

# SHINE 2009

## Workshop Program

### Monday, August 3 (chair: Holly Gilbert)

7:00	Breakfast	
8:30	Opening Remarks	<i>C. Cohen/Alexander</i>
8:45	Description of Working Group (WG) Sessions	<i>WG Leaders</i>
11:15	Coffee Break	
11:45	Update from GEM	<i>Chris Russell</i>
12:00	Invited Paper 1: Radio diagnostics of electron acceleration in the corona and in the interplanetary medium	<i>Nicole Vilmer</i>
12:45	Lunch Break	
14:00	Working Group Sessions	
	1) Modeling a CME from its eruption to its interplanetary propagation out past Earth: The May 13, 2005 Event	<i>Cohen/Arge</i>
	2) 3He rich impulsive SEP events from a quiescent Sun	<i>Haggerty/Hill</i>
	3) Reconnection in large, high-Lundquist number coronal plasmas	<i>Bhattacharjee/Forbes</i>
15:15	Coffee Break	
15:45	WG Sessions continue	
17:00	Welcome reception and Posters	
19:00	Adjourn	

### Tuesday, August 4 (chair: Angelos Vourlidas)

7:00	Breakfast	
8:30	Plenary: Working Group Summaries	<i>WG Leaders</i>
9:00	Invited Paper 2: New observations of CIRs	<i>Glenn Mason</i>
9:45	Set up break	
9:50	Working Group Sessions	
	1) Non-balanced turbulence in the solar wind	<i>Chandran/Boldyrev</i>
	2) Introduction to community models	<i>Linker</i>
	3) The late/gradualsecond phase of flares and the implications for solar particle acceleration	<i>Cane/White</i>
10:50	Coffee Break	
11:15	WG Sessions continue	
12:45	Lunch Break	
14:00	Working Group Sessions	
	1) Non-balanced turbulence in the solar wind	<i>Chandran/Boldyrev</i>

- 2) The role of the coronal and heliospheric magnetic field in the solar cycle and possible feedback on the solar dynamo *Cohen/Brandenburg*
- 3) Corotating interaction regions: heliospheric structure in 3 (and 4) dimensions *Leske/Simunac*
- 15:15 Coffee Break
- 15:45 WG Sessions continue
- 17:00 Poster Session with refreshments
- 19:00 Adjourn

### Wednesday, August 5 (chair: Bill Abbett)

- 7:00 Breakfast
- 8:30 Plenary: Working Group Summaries *WG Leaders*
- 9:15 Invited Paper 3: How Unprecedented a Solar Minimum? *Chris Russell*
- 10:00 Set up break
- 10:05 Working Group Sessions
- 1) Recent unprecedented weak solar wind : a solar glitch or a harbinger for the next Maunder minimum? *Feynman/Luhmann*
- 2) Observational tests of suprathermal particle acceleration theories *Dayeh/Hill*
- 3) Unsteady magnetic reconnection *Intrator/Borovsky*
- 11:05 Coffee Break
- 11:30 WG Sessions continue
- 1:00 Lunch, free afternoon
- 18:00 Steering Committee, WG+Student Leaders, Agency Rep Dinner

### Thursday, August 6 (chair: Ben Chandran)

- 7:00 Breakfast
- 8:30 Plenary: Working Group Summaries *WG Leaders*
- 9:00 Invited Paper 4: Theory of Magnetic Reconnection for Solar Applications *Paul Cassak*
- 9:45 Set up break
- 9:50 Working Group Sessions
- 1) Pinning down the physical processes that generate the slow solar wind *Chandran/Cranmer*
- 2) What is the acceleration mechanism for ACRs and where is it happening? *Florinski/Cummings*
- 3) Active region magnetic fields: from the photosphere to the corona *Rast/Abbett*
- 10:50 Coffee Break
- 11:15 WG Sessions continue

12:45	Lunch Break	
14:00	Working Group Sessions	
	1) Pinning down the physical processes that generate the slow solar wind	<i>Chandran/Cranmer</i>
	2) What is the acceleration mechanism for ACRs and where is it happening?	<i>Florinski/Cummings</i>
	3) Active region magnetic fields: from the photosphere to the corona	<i>Rast/Abbett</i>
15:15	Coffee Break	
15:45	WG Sessions continue	
15:45	Steering Committee Meeting	<i>Steering Committee</i>
17:00	Poster Session	
18:30	Banquet (Cocktails at 18:30; Dinner at 19:00)	

### **Friday, August 7 (chair: Ilia Roussev)**

7:00	Breakfast	
8:30	Plenary: Working Group Summaries	<i>WG Leaders</i>
9:00	Set up break	
9:05	Working Group Sessions	
	1) Outstanding issues on the shock formation by CMEs	<i>Vourlidas/Roussev/ Opher</i>
	2) Merging different views of structure: structure of the magnetic field, structure of the plasma, structure of the suprathermal particles, and structure of the flow	<i>Borovsky/Steinberg</i>
	3) Relationships between flares and CMEs	<i>Y. Li/Lynch</i>
10:35	Coffee Break	
10:45	WG Sessions continue	
12:00	Final Remarks, Discussion of Next Year's Workshop	<i>C. Cohen/Alexander</i>
12:30	Workshop Adjourns	