10:30 AM			
10:30-11:00 AM			
11:00-11:30 AM			
11:30-12:00 AM			Climate Change and CEDAR (Nossal, Urbina, Mlynczak, Kumari)
12:00-12:30PM	CONCERT II (Katelynn Greer)		
12:30-1:00 PM			
1:00-1:30 PM	NASA Ionospheric Connection Explorer (ICON) data introduction and tutorial (Brian Harding)		
1:30-2:00 PM			
2:00-2:30 PM			
2:30-3:00 PM			
Thursday 25 June 2020			
9:00-9:30 AM		CEDAR Long-Term Vision I (Bhatt, Bossert, Goodwin, Jones Jr., Oberheide, McGranaghan)	
9:30-10:00 AM	Snakes on a Spaceship (Angeline Burrell)		
10:00-10:30 AM			
10:30-11:00 AM		CEDAR Long-Term Vision II (Bhatt, Bossert, Goodwin, Jones Jr., Oberheide, McGranaghan)	
11:00-11:30 AM	Joint Session TAD/TID/MSTIDs (Fabio Vargas, Manbharat Singh Dhadly, Kate Zawdie, Pedrina Terra)		Meteoroids and Space Debris (Julio Urbina, Sigrid Close)
11:30-12:00 AM		GC: Poynting Flux (Chartier, Matsuo, Perry, Datta-Barua, Bristow, Wang)	
12:00-12:30PM			
12:30-1:00 PM			
1:00-1:30 PM	Discovery science near the magnetic equator (Hysell and Milla)		Status and Needs: Thermospheric Winds (Dandenault, Harding, Khadka, Kaepler)
1:30-2:00 PM			
2:00-2:30 PM			
2:30-3:00 PM			
3:00-3:30 PM			
3:30 -4:00 PM	Model Systems Engineering (Hirsch, Zettergren)		
4:00-4:30 PM			
4:30 - 5:00 PM			
Friday 26 June 2020			
8:30-9:00 AM			
9:00-9:30 AM	Progress in Lidar Science and Engineering (Collins and Yuan)	Geospace storm dynamics in the upper atmosphere and ionospheric density gradients (Zhang and Wang)	
9:30-10:00 AM			
10:00-10:30 AM			
10:30-11:00 AM			
11:00-11:30 AM			
11:30-12:00 AM	Cold Plasma (Varney and Delzanno)	Diversity Equity and Inclusion and CEDAR	
12:00-12:30PM			
12:30-1:00 PM			
1:00-1:30 PM			
1:30-2:00 PM	New Modeling Capabilities (Liu and Snively)		
2:00-2:30 PM			
2:30-3:00 PM			