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## Presentation Search Results

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Presentation		Session
<input type="checkbox"/> <b>303.02 - A 3D Two-Temperature Solar Wind Model with Alfvén Wave Heating</b>	<b>Bart Van Der Holst</b> <sup>1</sup> , W. B. Manchester <sup>1</sup> <i><sup>1</sup>University of Michigan.</i>	<b>SPD Oral Session</b> 303. Solar Wind and the Heliosphere Monday, May 24, 2010 2:00 - 3:00 PM
<input type="checkbox"/> <b>317.01 - A Spherical Harmonic Analysis of the Evolution of the Photospheric Magnetic Field, and Consequences for the Solar Dynamo</b>	<b>Marc L. DeRosa</b> <sup>1</sup> , J. T. Hoeksema <sup>2</sup> , A. S. Brun <sup>3</sup> <i><sup>1</sup>Lockheed Martin, <sup>2</sup>Stanford University, <sup>3</sup>CEA-CNRS-Université Paris, France.</i>	<b>SPD Oral Session</b> 317. Solar Magnetism and the Activity Cycle Wednesday, May 26, 2010 4:00 - 5:30 PM
<input type="checkbox"/> <b>306.04D - A Timing</b>	<b>Linghua Wang</b> <sup>1</sup>	<b>SPD Oral Session</b>

<b><u>Study Of Impulsive Solar Energetic Particle Events</u></b>	<i><sup>1</sup>SSL &amp; Univ. of California, Berkeley.</i>	<u>306. Solar Amuse Bouche</u> <u>Tuesday, May 25,</u> <u>2010 8:30 - 9:30 AM</u>
<input type="checkbox"/> <b><u>319.01 - Acoustic Oscillations During the Extended Solar Minimum</u></b>	<b>Sushanta Tripathy<sup>1</sup></b> , K. Jain <sup>1</sup> , F. Hill <sup>1</sup> <i><sup>1</sup>National Solar Observatory.</i>	<b><u>SPD Oral Session</u></b> <u>319. Solar Interior &amp; Structure,</u> <u>Asteroseismology</u> <u>Thursday, May 27,</u> <u>2010 10:30 AM -</u> <u>12:00 PM</u>
<input type="checkbox"/> <b><u>308.03 - AIA on SDO</u></b>	<b>Alan M. Title<sup>1</sup></b> <i><sup>1</sup>Lockheed Martin.</i>	<b><u>SPD Oral Session</u></b> <u>308. Solar Dynamics</u> <u>Observatory - First</u> <u>Results</u> <u>Tuesday, May 25,</u> <u>2010 2:00 - 3:30 PM</u>
<input type="checkbox"/> <b><u>300.02 - An Argument for Two Coronal Heating Models</u></b>	<b>Amy R. Winebarger<sup>1</sup></b> , H. P. Warren <sup>2</sup> , D. H. Brooks <sup>2</sup> , I. Ugarte-Urra <sup>2</sup> <i><sup>1</sup>Alabama A&amp;M Univ.,</i> <i><sup>2</sup>Naval Research Laboratory.</i>	<b><u>SPD Oral Session</u></b> <u>300. Coronal Loops</u> <u>Monday, May 24,</u> <u>2010 8:30 - 9:45 AM</u>
<input type="checkbox"/> <b><u>303.01 - An MHD Model with Wave Turbulence Driven Heating and Solar Wind Acceleration</u></b>	<b>Roberto Lionello<sup>1</sup></b> , J. A. Linker <sup>1</sup> , Z. Mikic <sup>1</sup> , P. Riley <sup>1</sup> , M. Velli <sup>2</sup> <i><sup>1</sup>Predictive Science Incorporated,</i> <i><sup>2</sup>Jet Propulsion Laboratory.</i>	<b><u>SPD Oral Session</u></b> <u>303. Solar Wind and</u> <u>the Heliosphere</u> <u>Monday, May 24,</u> <u>2010 2:00 - 3:00 PM</u>
<input type="checkbox"/> <b><u>306.01 - Bootstrapping the Coronal Magnetic Field with STEREO</u></b>	<b>Markus J. Aschwanden<sup>1</sup></b> <i><sup>1</sup>Lockheed Martin ATC.</i>	<b><u>SPD Oral Session</u></b> <u>306. Solar Amuse</u> <u>Bouche</u> <u>Tuesday, May 25,</u> <u>2010 8:30 - 9:30 AM</u>
<input type="checkbox"/> <b><u>306.00C - Chair</u></b>	<b>J. Todd Hoeksema<sup>1</sup></b> <i><sup>1</sup>Stanford Univ..</i>	<b><u>SPD Oral Session</u></b> <u>306. Solar Amuse</u> <u>Bouche</u>

