

SHINE 2017 Workshop Schedule  
July 23-28, 2017  
St Sauveur, QC, Canada

**Sunday, July 23: Student Day - For Students Only**

**Monday, July 24 [Chair: Michael Shay]**

7:00 Breakfast

8:20 Welcome and Opening Remarks: *de Nolfo & Lugaz*

8:35 Student Day Summary

8:40 Description of Sessions: *Session Leaders*

10:50 Coffee Break

11:15 Agency Talks: *Paul Shepson, Ilia Roussev & Carrie Black (NSF), Elsayed Talaat (NASA)*

12:15 Plenary Talk 1: *James Drake*

13:00 Lunch Break

14:00 Working Group Sessions

1. Disentangling Expansion Effects and Collisional Relaxation in the Solar Wind

*(Alterman, Klein, Maruca, Verscharen )*

2. Suprathermal population in interplanetary space *(Dayeh/Ebert/Lugaz)*

3. Understanding the Structure and Morphology of CMEs by Integrating Observations and Modeling *(Janvier/Linton/Manchester/Nieves-Chinchilla)*

15:15 Coffee Break

15:45 WG Sessions continue

17:00 Welcome reception and Posters

19:00 Adjourn

**Tuesday, July 25 [Chair: Noe Lugaz]**

7:00 Breakfast

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

9:00 Plenary Talk 2: *Paul Charbonneau*

9:45 Working Group Sessions

1. Magnetic Reconnection in Turbulence and Turbulent Magnetic Reconnection: Outstanding Challenges *(TenBarge/Roytershteyn/Shay)*

2. Solar magnetic activity and solar-stellar connections *(Thompson/England/Kitiashvili/Hoeksema/Dikpati)*

3. Observational signatures of shocks in flares *(Reeves/Li)*

11:00 Coffee Break

11:30 WG Sessions continue

12:45 Lunch Break

14:00 Working Group Sessions

1. Connecting Slow Solar Wind Theories to Current and Future Observations

*(Edmondson/Zhao/Higginson/Lynch/Sun)*

2. DKIST Coronal Spectroscopy: The Missing Link in Coupling the Sun and Heliosphere *(Cranmer/Martinez Pillet/Miralles/McIntosh)*

3. SEP Events and Suprathermal Seed Particles (*Cohen/Ho/Murphy*)  
15:15 Coffee Break  
15:45 WG Sessions continue  
17:00 Poster Session with refreshments

### **Wednesday, July 26 [Chair: Nick Arge]**

7:00 Breakfast  
8:30 Working Group 'Progress and Prospects' Reports *WG Leaders*  
9:30 Plenary Talk 3: *Benjamin Lynch*  
10:15 Working Group Sessions  
    1. What are the Energy Partition and Dominant Energy Transport Mechanisms Associated with Magnetic Reconnection for Different Heliospheric Plasmas? (*Kazachenko/Lynch/Murphy/Tarr/Guidoni*)  
    2. The Space Physics of Star-Planet Interactions (*Alexander/DeRosa*)  
    3. Lessons from 10 years of STEREO results and applicability to future heliospheric missions (*Thompson/Lugaz/Nieves-Chinchilla/Li*)  
11:20 Coffee Break  
11:45 WG Sessions continue  
13:10 Lunch, free afternoon

### **Thursday, July 27 [Chair: KD Leka]**

7:00 Breakfast  
8:30 Working Group 'Progress and Prospects' Reports *WG Leaders*  
9:00 Plenary Talk 4: *Hilary Cane*  
9:45 Working Group Sessions  
    1. Dissipation in the Solar Wind: Kinetic Processes (*Gary/Klein/Parashar/Salem/Verscharen*)  
    2. Energetic Particles in the Late Phase of Flares (*Cane/Ryan/White*)  
    3. Time histories and topologies of heliospheric structures measured in situ (*Jackson/Webb*)  
11:00 Coffee Break  
11:30 WG Sessions continue  
12:45 Lunch Break  
  
14:00 Working Group Sessions  
    1. Dissipation in the Solar Wind: Kinetic Processes (*Gary/Klein/Parashar/Salem/Verscharen*)  
    2. SEP Events, Suprathermal Seed Particles and  $^3\text{He}$  (*Cohen/Ho/Murphy*)  
    3. Understanding the Structure and Morphology of CMEs by Integrating Observations and Modeling (*Janvier/Linton/Manchester/Nieves-Chinchilla*)  
15:15 Coffee Break  
15:45 Poster Session  
18:30 Cocktails  
19:00 Banquet

### **Friday, July 28 [Chair: Eric Christian]**

7:00 Breakfast  
8:30 Working Group 'Progress and Prospects' Reports *WG Leaders*

9:10 Working Group Sessions

1. Evolution and Influences of Plasma Turbulence in the Heliosphere (*Matthaeus/Parashar/Chasapis*)

2. Energetic Particles in the Late Phase of Flares (*Cane/Ryan/White*)

10:25 Coffee Break

11:00 WG Sessions continue

12:15 Final Remarks, Discussion of Next Year's Workshop

12:45 Workshop Adjourns