

Day	time	room	speaker	title
Sun. Jul-7	3-6pm	EPS 258		SPD Committee meeting
	5:00			Student Reception
	6:00	Romney Lawn		Welcome Reception
Mon. Jul-8	8:30	Ballroom A		Welcome
	8:45		Pres. Waded Cruzado	information
	8:50	Ballroom A		LOC
	8:50			<b>Corona</b>
	8:50		Dana Longcope	
	9:05		Spiro Antiochos	Helicity Condensation as the Origin of Coronal and Solar Wind Structure
	9:05		George Fisher	The Coronal Global Evolutionary Model (CGEM)
	9:20		Paulett Liewer	Analysis of the Deflection of CMEs by Coronal Magnetic Fields
	9:35		Petrus Martens	Filament Chirality over an Entire Cycle Determined with an Automated Detection Module -- a Neat Surprise!
	9:50	Ballrooms B/D		<b>COFFEE BREAK</b>
	10:15	Ballroom A		<b>Hale Prize lecture</b>
	10:15		Richard Canfield	Twisting and Writhing with George Ellery Hale
	11:15	Ballroom A		<b>Eruptions</b>
	11:15		Eric Priest	
	11:15		Edward DeLuca	An MHD Model of a Solar Eruption Starting from NLFFF Initial Conditions (Withdrawn)
	11:30		Yuhong Fan	Formation of hot channels in pre-CME coronal flux ropes and their role in the onset of eruptions
	11:45		Ryun Young Kwon	Fast Magnetosonic Waves and Global Coronal Seismology in the Extended Solar Corona
	12:00		Ronald Moore	Magnetic Untwisting in Most Solar X-Ray Jets
	12:15	(On your own)		Lunch
	13:30	Ballroom A		<b>Waves</b>
	13:30		Kathy Reeves	
	13:30		Rebekah Evans	Coronal Mass Ejection Plasma Heating by Alfvén Wave Dissipation
	13:45		Haimin Wang	Observation of a Moreton Wave and Wave-Filament Interactions Using Digitized Film Data at BBSO
	14:00		Therese Kucera	Propagating Waves Transverse to the Magnetic Field in a Solar Prominence
	14:15		Leon Ofman	Modeling coronal loop oscillations in realistic magnetic and density structures
	14:30		Vadim Uritsky	Slow mode waves and quasi-periodic upflows in the multi-temperature solar corona as seen by the SDO
	14:45	Ballrooms B/D		<b>POSTER session</b>
16:15	Ballroom A		<b>Low Atmosphere</b>	
16:15		Phil Judge		
16:15		Adrian Daw	First Results from the EUNIS 2013 Sounding Rocket Campaign	
16:30		Michael Kirk	Deconstructing Chromospheric Flares and Associated Ephemeral Brightenings	
16:45		Karin Muglach	Transient Brightenings Along Filament Channels as Observed with SDO/AIA and HMI	
17:00		Zhi Xu	Chromospheric magnetic field of an active region filament using the He I triplet and the primary observation of filament:	
17:15			Adjourn	
19:00	Emerson Cultural Center Auditorium		PUBLIC LECTURE	Emerson Cultural Center
			Tom Berger	

Tues. Jul-9	8:30 Ballroom A	<b>Flares &amp; Heating</b>	<b>K. S. Balasubramaniam</b>	
	8:30	oral	Jonathan Cirtain	Evidence for the release of magnetic free energy using Hi-C observations
	8:45	oral	Michael Bareford	Shock heating in the solar corona
	9:00	oral	Wenjuan Liu	Determining Heating Rates in Reconnection Formed Flare Loops
	9:15	oral	Lindsay Glesener	Results from the first flight of the Focusing Optics X-ray Solar Imager (FOXSI) sounding rocket
	9:30	oral	Ying Li	Heating and Dynamics of Two Flare Loop Systems Observed by AIA and EIS
	9:45	oral	James Klimchuk	Where is Coronal Plasma Heated?