Tuesday, May 25,  
2010 8:30 - 9:30 AM

<input type="checkbox"/> <b>317.00C - Chair</b>	<b>Alexei A. Pevtsov<sup>1</sup></b> <i><sup>1</sup>National Solar Observatory.</i>	<b>SPD Oral Session</b> 317. Solar Magnetism and the Activity Cycle Wednesday, May 26, 2010 4:00 - 5:30 PM
<input type="checkbox"/> <b>320.00C - Chair</b>	<b>Robert P. Lin<sup>1</sup></b> <i><sup>1</sup>UC, Berkeley.</i>	<b>SPD Oral Session</b> 320. Solar Flares Thursday, May 27, 2010 1:00 - 2:30 PM
<input type="checkbox"/> <b>313.00C - Chair</b>	<b>Hugh S. Hudson<sup>1</sup></b> <i><sup>1</sup>UC, Berkeley.</i>	<b>SPD Oral Session</b> 313. Irradiance Wednesday, May 26, 2010 10:30 - 11:45 AM
<input type="checkbox"/> <b>314.00C - Chair</b>	<b>David F. Webb<sup>1</sup></b> <i><sup>1</sup>Boston College.</i>	<b>SPD Oral Session</b> 314. Coronal Mass Ejections Wednesday, May 26, 2010 2:00 - 3:30 PM
<input type="checkbox"/> <b>305.00C - Chair</b>	<b>Bart De Pontieu<sup>1</sup></b> <i><sup>1</sup>Lockheed Martin Solar &amp; Astrophysics Lab.</i>	<b>SPD Oral Session</b> 305. Chromosphere & Transition Region Monday, May 24, 2010 4:00 - 5:30 PM
<input type="checkbox"/> <b>321.00C - Chair</b>	<b>Gordon Dean Holman<sup>1</sup></b> <i><sup>1</sup>NASA's GSFC.</i>	<b>SPD Oral Session</b> 321. Flares & Energetic Particles Thursday, May 27, 2010 3:00 - 4:30 PM
<input type="checkbox"/> <b>302.00C - Chair</b>	<b>Zoran Mikic<sup>1</sup></b> <i><sup>1</sup>Predictive Science, Inc..</i>	<b>SPD Oral Session</b> 302. Coronal Magnetic Fields Monday, May 24, 2010 10:15 - 11:30 AM

