

PROM Workshop 2007
**(Prominence Research: Observations and
Models)**

*October 29-30, Space Sciences Laboratory,
University of California, Berkeley*

Science program

Monday, 29 October

<i>Morning Chair: Sara Martin</i>		
9:00	Prominences in 3D: Movies from SECCHI/EUVI	Paulett Liewer Jet Propulsion Laboratory, STEREO team
9:30	The Formation of Three Filament Channels and Filaments	Karin Muglach Naval Research Laboratory
10:00	Magnetogram Evolution Near Neutral Lines	Brian Welsch UC Berkeley
10:30	Break - Tea, Coffee and Snacks	
11:00	Numerical Studies of Flux Cancellation	Judy Karpen Naval Research Laboratory
11:30	Observational Evidence for Cross-Field Diffusion of Neutral Filament Material	Holly Gilbert Rice University
12:00	Energy Dissipation in Collisionless Plasmas	George Parks UC Berkeley
12:30	Lunch break	

Monday, 29 October

<i>Afternoon Chair: Terry Forbes</i>		
1:30	Direct evidence of the emergence of the helical flux rope under an active-region prominence	Joten Okamoto NAO Hinode Science Center
2:00	New Hinode Observations of Quiescent and Active Region Prominences	Tom Berger Lockheed Solar and Astrophysics Laboratory
2:30	Why Current-Carrying Magnetic Flux Tubes Gobble up Plasma and Become Thin as a Result - Model and Supporting Lab Experiments	Paul Bellan Caltech
3:15	Afternoon break and refreshments	
3:30	The Enigmatic Threads of Filaments -- What Can be Inferred from Current Observations?	Oddbjorn Engvold University of Oslo
4:00	Discussion on Filament Threads	Everyone
4:30	Magnetic Models: Where are we?	Jack Zirker former director NSO/Sacramento Peak
5:00	Illusive Illusions in the Dynamics of Filaments	Sara Martin Helio Research
5:30	Discussion	
6:00	Adjourn (Dinner at 7:00 pm - location to be announced)	

Tuesday, 30 October

<i>Morning Chair: : Brian Welsch</i>		
8:30	Association of an Erupting Filament and Neighboring Flare (to be present by Sara Martin)	K. S. (Bala) Balasubramaniam NSO/Sacramento Peak Obs.
8:45	High Resolution Solar Observations Using Commercial Filters and Small Aperture Telescopes	Pat Stoker Southern Calif. Amateur Astronomer
9:15	Progress on Ground-based Dual Beam H-alpha Doppler System at Udaipur Solar Observatory	Nandita Srivastava Udaipur Solar Observatory
9:45	Small-Scale Magnetic Fields at High Latitude on the Sun, Their Relation to Filaments and Prominences Observed in H-alpha and He II	Elena Benevolenskaya Stanford University
10:15	Techniques for 3d Reconstruction of CME Leading Edge	Nandita Srivastava Udaipur Solar Observatory
10:45	Break - Tea, Coffee and Snacks	
11:00	<i>Talking point presentation:</i> Questions Concerning the Disconnection and Eruption of Filaments and CMEs	Therese Kucera Goddard Space Flight Center
11:30	The Magnetic Connectivity for Quiescent Filaments Over Neighbouring Neutral Lines	Yan Li and B. J. Lynch UC Berkeley SSL
12:00	Observations of the Merging of two Quiescent Filaments	Kasia Mikurda Prairie View Solar Observatory, TX
12:30	Sheared-Field Prominences and the Eruptive Implications of Magnetic Topology	Ben Lynch, Y. Li, and J.G. Luhmann Berkeley SSL
1:00	Lunch break	

Tuesday, 30 October

<i>Afternoon Chair: Oddbjorn Engvold</i>		
2:00	The Role of Magnetic Reconnection in Prominence Eruptions (seminar - down the hill)	Terry G. Forbes University of New Hampshire
3:00	Afternoon break and refreshments	
4:00	Newly Recognized Cases of the Roll Effect in Solar Prominences	Olya Panasenco Helio Research
4:30	Modeling the Large Scale Corona: Reproducing the Hemispheric Pattern of Filaments	Duncan Mackay and Anthony Yeates University of St. Andrews
5:00	Helicity in Solar Prominences	Alex Pevtsov NASA Hq. and NSO/Sacramento Peak Obs.
5:30	A Concept of Coronal Mass Ejections and their Origin	Sara Martin Helio Research
6:00	Adjourn Workshop	