

# SHINE 2008

## Workshop Program

Joint GEM+SHINE sessions/activities are indicated in blue

### Monday, June 23 (chair: Simon Plunkett)

7:00	Breakfast	
8:15	GEM+SHINE Plenary: Opening Remarks	<i>Cohen/Alexander/ Raeder</i>
8:30	GEM+SHINE: CCMC/NOAA/NASA Talks	<i>Michael Hesse, Howard Singer, Mona Kessel Bob McPherron</i>
8:45	GEM+SHINE Paper 1: What Magnetospheric Researchers Need from Solar-Wind Researchers	
	GEM+SHINE Paper 2: Sun-to-Earth Models Now and in Future	<i>Vic Pizzo</i>
10:00	Coffee Break	
10:15	Description of Working Group (WG) Sessions	<i>WG Leaders</i>
11:30	SHINE Invited Paper 1: Voyager Observations at the Termination Shock and in the Heliosheath	<i>Ed Stone</i>
12:15	Lunch Break	
13:30	Working Group Sessions	
	1 Relationships Between Flares and CMEs	<i>Lynch / McTiernan</i>
	2 Vector Magnetic Input to Global Models	<i>DeRosa / Roussev</i>
	3 What is the Acceleration Mechanism for ACRs and Where is it Happening?	<i>Cummings / Jokipii</i>
	GEM-SHINE: Multiple Dip Geomagnetic Storms	<i>Richardson / Jordanova</i>
15:00	Coffee Break	
15:30	WG Sessions continue	
	1 Relationships Between Flares and CMEs	<i>Lynch / McTiernan</i>
	2 Vector Magnetic Input to Global Models	<i>DeRosa / Roussev</i>
	3 What is the Acceleration Mechanism for ACRs and Where is it Happening?	<i>Cummings / Jokipii</i>
	GEM-SHINE: Multiple Dip Geomagnetic Storms	<i>Richardson / Jordanova</i>
17:00	Welcome reception and Posters	
19:00	Adjourn	

### Tuesday, June 24 (chair: John Raymond)

7:00	Breakfast	
8:00	SHINE Plenary: Working Group Summaries	<i>WG Leaders</i>
8:30	SHINE Invited Paper 2: Hard X-rays, Flares, and particle acceleration	<i>Markus Aschwanden</i>
9:15	Working Group Sessions	

	1 The Magnetic and Energetic Connection between the Solar Convection Zone and the Corona	<i>Abbett</i>
	2 Radio Observations of Electrons from the Corona to the Magnetosphere	<i>Kasper / Haggerty</i>
	3 What is the Acceleration mechanism for ACRs and Where is it Happening?	<i>Cummings / Jokipii</i>
10:15	Coffee Break	
10:30	WG Sessions continue	
	1 The Magnetic and Energetic Connection between the Solar Convection Zone and the Corona	<i>Abbett</i>
	2 Radio Observations of Electrons from the Corona to the Magnetosphere	<i>Kasper / Haggerty</i>
	3 What is the Acceleration mechanism for ACRs and Where is it Happening?	<i>Cummings / Jokipii</i>
	<a href="#">GEM-SHINE: Creation and Propagation of CMEs &amp; Plasmoids</a>	<i>Reeves / Birn</i>
12:15	Lunch Break	
13:30	Working Group Sessions	
	1 The Theory of Suprathermal Particle Acceleration	<i>Hill / Giacalone</i>
	2 The Prediction, Emergence, and Consequence of Large Active Regions	<i>Rast</i>
	3 Heliospheric Plasma Sheet	<i>Richardson / Vourlidas</i>
	<a href="#">GEM-SHINE: Small-Scale Structure in the Solar Wind</a>	<i>Borovsky / Lavraud</i>
15:00	Coffee Break	
15:30	WG Sessions continue	
	1 The Theory of Suprathermal Particle Acceleration	<i>Hill / Giacalone</i>
	2 The Prediction, Emergence, and Consequence of Large Active Regions	<i>Rast</i>
	3 Heliospheric Plasma Sheet	<i>Richardson / Vourlidas</i>
	<a href="#">GEM-SHINE: Is there a Need for More Detailed SW Models</a>	<i>Arge / McPherron</i>
17:00	Poster Session with refreshments	
19:00	Adjourn	