<input type="checkbox"/> <b>319.00C - Chair</b>	<b>Jesper Schou</b> <sup>1</sup> <i><sup>1</sup>Stanford Univ..</i>	<b>SPD Oral Session</b> 319. Solar Interior & Structure, Asteroseismology Thursday, May 27, 2010 10:30 AM - 12:00 PM
<input type="checkbox"/> <b>319.02 - Changes in the Strength and Structure of the Sun's Meridional Flow during Cycle 23</b>	<b>David H. Hathaway</b> <sup>1</sup> , L. Rightmire <sup>2</sup> <i><sup>1</sup>NASA/MSFC, <sup>2</sup>University of Memphis.</i>	<b>SPD Oral Session</b> 319. Solar Interior & Structure, Asteroseismology Thursday, May 27, 2010 10:30 AM - 12:00 PM
<input type="checkbox"/> <b>300.00C1 - Co-Chair</b>	<b>Harry Warren</b> <sup>1</sup> <i><sup>1</sup>Naval Research Lab..</i>	<b>SPD Oral Session</b> 300. Coronal Loops Monday, May 24, 2010 8:30 - 9:45 AM
<input type="checkbox"/> <b>300.00C2 - Co-Chair</b>	<b>James A. Klimchuk</b> <sup>1</sup> <i><sup>1</sup>NASA GSFC.</i>	<b>SPD Oral Session</b> 300. Coronal Loops Monday, May 24, 2010 8:30 - 9:45 AM
<input type="checkbox"/> <b>308.00C1 - Co-Chair</b>	<b>W. Dean Pesnell</b> <sup>1</sup> <i><sup>1</sup>NASA GSFC.</i>	<b>SPD Oral Session</b> 308. Solar Dynamics Observatory - First Results Tuesday, May 25, 2010 2:00 - 3:30 PM
<input type="checkbox"/> <b>308.00C2 - Co-Chair</b>	<b>Barbara J. Thompson</b> <sup>1</sup> <i><sup>1</sup>NASA's GSFC.</i>	<b>SPD Oral Session</b> 308. Solar Dynamics Observatory - First Results Tuesday, May 25, 2010 2:00 - 3:30 PM
<input type="checkbox"/> <b>300.03 - Comparison of 3D and 1D Coronal Loop Simulations and Their Implied Emissions</b>	<b>Yung Mok</b> <sup>1</sup> , R. Lionello <sup>2</sup> , Z. Mikic <sup>2</sup> , J. Linker <sup>2</sup> <i><sup>1</sup>Univ. of California,</i>	<b>SPD Oral Session</b> 300. Coronal Loops Monday, May 24, 2010 8:30 - 9:45 AM

*Irvine, <sup>2</sup>Predictive  
Science, Inc..*

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| <input type="checkbox"/> <b>317.02 - Comparisons of Photospheric Convection Cell Characteristics During the Solar Minima of Cycles 22-23 and 23-24</b> | <b>Peter E. Williams<sup>1</sup></b> , W. D. Pesnell <sup>1</sup><br><i><sup>1</sup>NASA/GSFC.</i>  | <b>SPD Oral Session</b><br>317. Solar Magnetism and the Activity Cycle<br>Wednesday, May 26, 2010 4:00 - 5:30 PM   |
| <input type="checkbox"/> <b>308.04 - Computer Vision for SDO: First Results from the SDO Feature Finding Algorithms</b>                                | <b>Petrus C. Martens<sup>1</sup></b> , G. Attrill <sup>2</sup> , A. Davey <sup>2</sup> , A. Engell <sup>2</sup> , S. Farid <sup>2</sup> , P. Grigis <sup>2</sup> , J. Kasper <sup>2</sup> , K. Korreck <sup>2</sup> , S. Saar <sup>2</sup> , Y. Su <sup>2</sup> , P. Testa <sup>2</sup> , M. Wills-Davey <sup>2</sup> , P. Bernasconi <sup>3</sup> , N. Raouafi <sup>3</sup> , M. Georgoulis <sup>4</sup> , C. Deforest <sup>5</sup> , J. Peterson <sup>5</sup> , T. Berghoff <sup>6</sup> , V. Delouille <sup>6</sup> , J. Hochedez <sup>6</sup> , B. Mampaey <sup>6</sup> , C. Verbeek <sup>6</sup> , J. Cirtain <sup>7</sup> , S. Green <sup>8</sup> , R. Timmons <sup>8</sup> , A. Savcheva <sup>9</sup> , R. Angryk <sup>10</sup> , T. Wiegelmann <sup>11</sup> , R. McAteer <sup>12</sup><br><i><sup>1</sup>Department of Physics, Montana State University, <sup>2</sup>Smithsonian Astrophysical Observatory, <sup>3</sup>Applied Physics Lab, Johns Hopkins University, <sup>4</sup>Academy of Athens, Greece, <sup>5</sup>Southwest Research Institute,</i> | <b>SPD Oral Session</b><br>308. Solar Dynamics Observatory - First Results<br>Tuesday, May 25, 2010 2:00 - 3:30 PM |