	10:00 Ballrooms B/D	<b>COFFEE BREAK</b>		
	10:30 Ballroom A	<b>Loops &amp; More</b>	<b>Jim Klimchuk</b>	
	10:30	oral	Natasha Jeffrey	Temporal Variations of X-Ray Solar Flare Loops: Length, Corpulence, Position, Temperature, Plasma Pressure, and Spectra
	10:45	oral	Walter Gekelman	Chaos in Magnetic Flux Ropes
	11:00	oral	Xudong Sun	Hot Spine Loops and the Nature of a Late-Phase Solar Flare
	11:15	oral	Markus Aschwanden	Nonlinear Force-Free Magnetic Fields of Active Regions based on automated loop tracing in AIA/SDO images with
	11:30	oral	Anna Malanushenko	On Cross-Sectional Properties of Coronal Loops
	11:45	oral	Joseph Plowman	Temperature, Density, and Heating Profiles of Coronal Loops
	12:00	oral	Alexander Saltman	New Suborbital Flight Opportunities and Funding
	12:15 Boxes available	Lunch		
	12:35 Ballroom A	Agency town hall		
	13:45 Ballroom A	<b>Fields &amp; Instabilities</b>	<b>Silvina Guidoni</b>	
	13:45	oral	Clayton Myers	Line-Tied Magnetic Flux Ropes in the Laboratory: Equilibrium Force Balance and Eruptive Instabilities
	14:00	oral	Yingna Su	Structure and Dynamics of the Polar Crown Prominence that Erupted on 2012 March 12
	14:15	oral	Stephen Bradshaw	The physical consequences of under-resolution for N-dimensional models of the solar atmosphere.
	14:30	oral	Sophie Masson	The Effects of Solar Eruption Dynamics on Particle Escape
	14:45	oral	Judge Philip	Magnetic field measurements in and above a limb active region
	15:00 Ballrooms B/D	<b>POSTER session</b>		
	16:30 Ballroom A	<b>Surface &amp; Below</b>	<b>Guiliana de Toma</b>	
	16:30	oral	Fraser Watson	A Systematic Look At Sunspots From Space: 1996 - 2013
	16:45	oral	Junwei Zhao	Solar Interior Meridional Flow from SDO/HMI
	17:00	oral	Maria Weber	The Active Longitude Phenomenon and its Possible Convective Origin
	17:15	Adjourn		
	19:00 Ballroom A	SPD Business meeting		

Wed. Jul-10	8:30	Ballroom A	<b>CMEs</b>	<b>Paulett Liewer</b>	
	8:30		oral	N. Gopalswamy	Connecting Near-Sun CME flux Ropes to the 1-AU Flux Ropes using the Flare-CME Relationship
	8:45		oral	Jason Kooi	Measurements of Faraday Rotation through the Solar Corona at 4.6 Solar Radii
	9:00		oral	Vemareddy Panditi	Helicity injection by flux motions and its role in flare and CMEs
	9:15		oral	Antonia Savcheva	The Evolution of Sigmoidal Active Regions
	9:30	Ballrooms B/D	<b>COFFEE BREAK</b>		
	10:00	Ballroom A	<b>Harvey Prize lecture</b>	<b>Tibor Torok</b>	Modeling Solar Eruptions: Where Do We stand?
	11:00	Ballroom A	<b>B-Fields</b>	<b>Graham Barnes</b>	
	11:00		oral	Sabrina Savage	High Resolution EUV Source Contributions to High Temperature Active Region Dynamics as Observed by the Hi-C Sounder
	11:15		oral	Lucas Tarr	Multi-Instrument Estimation Of The Non-Flaring Heating And Reconnection Rates Of Emerging Active Region NOAA AR 11158
	11:30		oral	Keiji Hayashi	A data-driven time-dependent three-dimensional MHD simulation of solar active regions with HMI vector magnetic field
	11:45		oral	Karen Meyer	A Non-Linear Force-Free Field Model for the Solar Magnetic Carpet
	12:00	(On your own)	Lunch		
	12:20	Ballroom A	Lunch talk	Cheng Fang	Recent Development of Solar Observational Facilities in China
	13:30	Ballroom A	<b>Flares</b>	<b>George Fisher</b>	
	13:30		oral	George Doschek	Turbulence in the Flare Reconnection Region
	13:45		oral	Roger Scott	Peristaltic Pumping near Post-CME Supra-Arcade Current Sheets
	14:00		oral	Sean Brannon	Modeling Properties Of Chromospheric Evaporation Driven By Thermal Conduction Fronts From Reconnection Shocks
	14:15		oral	Kathy Reeves	Thermal Structure of Supra-arcade Downflows and Flare Plasma Sheets
	14:30		oral	Jiong Qiu	Magnetic Reconnection: How Does It Have to Do With Magnetic Flux Ropes?
