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  
        Cohen/Raeder
8:30    GEM+SHINE NSF Talk  
        Paul Bellaire,  
        Kile Baker
8:45    GEM+SHINE: CCMC/NOAA/NASA Talks  
        Michael Hesse,  
        Howard Singer,  
        Mona Kessel
9:00    GEM+SHINE Paper 1: What Magnetospheric Researchers Need from Solar-Wind Researchers  
        GEM+SHINE Paper 2: Sun-to-Earth Models Now and in Future  
        Bob McPherron
10:00   Coffee Break
10:15   Description of Working Group (WG) Wessions  
        WG Leaders
11:30   SHINE Invited Paper 1: Voyager Observations at the Termination Shock and in the Heliosheath  
        Ed Stone
12:15   Lunch Break
13:30   Working Group Sessions
        1. What is the Acceleration Mechanism for ACRs and Where is it Happening?  
           Cummings / Jokipii
        2. Relationships Between Flares and CMEs  
           Lynch / McTiernan
        3. Vector Magnetic Input to Global Models  
           DeRosa / Roussev
        GEM-SHINE: Multiple Dip Geomagnetic Storms  
        Richardson / Jordanova
15:00   Coffee Break
15:30   WG Sessions continue
        1. What is the Acceleration Mechanism for ACRs and Where is it Happening?  
           Cummings / Jokipii
        2. Relationships Between Flares and CMEs  
           Lynch / McTiernan
        3. Vector Magnetic Input to Global Models  
           DeRosa / Roussev
        GEM-SHINE: Multiple Dip Geomagnetic Storms  
        Richardson / Jordanova
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  
        WG Leaders
8:30    SHINE Invited Paper 2: Hard X-rays, Flares, and particle acceleration  
        Markus Aschwanden
9:15    Working Group Sessions
1 Radio Observations of Electrons from the Corona to the Magnetosphere  
Kasper / Haggerty
2 What is the Acceleration mechanism for ACRs and Where is it Happening?  
Cummings / Jokipii
3 The Magnetic and Energetic Connection between the Solar Convection Zone and the Corona  
Abbett

10:15 Coffee Break
10:30 WG Sessions continue
1 Radio Observations of Electrons from the Corona to the Magnetosphere  
Kasper / Haggerty
2 What is the Acceleration mechanism for ACRs and Where is it Happening?  
Cummings / Jokipii
3 The Magnetic and Energetic Connection between the Solar Convection Zone and the Corona  
Abbett
GEM-SHINE: Creation and Propagation of CMEs & Plasmoids  
Reeves / Birn

12:15 Lunch Break
13:30 Working Group Sessions
1 The Theory of Suprathermal Particle Acceleration  
Hill / Giacalone
2 The Prediction, Emergence, and Consequence of Large Active Regions  
Rast
3 Heliospheric Plasma Sheet  
Richarson / Vourlidas
GEM-SHINE: Small-Scale Structure in the Solar Wind  
Borovsky / Lavraud

15:00 Coffee Break
15:30 WG Sessions continue
1 The Theory of Suprathermal Particle Acceleration  
Hill / Giacalone
2 The Prediction, Emergence, and Consequence of Large Active Regions  
Rast
3 Heliospheric Plasma Sheet  
Richarson / Vourlidas
GEM-SHINE: Is there a Need for More Detailed SW Models  
Arge / McPherron

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  
WG Leaders
8:45 GEM+SHINE Paper 3: The Solar Wind as a Magnetic Reconnection Laboratory  
Jack Gosling
9:45 CAWSES II Announcement  
Janet Kozyra
10:00 Coffee Break
10:30 Working Group Sessions
1 Hard X-rays and Particle Acceleration in Flares  
Krücker
2 Origin of the Structure in the Solar Wind  
Borovsky / Arge
3 Introduction to Community Models  
Linker
GEM-SHINE: What Determines When Reconnection Turns On?  
Antiochos / Shay
1:00 Lunch, free afternoon
Thursday, June 26 (chair: Joe Giacalone)

7:00 Breakfast
8:00 SHINE Plenary: Working Group Summaries
8:30 SHINE Invited Paper 3: New views of the chromosphere from Hinode and radiative 3D MHD simulations
9:15 Working Group Sessions
   1 Impulsive 3He-Rich and Electron Events
   2 Turbulence in the Solar Wind
   3 Where and How do Shocks Form in the Corona?
10:15 Coffee Break
10:30 WG Sessions continue
   1 Impulsive 3He-Rich and Electron Events
   2 Turbulence in the Solar Wind
   3 Where and How do Shocks Form in the Corona?
   GEM-SHINE: SEPs from Heliosphere to Magnetosphere
12:15 Lunch Break
13:30 Working Group Sessions
   1 Campaign Event 5-14 December 2006
   2 Turbulence in the Solar Wind
   3 CME Dynamics - What are EUV Waves?
   GEM-SHINE: Comparing the Properties of Magnetic Reconnection in Various Environments
15:00 Coffee Break
15:30 WG Sessions continue
   1 Campaign Event 5-14 December 2006
   2 Turbulence in the Solar Wind
   3 CME Dynamics - What are EUV Waves?
   GEM-SHINE: Comparing the Properties of Magnetic Reconnection in Various Environments
17:00 Poster Session
19:30 Joint GEM-SHINE Banquet

Friday, June 27 (chair: Mihir Desai)

7:00 Breakfast
8:00 SHINE Plenary: Working Group Summaries
8:30 Working Group Sessions
   1 Understanding Prominence Mass
   2 Modeling a “Simple” CME from its Eruption to its Interplanetary Propagation out past Earth: The May 13, 2005 Event
   GEM-SHINE: Comparing the Properties of Magnetic Reconnection in Various Environments

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<th>Time</th>
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<td>10:00</td>
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<td>Verkhoglyadova</td>
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<td>10:30</td>
<td>WG Sessions continue</td>
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<td>1 Understanding Prominence Mass</td>
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<td>Interplanetary Propagation out past Earth: The May 13, 2005 Event</td>
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<td>3 Campaign Event 5-14 December 2006</td>
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<td>Final Remarks, Discussion of Next Year’s Workshop</td>
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<td>12:30</td>
<td>Workshop Adjourns</td>
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