<sup>6</sup>Royal Observatory of Belgium, Belgium,  
<sup>7</sup>NASA Marshall Space Flight Center,  
<sup>8</sup>Lockheed-Martin Solar and Astrophysics Laboratory, <sup>9</sup>Boston University,  
<sup>10</sup>Department of Computer Science, Montana State University, <sup>11</sup>Max Planck Institut fuer Sonnensystemforschung, Germany, <sup>12</sup>School of Physics, Trinity College Dublin, Ireland.

<input type="checkbox"/> <b>321.04 - Consequences of Nonthermal Particle Distributions in the Nanoflare Heating Model</b>	<b>Henry D. Winter, III<sup>1</sup></b> <sup>1</sup> SAO.	<b>SPD Oral Session</b> 321. Flares & Energetic Particles Thursday, May 27, 2010 3:00 - 4:30 PM
<input type="checkbox"/> <b>313.03 - Cool Star Photometry: Insight Into Temporal and Spatial Activity Variation</b>	<b>Steven H. Saar<sup>1</sup></b> <sup>1</sup> Harvard-Smithsonian, CfA.	<b>SPD Oral Session</b> 313. Irradiance Wednesday, May 26, 2010 10:30 - 11:45 AM
<input type="checkbox"/> <b>320.02 - Deflation of Coronal Loops in Solar Eruptions</b>	<b>Rui Liu<sup>1</sup>, H. Wang<sup>1</sup></b> <sup>1</sup> New Jersey Institute of Technology.	<b>SPD Oral Session</b> 320. Solar Flares Thursday, May 27, 2010 1:00 - 2:30 PM
<input type="checkbox"/> <b>305.03 - Delving into the Chromosphere: New Observational Tools</b>	<b>Kevin P. Reardon<sup>1</sup>, G. Cauzzi<sup>1</sup>, A. Tritschler<sup>2</sup>, H. Uitenbroek<sup>2</sup></b> <sup>1</sup> INAF / Arcetri Astrophysical Observatory, Italy,	<b>SPD Oral Session</b> 305. Chromosphere & Transition Region Monday, May 24, 2010 4:00 - 5:30 PM

<sup>2</sup>*National Solar  
Observatory.*

**300.01D -  
Determining the  
Temperature  
Structure of Solar  
Coronal Loops using  
their Temporal  
Evolution**

**Fana Mulu**<sup>1</sup>, A. R.  
Winebarger<sup>1</sup>, H. P.  
Warren<sup>2</sup>, M. J.  
Aschwanden<sup>3</sup>, J. A.  
Klimchuk<sup>4</sup>  
<sup>1</sup>*Alabama A& M  
University,* <sup>2</sup>*Naval  
Research Laboratory,*  
<sup>3</sup>*Lockheed Martin,  
Advanced Technology  
Center Solar &  
Astrophysics Lab,*  
<sup>4</sup>*Goddard Space Flight  
Center.*

**SPD Oral Session**  
300. Coronal Loops  
Monday, May 24,  
2010 8:30 - 9:45 AM

**308.05 - Developing  
Physics-Based  
Procedures for Local  
Helioseismic Probing  
of Sunspots and  
Magnetic Regions**