	14:45		oral	Shuo Wang	A Comprehensive Study of the Photospheric Magnetic Field Change Associated with Solar Flares
	15:00	Ballrooms B/D	<b>POSTER session</b>		
	16:30	Ballroom A	<b>Quodlibet</b>	<b>Tom Berger</b>	
	16:30		oral	Mahboubeh Asgari-Targhi	The Spatial and Temporal Dependence of Coronal Heating by Alfvén Wave Turbulence
	16:45		oral	Ignacio Ugarte-Urra	Heating Frequency in the core of Active Regions
	17:00		oral	Cooper Downs	Probing the Solar Magnetic Field With a Sun-Grazing Comet
	17:15		oral	Jon Linker	Coronal Modeling and Synchronic Maps
	17:30		Adjourn		
	18:30		SPD Banquet	Rockin' TJ Ranch	

Thurs. Jul-11	8:30	Ballroom A	<b>ATST science</b>	Mattias Rempel	
	8:30		oral	Joseph McMullin	The Advanced Technology Solar Telescope Construction Status Report
	8:45		oral	Thomas Berger	The ATST Instrumentation suite: capabilities, synergies, and science goals
	9:00		oral	Kevin Reardon	Enabling Science with the ATST Data Stream
	9:15		oral	Alexandra Tritschler	The ATST : Conceptual Strategies for Efficient Operations
	9:30		oral	Mark Rast	Implications of high-resolution ATST observations for global dynamo and irradiance models
	9:45		oral	Wenda Cao	The New Solar Telescope (NST): What's Next ?
	10:00	Ballrooms B/D	<b>POSTER session + tear-down</b>		
	10:50	Ballroom A	<b>ATST Science</b>	Mark Rast	
	10:50		oral	Matthew Penn	Coronal science with the ATST
	11:05		oral	Lyndsay Fletcher	Flare Science with the ATST
11:20		oral	Matthias Rempel	Magnetoconvection models and what we need the ATST to tell us	
11:35		oral	Jacques Beckers	Planning the 8-meter Chinese Giant Solar Telescope	
11:50	(On your own)	Lunch			
EPS 103	13:30	EPS 103	<b>Flare particles</b>	Lyndsay Fletcher	
	13:30		oral	Albert Shih	Relativistic-Electron-Dominated Solar Flares Observed by Fermi/GBM
	13:45		oral	Alice Allafort	Fermi LAT High Energy Gamma-Ray Observations of Solar Flares
	14:00		oral	Hazel Bain	Radio imaging spectroscopy of synchrotron emission associated with a CME on the 14th of August 2010
	14:15		oral	Sam Krucker	Densities within the Acceleration Region of a Solar Flare
	14:30		oral	Jianxia Cheng	Solar Flare Hard X-ray Spikes Observed by RHESSI: a Statistical Study
	14:45		oral	Stephen White	The detection of a bright 30 THz impulsive solar burst
	15:00	EPS atrium	<b>COFFEE BREAK</b>		
	15:30	EPS 103	<b>Flare particles</b>	Stephen White	
	15:30		oral	Fatima Rubio Da Costa	A new approach to model particle acceleration and energy transfer in solar flares
	15:45		oral	Vahe Petrosian	Non-parametric Determination of the Acceleration Mechanisms Directly From RHESSI Solar Flare Observations
	16:00		oral	Jeongwoo Lee	A Test for Coronal Thick Target Hard X-ray Emissions Using Microwave Spectrum
	16:15		oral	Na Deng	High-Cadence and High-Resolution H $\alpha$ Imaging Spectroscopy of a Circular Flare's Remote Ribbon with IBIS
	16:30		oral	Bin Chen	Radio and X-ray Diagnostics of Energy Release in Solar Flares
16:45		Adjourn			
Reid 108	13:30	Reid 108	<b>Solar interior</b>	Petrus Martens	
	13:30		oral	Lisa Upton	Defining the Polar Field Reversal
	13:45		oral	Andres Munoz-Jaramillo	Solar Cycle Propagation, Memory, and Prediction: Insights from a Century of Magnetic Proxies
	14:00		oral	Valery Pipin	Effects of Double-Cell Meridional Circulation on the Solar Dynamo and Activity Cycles
	14:15		oral	Dibyendu Nandi	Can Flux Transport Solar Dynamo Models Function with a Shallow Meridional Flow?
	14:30		oral	Soumitra Hazra	EXPLORING SOLAR GRAND MINIMA THROUGH A TIME DELAY DYNAMO MODEL
	14:45		oral	Neal Hurlburt	Illusions in solar photosphere
	15:00	Reid Hall	<b>COFFEE BREAK</b>		
	15:30	Reid 108	<b>Solar interior</b>	Neal Hurlburt	
	15:30		oral	Paul Higgins	Measuring the Diffusion of Solar Magnetic Flux on Large Spatio-Temporal Scales
	15:45		oral	Graham Barnes	A Search for Pre-Emergence Helioseismic Signatures of Active Regions
16:00		oral	Raymond Burston	Travel-time sensitivity kernels for sound speed, density, and pressure	
16:15		oral	Sushanta Tripathy	Validating the Ring-diagram Flows through Numerical Simulations	
16:30		Adjourn			

E-posters	Ballroom D	Concurrent with paper posters
Mon. Jul-8	14:45	Chair
EP1	14:45 15:15 15:45	Alisdair Davey Tyler Behm Aparna V Joseph Hourcle
		Solar Differential Rotation in Calcium II K Line Spectra Supported with Spectroheliogram Analysis Footpoint detection and mass-motion in chromospheric filaments Spatial Searching for Solar Physics Data
EP2	14:45 15:15 15:45	Joseph Gurman Wei Liu Sarah Gibson
		The Virtual Solar Observatory: What Needs Fixing Quasi-periodic Fast-mode Magnetosonic Wave Trains Inside and Outside CME Bubbles Detected by SDO/AIA FORWARD Codes: Now with Widget!
