

SHINE 2015 Workshop Schedule
July 5-10, 2015
Stowe, VT

Sunday, July 5: Student Day - For Students Only

Monday, July 6

7:00 Breakfast

8:30 Welcome and Opening Remarks: *Chandran & Lugaz*

8:45 Description of Sessions: *Session Leaders*

11:15 Coffee Break

11:45 NSF Report: *Iliia Roussev*

12:15 Plenary Talk: Don Reames

13:00 Lunch Break

14:00 Working Group Sessions

1. Understanding the Origin and Transport of GLEs with Modern Observations (deNolfo/Christian/Ryan/Petrosian)
2. Heavy Ion Composition in the Heliosphere (Zhao/Lepri/Landi)
3. Plasma Turbulence in Solar Wind and Corona: from Fluid to Kinetic Scales. Part 1. (Matthaeus/Tessein/Wan/Shay)

15:15 Coffee Break

15:45 WG Sessions continue

17:00 Welcome reception and Posters

19:00 Adjourn

Tuesday, July 7

7:00 Breakfast

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

9:00 Plenary Talk: Bill Dorland

9:45 Working Group Sessions

1. Frontiers in modeling magnetic flux emergence and the development of solar eruptive activities (Linton/Fan)
2. Plasma Turbulence in Solar Wind and Corona: from Fluid to Kinetic Scales. Part 2. (Matthaeus/Tessein/Wan/Shay)
3. The Role of Electron Thermodynamics for the Multi-Scale Evolution of the Solar Wind. (Salem/Verscharen) Part 1.

11:00 Coffee Break

11:30 WG Sessions continue

12:45 Lunch Break

14:00 Working Group Sessions

1. Techniques for Connecting In-situ Observations with Solar Sources (Richardson/Wicks/Mays/Miralles)
2. The Role of Electron Thermodynamics for the Multi-Scale Evolution of the Solar Wind. Part 2. (Salem/Verscharen)
3. Accuracy of spacecraft measurements of solar wind plasma: Past, Present and Future (Podesta/Steinberg)

15:15 Coffee Break

15:45 WG Sessions continue

17:00 Poster Session with refreshments

20:00 Discussion of the NSF AGS/Geospace Section Portfolio Review

Wednesday, July 8

7:00 Breakfast

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

9:20 Plenary Talk: Ward Manchester

10:05 Working Group Sessions

1. Physics of the relationship of ICMEs to their CME progenitors (Arge/White)
2. The Final Frontier of Kinetic Turbulence: Distribution Function Dynamics (Howes/Klein)
3. Challenges in understanding 3D magnetic reconnection in observations and simulations (Wyper/Guidoni)

11:05 Coffee Break

11:30 WG Sessions continue

13:00 Lunch, free afternoon

Thursday, July 9

7:00 Breakfast

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

9:00 Plenary Talk: Hugh Hudson

9:45 Working Group Sessions

1. Campaign Effort on Energy Storage (Leka/Barnes)
2. Ground based, remote sensing and in situ measurements - how to tie multi-platform information together to better address questions about CMEs and SEPs (Korreck/Schwadron)
3. What is the Role of non-Maxwellian Ion Distributions in the Solar Wind? (Verscharen/Klein)

11:00 Coffee Break

11:30 WG Sessions continue

12:45 Lunch Break

14:00 Working Group Sessions

- 1 The Turbulent Dissipation Problem in Weakly Collisional Plasmas: Moving the Challenge Forward. Part 1. (Parashar/Salem)
2. When And Why Does Space Weather Forecasting Fail?. Part 1. (Richardson/Mays/Thompson/Nieves-Chinchilla)

15:15 Coffee Break

15:45 WG Sessions continue

17:00 Poster Session

18:30 Cocktails

19:00 Banquet

Friday, July 10

7:00 Breakfast

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

9:20 Working Group Sessions

1. The Turbulent Dissipation Problem in Weakly Collisional Plasmas: Moving the Challenge Forward. Part 2. (Parashar/Salem)
2. When And Why Does Space Weather Forecasting Fail?. Part 2. (Richardson/Mays/Thompson/Nieves-Chinchilla)

10:30 Coffee Break

11:00 WG Sessions continue

12:20 Final Remarks, Discussion of Next Year's Workshop

12:45 Workshop Adjourns