**Aaron Birch**<sup>1</sup>, D. C.  
Braun<sup>1</sup>, A. Crouch<sup>1</sup>, M.  
Rempel<sup>2</sup>, Y. Fan<sup>2</sup>, R.  
Centeno<sup>2</sup>, J. Toomre<sup>3</sup>,  
D. Haber<sup>3</sup>, B. Hindman<sup>3</sup>,  
N. Featherstone<sup>3</sup>, T.  
Duvall, Jr.<sup>4</sup>, J.  
Jackiewicz<sup>5</sup>, M.  
Thompson<sup>6</sup>, R. Stein<sup>7</sup>, L.  
Gizon<sup>8</sup>, R. Cameron<sup>8</sup>, Y.  
Saidi<sup>8</sup>, S. Hanasoge<sup>8</sup>, R.  
Burston<sup>8</sup>, H. Schunker<sup>8</sup>,  
H. Moradi<sup>8</sup>  
<sup>1</sup>*NWRA/CoRA Div.,*  
<sup>2</sup>*NCAR, HAO Div.,*  
<sup>3</sup>*University of Colorado,  
JILA,* <sup>4</sup>*NASA, GSFC,*  
<sup>5</sup>*New Mexico State  
University,* <sup>6</sup>*University of  
Sheffield, United*

**SPD Oral Session**  
308. Solar Dynamics  
Observatory - First  
Results  
Tuesday, May 25,  
2010 2:00 - 3:30 PM

Kingdom, <sup>7</sup>Michigan State University, <sup>8</sup>Max-Planck-Institut für Sonnensystemforschung, Germany.

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|---|--|---|
| <input type="checkbox"/> <b>305.07 - Direct Imaging of an Emerging Flux Rope and a Resulting Chromospheric Jet Observed by Hinode</b> | <b>Wei Liu</b> <sup>1</sup> , T. Berger <sup>2</sup> , A. M. Title <sup>2</sup> , T. D. Tarbell <sup>2</sup> , M. DeRosa <sup>2</sup><br><sup>1</sup> Stanford-Lockheed Institute for Space Research, <sup>2</sup> Lockheed Martin Solar and Astrophysics Laboratory, Department ADBS. | <b>SPD Oral Session</b><br>305. Chromosphere & Transition Region<br>Monday, May 24, 2010 4:00 - 5:30 PM |
| <input type="checkbox"/> <b>300.05 - Dynamics of Active Regions: Observations and 3D MHD Modeling</b>                                 | <b>Hardi Peter</b> <sup>1</sup> , S. Bingert <sup>1</sup><br><sup>1</sup> Max Planck Institute for Solar System Research, Germany.   | <b>SPD Oral Session</b><br>300. Coronal Loops<br>Monday, May 24, 2010 8:30 - 9:45 AM                    |
| <input type="checkbox"/> <b>314.06 - Emergence and Eruption of Magnetic Flux Ropes, a Model for Coronal Mass Ejections</b>            | <b>Ward B. Manchester, IV</b> <sup>1</sup> , F. Fang <sup>1</sup> , B. van der Holst <sup>1</sup><br><sup>1</sup> Univ. of Michigan.   | <b>SPD Oral Session</b><br>314. Coronal Mass Ejections<br>Wednesday, May 26, 2010 2:00 - 3:30 PM        |
| <input type="checkbox"/> <b>321.01 - Energetics in Two-ribbon Flares</b>  | <b>Jiong Qiu</b> <sup>1</sup> , W. Liu <sup>1</sup> , N. Hill <sup>2</sup> , M. Kazachenko <sup>1</sup><br><sup>1</sup> Montana State Univ., <sup>2</sup> Grinnell College.  | <b>SPD Oral Session</b><br>321. Flares & Energetic Particles<br>Thursday, May 27, 2010 3:00 - 4:30 PM   |
| <input type="checkbox"/> <b>305.06 - Energy Transfer by Enthalpy in the Solar Atmosphere</b>  | <b>Stephen Bradshaw</b> <sup>1</sup> , P. J. Cargill <sup>2</sup><br><sup>1</sup> NASA Goddard Space Flight Center, <sup>2</sup> Imperial College London, United Kingdom.  | <b>SPD Oral Session</b><br>305. Chromosphere & Transition Region<br>Monday, May 24, 2010 4:00 - 5:30 PM |
| <input type="checkbox"/> <b>314.03D - Evidence</b>  | <b>Claire Raftery</b> <sup>1</sup> , P. T.   | <b>SPD Oral Session</b>   |



