

SHINE 2023 Workshop Schedule
August 6 - 11, 2023
Stowe, VT

Sunday, August 6: Student Day - For Students Only

Monday, August 7

7:00 Breakfast

8:30 Welcome and Opening Remarks: *Lugaz & Al-Haddad*

8:45 Student Day Summary *Konow & Terres*

9:00 NSF Report and Other business

9:45 Plenary Talk *Lulu Zhao* (U. Michigan)

10:30 Coffee Break

11:00 Working Group Sessions

- A. Where in the solar interior lies the seat of the dynamo? (#1)
- B. Quantification and clustering of different CME initiation methods - numerical and observational analysis (#5)
- C. The Interaction Between the Heliosphere and the Local Interstellar Medium (#17)
- D. Heliospheric Physics and Neutron Monitors (#19)

12:15 Lunch Break

14:00 WG Sessions continue

15:15 WG Sessions finish

15:30 Informal discussions + Posters

16:15 NSF Proposal Writing – Discussion with Dr. Lisa Winter (NSF)

18:00 Welcome reception and Posters

Tuesday, August 8

7:00 Breakfast

8:30 Working Group ‘Progress and Prospects’ Reports *WG Leaders*

9:00 Plenary Talk *Robert Wicks* (Northumbria)

10:00 Working Group Sessions

- A. Revisiting the Three-Part Structure of Coronal Mass Ejections by Combining the Advanced Remote-sensing and In-situ Observations (#6)
- B. Concepts for Future Solar and Solar Wind Missions (#20)
- C. The Kinetic Physics of Energy Conversion in Weakly Collisional Space Plasmas (#14)

11:15 Coffee Break

11:45 WG Sessions continue

13:00 Lunch Break

14:30 Working Group Sessions

- A. The Structure & Evolution of Active-Region Coronal Currents (#2)
- B. Multipoint probing of large-scale structures and their impact in the inner heliosphere (#7)
- C. What radio data can do for you! (#18)
- D. What are the Basic Building Blocks of Solar Wind Turbulence? (#15)

15:45 Coffee Break

16:15 WG Sessions continue

17:30 Poster Session with refreshments

Wednesday, August 9

7:00 Breakfast

8:30 Working Group 'Progress and Prospects' Reports *WG Leaders*

9:30 Plenary Talk: *Yeimy Rivera* (CfA)

10:30 Working Group Sessions

A. Solar-stellar eruption analogy: observations and models (#3)

B. Secondary neutral emission from solar flares to probe energetic particle acceleration (#12)

C. Multiscale Nature of Heliospheric Turbulence from Inertial Scales to Dissipation Range (#16)

11:45 Coffee Break

12:15 WG Sessions continue

13:30 Free afternoon

18:00 Posters with Refreshment

Thursday, August 10

7:00 Breakfast

8:30 Working Group 'Progress and Prospects' Reports *WG Leaders*

9:00 Plenary Talk: *Jenna Samra* (CfA)

10:00 Town Hall & Q&A: Update on Heliophysics Decadal Survey *Robyn Millan* (Dartmouth)

10:45: Coffee Break

11:15 Working Group Sessions

A. Multiwavelength diagnostics of the magnetic environment of coronal mass ejections (CMEs) and their precursors. (#4)

B. Understanding the solar wind from its origin to heliosphere through the lens of heavy ion composition (#8)

C. SHINE SEP Model Validation Challenge: Cross-Model Validation (#10)

12:30 Lunch Break

13:00 Heliophysics Advocacy (During Lunch)

14:00 WG Sessions continue

15:15 WG Sessions finish

15:30 Poster Session

18:45 Banquet

Friday, August 11

7:00 Breakfast

8:30 Working Group 'Progress and Prospects' Reports *WG Leaders*

9:00 Town Hall: *Empowering Heliophysics Researchers as Science Communicators for Public Outreach*

10:15 Working Group Sessions

A. Energy release in the lower corona and its connection with the slow solar wind (#13)

B. Advancing Space Weather Forecasting: Addressing Knowledge Gaps and Leveraging Modern Techniques (#9)

C. Understanding the role of turbulence and diffusion in SEP and GCR transport in the heliosphere. (#11)

11:30 Coffee Break

12:00 WG Sessions continue

13:15 Final Remarks, Discussion of Next Year's Workshop

13:45 Workshop Adjourns