

GEM-CEDAR workshop agenda

Saturday June 23, 2018

Ballroom, Hotel Eldorado, Santa Fe, New Mexico

08:30 - 10:00 Multiscale aspects of the energy budget

Moderators: Hyunju Connor (UA Fairbanks), Anthony Mannucci (JPL)

08:30 - 08:45 Toshi Nishimura (BU)

08:45 - 09:00 Bill Lotko (Dartmouth College, HAO/NCAR)

09:00 - 09:15 Olga Verkhoglyadova (JPL)

09:15 - 09:30 Yue Deng (UT Arlington)

09:30 - 10:00 Panel discussion with community input

(community members can submit 1-2 slides with a contribution, the moderators will select slides to cover different aspects and foster discussion; please notify both moderators about your submission and include your name in the slides; [UPLOAD here](#))

10:00 - 10:30 Break

10:30 - 12:00 Interhemispheric processes, hemispheric symmetries & asymmetries

Moderators: Tomoko Matsuo (CU Boulder), Marc Lessard (UNH)

30 min talks include 5 min discussion

10:30 - 11:00 Bob Lysak (UMN)

11:00 - 11:30 Ingrid Clossen (U. Michigan)

11:30 - 12:00 Panel discussion with community input

(community members can submit 1-2 slides with a contribution, the moderators will select slides to cover different aspects and foster discussion; please notify both moderators about your submission and include your name in the slides; [UPLOAD here](#))

12:00 - 13:30 Lunch on your own

13:30 - 15:00 What is needed to make progress?

Moderators: Aaron Ridley (UM), Bill Bristow (UAF)

13:30 - 13:50 Bill Bristow (UAF): History and Current State of the Space Weather Observation Network with discussion

13:50 - 14:10 Aaron Ridley (UM): Science topics and motivation with discussion

14:10 - 14:30 Seebany Datta-Barua (IIT): Operational considerations and data science needs for a large heterogeneous networks with discussion

14:30 - 14:45 Josh Semeter (BU): Future plans with discussion

14:45 - 15:00 Discussion/Wrap-up

15:00 - 15:30 Break

15:30 - 17:00 Data Science in Geospace

Moderators: Seebany Datta-Barua (IIT), Ryan McGranaghan (JPL)

Executive secretary: Aaron Ridley

15:30 - 15:40 Introduction

15:30 - 15:40 Ryan McGranaghan (JPL): What is data science and what does it mean in the context of Heliophysics?

15:40 - 16:10 State-of-the-art data processing for Heliophysics

15:40 - 15:55 Jade Morton (CU Boulder): ionosphere

15:55 - 16:10 Jacob Bortnik (UCLA): magnetosphere

16:10 - 16:40 What's to come?

16:10-16:25 Susan Skone (U. Calgary): TREx and the future of geospace enterprises through integration of instrument/facility development and user-centric approach: How this has been accomplished in Canada.)

16:25 - 16:40 Jeff Thayer (CU Boulder): Creating '[convergence](#)'

16:40 - 17:00 Discussion/Wrap-up

- Open discussion led by moderators
- Focus on organizing future efforts (CEDAR/GEM Data Science Working Group, Community of Practice, etc.)