

# SHINE 2010

## Workshop Program

### Monday, July 26 (chair: Mark Popecki)

7:00	Breakfast	
8:30	Opening Remarks	<i>Cohen/Roussev</i>
8:45	Description of Working Group (WG) Sessions	<i>WG Leaders</i>
11:15	Coffee Break	
11:45	NSF Report	<i>Paul Bellaire</i>
12:00	Invited Paper 1: Probing the Heliosheath with Voyagers 1/2 and with ENA images from IBEX and Cassini/INCA: A Non-Thermal Plasma Interacts with the Interstellar Medium	<i>Ed Roelof</i>
12:45	Lunch Break	
14:00	Working Group Sessions	
	1) New Questions about Energetic Neutral Atoms, Pickup Ions, and Anomalous Cosmic Rays in the Heliosphere	<i>Hill / Dayeh</i>
	2) Differential Emission Measure: Techniques and Implications	<i>Frazin</i>
	3) Progress and Challenges in Modeling a CME from its Eruption to its Interplanetary Propagation out past Earth: The May 13, 2005 Event	<i>Arge</i>
15:15	Coffee Break	
15:45	WG Sessions continue	
17:00	Welcome reception and Posters	
19:00	Adjourn	

### Tuesday, July 27 (chair: Holly Gilbert)

7:00	Breakfast	
8:30	Plenary: Working Group 'Progress and Prospects' Reports	<i>WG Leaders</i>
9:00	Invited Paper 2: Predicting Solar Activity: Where Are We; How Did We Get Here?	<i>Dean Pesnell</i>
9:45	Working Group Sessions	
	1) New Questions about Energetic Neutral Atoms, Pickup Ions, and Anomalous Cosmic Rays in the Heliosphere	<i>Hill / Dayeh</i>
	2) Imbalanced Turbulence in the Solar Wind	<i>Boldyrev / Podesta</i>
	3) Chromospheric Connections to the Heliosphere	<i>McIntosh / De Pontieu</i>
11:00	Coffee Break	
11:30	WG Sessions continue	
12:45	Lunch Break	
14:00	Working Group Sessions	
	1) New Questions about Energetic Neutral Atoms, Pickup Ions, and Anomalous Cosmic Rays in the Heliosphere	<i>Hill / Dayeh</i>
	2) When and How is Reconnection in the Solar Environment Turbulent?	<i>Intrator / Borovsky / Lapenta</i>
	3) Physics-based "All Clear" Forecasting	<i>Fry / Falconer</i>
15:15	Coffee Break	
15:45	WG Sessions continue	
17:00	Poster Session with refreshments	
19:00	Adjourn	

**Wednesday, July 28 (chair: Jim Ryan)**

7:00	Breakfast	
8:30	Plenary: Working Group 'Progress and Prospects' Reports	<i>WG Leaders</i>
9:20	Decadal Survey Report	<i>Dick Mewaldt</i>
9:40	ACCEHS Workshop / Eddy Symposium	<i>Phil Judge</i>
10:00	Working Group Sessions	
	1) How Much do Solar Flares Contribute to Large SEP Events at Earth?	<i>Desai / Haggerty</i>
	2) When and How is Reconnection in the Solar Environment Turbulent?	<i>Intrator / Borovsky / Lapenta</i>
	3) Magnetic Data as Drivers of Coronal Models: the Good, the Bad, and the Ugly	<i>Arge / Henney</i>
11:15	Coffee Break	
11:45	WG Sessions continue	
1:00	Lunch, free afternoon	
18:30	Steering Committee, WG+Student Leaders, Agency Rep Dinner	

**Thursday, July 29 (chair: Chuck Smith)**

7:00	Breakfast	
8:30	Plenary: Working Group 'Progress and Prospects' Reports	<i>WG Leaders</i>
9:00	Invited Paper 4: The Dynamics of the Sun-Heliosphere Connection	<i>Spiro Antiochos</i>
9:45	Working Group Sessions	
	1) Understanding and Predicting the Solar Cycle	<i>Strong / Saba</i>
	2) Pinning Down The Physical Processes that Generate the Solar Wind	<i>Chandran / Edmondson</i>
	3) SDO Data Analysis How-To	<i>DeRosa</i>
11:00	Coffee Break	
11:30	WG Sessions continue	
12:45	Lunch Break	
14:00	Working Group Sessions	
	1) Understanding and Predicting the Solar Cycle	<i>Strong / Saba</i>
	2) The Nature of Coronal Mass Ejections: Heliospheric Properties and Relation to In-Situ Properties	<i>Lugaz / Jian</i>
	3) Connecting Solar and Heliospheric Physics during the Protracted Solar Minimum	<i>Smith / Burkepile</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, July 30 (chair: Ben Chandran)**

7:00	Breakfast	
8:30	Plenary: Working Group 'Progress and Prospects' Reports	<i>WG Leaders</i>
9:10	Working Group Sessions	
	1) Extended Duration High-Energy Flares and GLEs	<i>Cane / White</i>
	2) Connecting Solar and Heliospheric Physics during the Protracted Solar Minimum	<i>Smith / Burkepile</i>
10:30	Coffee Break	
11:00	WG Sessions continue	
12:00	Final Remarks, Discussion of Next Year's Workshop	<i>Cohen/Roussev</i>
12:30	Workshop Adjourns	