<b>For Internal Tether-cutting in a Flare/CME Event.</b>	Gallagher <sup>2</sup> , R. T. J. McAteer <sup>2</sup> , C. H. Lin <sup>2</sup> , G. Delahunt <sup>2</sup> <sup>1</sup> Space Science Lab, UC Berkeley, <sup>2</sup> Trinity College, Ireland.	314. Coronal Mass Ejections Wednesday, May 26, 2010 2:00 - 3:30 PM
<input type="checkbox"/> <b>303.03 - Examining Periodic Solar Wind Density Structures in SECCHI HI1A</b>	Nicholeen Viall <sup>1</sup> , A. Vourlidas <sup>2</sup> , H. Spence <sup>3</sup> , R. Howard <sup>2</sup> <sup>1</sup> NASA Goddard Space Flight Center, <sup>2</sup> Naval Research Laboratory, Solar Physics Branch, <sup>3</sup> University of New Hampshire, Space Science Center.	<b>SPD Oral Session</b> 303. Solar Wind and the Heliosphere Monday, May 24, 2010 2:00 - 3:00 PM
<input type="checkbox"/> <b>313.04 - First Accurate, and Surprising, Observations of Solar Spectral Irradiance by the SIM/SORCE Instrument</b>	Juan Fontenla <sup>1</sup> , J. Harder <sup>1</sup> , T. Woods <sup>1</sup> <sup>1</sup> LASP-Univ. of Colorado Boulder.	<b>SPD Oral Session</b> 313. Irradiance Wednesday, May 26, 2010 10:30 - 11:45 AM
<input type="checkbox"/> <b>308.01 - First Data From the Helioseismic and Magnetic Imager</b>	Jesper Schou <sup>1</sup> , HMI Team <sup>1</sup> Stanford Univ..	<b>SPD Oral Session</b> 308. Solar Dynamics Observatory - First Results Tuesday, May 25, 2010 2:00 - 3:30 PM
<input type="checkbox"/> <b>313.01 - Global-Scale Dynamics of the Deep Solar Convection Zone and Implications for Irradiance Variability</b>	Mark S. Miesch <sup>1</sup> <sup>1</sup> HAO/NCAR.	<b>SPD Oral Session</b> 313. Irradiance Wednesday, May 26, 2010 10:30 - 11:45 AM
<input type="checkbox"/> <b>302.02 - Hot Prominence Cavities</b>	Shadia R. Habbal <sup>1</sup> , M. Druckmuller <sup>2</sup> , H.	<b>SPD Oral Session</b> 302. Coronal Magnetic Fields

Morgan<sup>+</sup>, I. Scholl<sup>+</sup>, V.  
 Rusin<sup>3</sup>, A. Daw<sup>4</sup>, J.  
 Johnson<sup>5</sup>, M. Arndt<sup>6</sup>  
<sup>1</sup>Univ. of Hawaii at  
 Manoa, <sup>2</sup>Faculty of  
 Mechanical Engineering,  
 Brno University of  
 Technology, Czech  
 Republic, <sup>3</sup>Astronomical  
 Institute, Slovak  
 Academy of Sciences,  
 Slovakia, <sup>4</sup>NASA GSFC,  
<sup>5</sup>Electricon, <sup>6</sup>Bridgewater  
 State University.