EP3	14:45 15:15 15:45	Ana Cadavid Nishu Karna James Leake
		Non-steady, Intermittent, Hot Loops in an Active Region Observed with the SDO/AIA The study of the cavity's morphology, density, thermal and magnetic properties from the SDO observations The Initiation of Coronal Mass Ejections (CMEs) by Dynamical Magnetic Flux Emergence
EP4	14:45 15:15 15:45	Henry Winter Maria Kazachenko Judith Karpen
		Simulating Emission of Coronal Loops with Non-Constant Cross-Section Estimating active region luminosity using EVE/SDO observations Modeling Reconnection-Driven Solar Polar Jets with Gravity and Wind
Tues. Jul. 9	15:00	Chair
EP1	15:00 15:30 16:00	Jack Ireland Wei Liu C. DeVore Jay Pasachoff
		Funnel Prominences as Return Flows of the Chromosphere-Corona Mass Cycle: SDO/AIA Observations of Coronal Conde Prominence Fine Structure due to Magnetized Rayleigh-Taylor Instability The 2012 Total Eclipse Expeditions in Queensland
EP2	15:00 15:30 16:00	Angela Des Jardins Alisdair Davey Emily Kellagher
		National Student Solar Spectrograph Competition Overview and Results The Eclipse Megamovie Project EPO for the NASA SDO Extreme Ultraviolet Variability Experiment (EVE) Learning Suite for Educators
EP3	15:00 15:30 16:00	Steven Christe Aki Takeda Juan Carlos Martinez Oliveros
		The Focusing Optics X-ray Solar Imager (FOXSI) sounding rocket, first flight. On the Chromospheric Evaporation Observed during an X1.4 Flare of 12-July, 2012 White-light and Hard X-ray source heights of the SOL2011-01-28T00:24 solar flare
EP4	15:00 15:30 16:00	Silvina Guidoni Andrew Inglis Keiji Yoshimura
		Are Flare Quasi-periodic Pulsations Signatures of Intermittent Reconnection? Hard X-ray and ultraviolet emission during the 2011 June 7 solar flare Calibration of Hinode/XRT for Coalignment II: Comparison of Three Different Methods
Wed. Jul. 10	15:00	Chair
EP1	15:00 15:30 16:00	Henry Winter Wei Liu Derek Lamb Seiji Yashiro
		Evidence of Particle Acceleration and Plasma Heating in Magnetic Reconnection Outflows in an Eruptive Solar Flare Update on SWAMIS Emerging Flux Detection and Magnetic Feature Tracking for SDO/HMI An Automatic Detection Technique for Prominence Eruptions and Surges using SDO/AIA Images
EP2	15:00 15:30 16:00	Glenn Laurent Chris Lowder Luca Bertello
		Status of RAISE, the Rapid Acquisition Imaging Spectrograph Experiment Connecting Global EUV Coronal Hole Measurements and Open Magnetic Field Boundaries Synoptic Magnetic Variance Maps and Their Effects on Field-extrapolation Coronal Models
EP3	15:00 15:30 16:00	J. Harvey Sanjay Gusain Vemareddy Panditi
		New Synoptic Measurements of Umbral Magnetic Fields First Synoptic Maps of Photospheric Vector Magnetic Field from SOLIS/VSM: Non-radial Magnetic Fields and Hemispheri On the Role of Rotating Sunspots in the Activity of Solar Active Region NOAA 11158
EP4	15:00 15:30 16:00	Martin Fivian Tim Howard Craig DeForest
		Photospheric Temperature Variations near the Solar Limb II Remotely Measuring Features in the Solar Wind Using Polarimetry STEREO/SECCHI Level 2 Heliospheric Data: Status and Availability
Thurs. Jul. 11	10:00	Chair
EP1	10:00 10:25	David McKenzie Sachiko Akiyama
		Solar Sources of Wide Coronal Mass Ejections during the Ascending Phase of Cycle 24
EP2	10:00 10:25	Hong Xie
		Effect of CME interactions on SEP intensity: modeling the 2012-March-07 SEP event with ENLIL
EP3	10:00 10:25	Soojeong Jang
		Comparison of the WSA-ENLIL model with three CME cone types
EP4	10:00 10:25	