SHINE 2008
Workshop Program

Monday, June 23 (chair: Simon Plunkett)

7:00    Breakfast
8:15    Opening Remarks                                      Cohen/Raeder
8:30    Agency Talks                                         Paul Bellaire, et al.
9:00    Joint Paper 1: What Magnetospheric Researchers Need from Solar-Wind Researchers
        Joint Paper 2: Sun-to-Earth Models Now and in Future        Bob McPherron
10:00   Coffee Break
10:15   Description of Working Group (WG) Sessions            WG Leaders
11:30   Invited Paper 2: Voyager Observations at the Termination Shock and in the Heliosheath Ed Stone
12:15   Lunch Break
13:30   Working Group Sessions                                 Cummings / Jokipii
        1 What is the Acceleration Mechanism for ACRs and Where is it Happening?
        2 Relationships Between Flares and CMEs                    Lynch / McTiernan
        3 Vector Magnetic Input to Global Models                   DeRosa / Roussev
        GEM-SHINE: Double Dip Geomagnetic Storms                   Richardson / Jordanova
15:00   Coffee Break
15:30   WG Sessions continue                                   Cummings / Jokipii
        1 What is the Acceleration Mechanism for ACRs and Where is it Happening?
        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    Plenary: Working Group Summaries                      WG Leaders
8:30    Invited Paper 1: Hard X-rays, Flares, and particle acceleration Markus Aschwanden
9:15    Working Group Sessions                                 Kasper / Haggerty
        1 Radio Observations of Electrons from the Corona to the Magnetosphere
        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  
      Richardson / 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  
      Richardson / 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 Plenary: Working Group Summaries  
   WG Leaders
8:45 Joint Paper 3: The Solar Wind as a Magnetic Reconnection Laboratory  
   Jack Gosling
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  Model Training  
      Linker
   GEM-SHINE: What Determines When Reconnection Turns On?  
   Antiochos / Shay
1:00 Lunch, free afternoon
18:00 Steering Committee, WG Leaders, Agency Rep Dinner

Thursday, June 26 (chair: Joe Giacalone)

7:00 Breakfast
8:00 Plenary: Working Group Summaries  
   WG Leaders
8:30 Invited Paper 3: New views of the chromosphere from Hinode and radiative 3D MHD simulations
Bart De Pontieu

9:15 Working Group Sessions
1 Impulsive 3He-Rich and Electron Events
Haggerty / Krücker
2 Turbulence in the Solar Wind
Chandran / Giacalone
3 Where and How do Shocks Form in the Corona?
Opher / Vourlidas

9:45 Coffee Break

10:15 Working Group Sessions
1 Impulsive 3He-Rich and Electron Events
Haggerty / Krücker
2 Turbulence in the Solar Wind
Chandran / Giacalone
3 Where and How do Shocks Form in the Corona?
Opher / Vourlidas
GEM-SHINE: SEPs from Heliosphere to Magnetosphere
Luhmann / Hudson

10:45 Poster Session

11:30 Lunch Break

13:30 Working Group Sessions
1 Campaign Event 5-14 December 2006
Mulligan / Hu
2 Turbulence in the Solar Wind
Chandran / Giacalone
3 CME Dynamics - What are EUV Waves?
Vourlidas / Roussev
GEM-SHINE: Comparing the Properties of Magnetic Reconnection in Various Environments
Gosling / Hesse

15:00 Coffee Break

15:30 Working Group Sessions
1 Campaign Event 5-14 December 2006
Mulligan / Hu
2 Turbulence in the Solar Wind
Chandran / Giacalone
3 CME Dynamics - What are EUV Waves?
Vourlidas / Roussev
GEM-SHINE: Comparing the Properties of Magnetic Reconnection in Various Environments
Gosling / Hesse

17:00 Poster Session

19:30 Joint GEM-SHINE Banquet

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**Friday, June 27 (chair: Mihir Desai)**

7:00 Breakfast

8:00 Plenary: Working Group Summaries
WG Leaders

8:30 Working Group Sessions
1 Understanding Prominence Mass
Gilbert / Alexander
2 Modeling a “Simple” CME from its Eruption to its Interplanetary Propagation out past Earth: The May 13, 2005 Event
Arge
3 Campaign Event 5-14 December 2006
Mulligan / Hu

10:00 Coffee Break

10:30 Working Group Sessions
1 Understanding Prominence Mass
Gilbert / Alexander
2 Modeling a “Simple” CME from its Eruption to its Interplanetary Propagation out past Earth: The May 13, 2005 Event
Arge
3 Campaign Event 5-14 December 2006
Mulligan / Hu
GEM-SHINE: Perpendicular ion Heating
Chandran / Lysak
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<td>12:00</td>
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