Monday, May 24,  
 2010 10:15 - 11:30  
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| <input type="checkbox"/> <b>319.03 - Investigation of Subsurface Connections in Complexes of Activity by Local Helioseismology</b>          | <b>Alexander G. Kosovichev</b> <sup>1</sup> , T. L. Duvall, Jr <sup>2</sup><br><sup>1</sup> Stanford Univ., <sup>2</sup> Solar Physics Laboratory, GSFC NASA. | <b>SPD Oral Session</b><br>319. Solar Interior & Structure, Asteroseismology<br>Thursday, May 27,<br>2010 10:30 AM - 12:00 PM |
| <input type="checkbox"/> <b>314.01 - Isolating Cme Signals In Coronagraph Images</b>  | <b>Huw Morgan</b> <sup>1</sup><br><sup>1</sup> Institute for Astronomy.   | <b>SPD Oral Session</b><br>314. Coronal Mass Ejections<br>Wednesday, May 26,<br>2010 2:00 - 3:30 PM                           |
| <input type="checkbox"/> <b>319.04D - Local Helioseismology with Solar Optical Telescope onboard Hinode</b>                                 | <b>Kaori Nagashima</b> <sup>1</sup><br><sup>1</sup> Graduate University for Advanced Studies, Japan.  | <b>SPD Oral Session</b><br>319. Solar Interior & Structure, Asteroseismology<br>Thursday, May 27,<br>2010 10:30 AM - 12:00 PM |
| <input type="checkbox"/> <b>321.03 - Magnetic Energy Spectrum and Intermittency in Solar Active Regions of Different Flare Productivity</b> | <b>Valentyna Abramenko</b> <sup>1</sup><br><sup>1</sup> Big Bear Solar Observatory.   | <b>SPD Oral Session</b><br>321. Flares & Energetic Particles<br>Thursday, May 27,<br>2010 3:00 - 4:30 PM                      |

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|---|---|--|
| <input type="checkbox"/> <b>306.03 -<br/>Measurements of the<br/>Coronal Acceleration<br/>Region of a Solar<br/>Flare</b>                                       | <b>Sam Krucker<sup>1</sup></b> , H. S. Hudson <sup>1</sup> , S. M. White <sup>2</sup> , S. Masuda <sup>3</sup> , R. P. Lin <sup>1</sup><br><i><sup>1</sup>UC, Berkeley, <sup>2</sup>Air Force Research Laboratory, Space Vehicles Directorate, <sup>3</sup>Univeristy of Nagoya, Japan.</i> | <b>SPD Oral Session</b><br>306. Solar Amuse Bouche<br>Tuesday, May 25,<br>2010 8:30 - 9:30 AM                                    |
| <input type="checkbox"/> <b>306.02D - Modeling<br/>Eruptive Coronal<br/>Magnetohydrodynamic<br/>Systems with FLUX</b>   | <b>Laurel Rachmeler<sup>1</sup></b><br><i><sup>1</sup>NCAR/HAO.</i>   | <b>SPD Oral Session</b><br>306. Solar Amuse Bouche<br>Tuesday, May 25,<br>2010 8:30 - 9:30 AM                                    |
| <input type="checkbox"/> <b>319.06 - Modeling the<br/>Sensitivity of<br/>Helioseismic<br/>Measurements to<br/>Magnetic Fields and<br/>Thermal Perturbations</b> | <b>Ashley D. Crouch<sup>1</sup></b> , A. Birch <sup>1</sup> , D. Braun <sup>1</sup><br><i><sup>1</sup>NorthWest Research Associates.</i>  | <b>SPD Oral Session</b><br>319. Solar Interior & Structure,<br>Asteroseismology<br>Thursday, May 27,<br>2010 10:30 AM - 12:00 PM |
| <input type="checkbox"/> <b>302.01 - New<br/>Observations Of The<br/>Solar Coronal<br/>Magnetism And Waves<br/>With HAO/CoMP</b>                                | <b>Scott W. McIntosh<sup>1</sup></b> , S. Tomczyk <sup>1</sup><br><i><sup>1</sup>National Center for Atmospheric Research.</i>  | <b>SPD Oral Session</b><br>302. Coronal Magnetic Fields<br>Monday, May 24,<br>2010 10:15 - 11:30 AM                              |
| <input type="checkbox"/> <b>305.05 - Numerical<br/>Simulations of the<br/>Chromosphere</b>  | <b>Viggo H. Hansteen<sup>1</sup></b><br><i><sup>1</sup>Institute of Theoretical Astrophysics, University of Oslo, Norway.</i>   | <b>SPD Oral Session</b><br>305. Chromosphere & Transition Region<br>Monday, May 24,<br>2010 4:00 - 5:30 PM                       |
| <input type="checkbox"/> <b>314.04 - Numerical<br/>Simulations of the<br/>Eruption of a Coronal<br/>Flux Rope</b>   | <b>Yuhong Fan<sup>1</sup></b><br><i><sup>1</sup>HAO/NCAR.</i>   | <b>SPD Oral Session</b><br>314. Coronal Mass Ejections<br>Wednesday, May 26,<br>2010 2:00 - 3:30 PM                              |
| <input type="checkbox"/> <b>302.03 - On the<br/>Vector Tomographic</b>  | <b>Maxim Kramar<sup>1</sup></b> , H. Lin <sup>2</sup> , R. Inhester <sup>3</sup> , J.   | <b>SPD Oral Session</b><br>302. Coronal  |