### Wednesday, June 25 (chair: Ian Richardson)

7:00	Breakfast	
8:15	SHINE Plenary: Working Group Summaries	<i>WG Leaders</i>
8:45	<a href="#">GEM+SHINE Paper 3: The Solar Wind as a Magnetic Reconnection Laboratory</a>	<i>Jack Gosling</i>
9:45	<a href="#">CAWSES II Announcement</a>	<i>Janet Kozyra</i>
10:00	Coffee Break	
10:30	Working Group Sessions	
	1 Origin of the Structure in the Solar Wind	<i>Borovsky / Arge</i>
	2 Hard X-rays and Particle Acceleration in Flares	<i>Krücker</i>
	3 Introduction to Community Models	<i>Linker</i>
	<a href="#">GEM-SHINE: What Determines When Reconnection Turns On?</a>	<i>Antiochos / Shay</i>
1:00	Lunch, free afternoon	

18:30 Steering Committee, Student+WG Leaders, Agency Rep  
Dinner

#### Thursday, June 26 (chair: Mihir Desai)

7:00	Breakfast	
8:00	SHINE Plenary: Working Group Summaries	WG Leaders
8:30	SHINE Invited Paper 3: New views of the chromosphere from Hinode and radiative 3D MHD simulations	Bart De Pontieu
9:15	Working Group Sessions	
	1 Where and How do Shocks Form in the Corona?	Opher / Vourlidas
	2 Turbulence in the Solar Wind	Chandran / Giacalone
	3 Impulsive 3He-Rich and Electron Events	Haggerty / Krücker
10:15	Coffee Break	
10:30	WG Sessions continue	
	1 Where and How do Shocks Form in the Corona?	Opher / Vourlidas
	2 Turbulence in the Solar Wind	Chandran / Giacalone
	3 Impulsive 3He-Rich and Electron Events	Haggerty / Krücker
	<a href="#">GEM-SHINE: SEPs from Heliosphere to Magnetosphere</a>	Luhmann / Hudson
12:15	Lunch Break	
13:30	Working Group Sessions	
	1 CME Dynamics - What are EUV Waves?	Vourlidas / Roussev
	2 Turbulence in the Solar Wind	Chandran / Giacalone
	3 Campaign Event 5-14 December 2006	Mulligan / Hu
	<a href="#">GEM-SHINE: Comparing the Properties of Magnetic Reconnection in Various Environments</a>	Gosling / Hesse
15:00	Coffee Break	
15:30	WG Sessions continue	
	1 CME Dynamics - What are EUV Waves?	Vourlidas / Roussev
	2 Turbulence in the Solar Wind	Chandran / Giacalone
	3 Campaign Event 5-14 December 2006	Mulligan / Hu
	<a href="#">GEM-SHINE: Comparing the Properties of Magnetic Reconnection in Various Environments</a>	Gosling / Hesse
19:30	<a href="#">Joint GEM-SHINE Banquet</a>	

#### Friday, June 27 (chair: Joe Giacalone)

7:00	Breakfast	
8:00	SHINE Plenary: Working Group Summaries	WG Leaders
8:30	Working Group Sessions	
	1 Modeling a "Simple" CME from its Eruption to its Interplanetary Propagation out past Earth: The May 13, 2005 Event	Arge
	2 Understanding Prominence Mass	Gilbert / Alexander
	3 Campaign Event 5-14 December 2006	Mulligan / Verkhoglyadova

10:00	Coffee Break	
10:30	WG Sessions continue	
	1 Modeling a "Simple" CME from its Eruption to its Interplanetary Propagation out past Earth: The May 13, 2005 Event	<i>Arge</i>
	2 Understanding Prominence Mass	<i>Gilbert / Alexander</i>
	3 Campaign Event 5-14 December 2006	<i>Mulligan / Verkhoglyadova</i>
	<a href="#">GEM-SHINE: Perpendicular ion Heating</a>	<i>Chandran / Lysak</i>
12:00	Final Remarks, Discussion of Next Year's Workshop	<i>Cohen/Alexander</i>
12:30	Workshop Adjourns	