<b>Reconstruction for the pre-CME Coronal Magnetic Field from Fe XIII 10747 A Emission Line Observations</b>	Liu, D. Imster, J. Davila <sup>4</sup> <sup>1</sup> The Catholic University of America, <sup>2</sup> The University of Hawaii, <sup>3</sup> Max-Planck Institute for Solar System Research, Germany, <sup>4</sup> NASA-GSFC.	Magnetic Fields Monday, May 24, 2010 10:15 - 11:30 AM
<input type="checkbox"/> <b>308.06 - Overview of First-Result SDO Posters</b>	Alexander G. Kosovichev <sup>1</sup> , SDO Team <sup>1</sup> Stanford Univ..	<b>SPD Oral Session</b> 308. Solar Dynamics Observatory - First Results Tuesday, May 25, 2010 2:00 - 3:30 PM
<input type="checkbox"/> <b>313.05 - Photospheric Temperature Variations near the Solar Limb</b>	Martin Fivian <sup>1</sup> , H. S. Hudson <sup>1</sup> , R. P. Lin <sup>1</sup> , H. J. Zahid <sup>2</sup> <sup>1</sup> Space Sciences Lab/ UC Berkeley, <sup>2</sup> Institute for Astronomy/University of Hawaii.	<b>SPD Oral Session</b> 313. Irradiance Wednesday, May 26, 2010 10:30 - 11:45 AM
<input type="checkbox"/> <b>300.04 - Plasma Flows in Coronal Loops</b>	Peter R. Young <sup>1</sup> , B. O. Dwyer <sup>2</sup> , H. E. Mason <sup>2</sup> <sup>1</sup> George Mason University, <sup>2</sup> Cambridge University, United Kingdom.	<b>SPD Oral Session</b> 300. Coronal Loops Monday, May 24, 2010 8:30 - 9:45 AM
<input type="checkbox"/> <b>320.04D - Plasma Heating and Thermal Fronts Following Localized and Impulsive Reconnection in the Solar Corona</b>	Silvina Guidoni <sup>1</sup> , D. Longcope <sup>1</sup> <sup>1</sup> Montana State University - Bozeman.	<b>SPD Oral Session</b> 320. Solar Flares Thursday, May 27, 2010 1:00 - 2:30 PM
<input type="checkbox"/> <b>317.04 - Polar Coronal Hole Ephemeral Regions, The Fast</b>	Jonathan W. Cirtain <sup>1</sup> <sup>1</sup> NASA.	<b>SPD Oral Session</b> 317. Solar Magnetism and the

<b>Solar Wind And The Global Magnetic Dynamo</b>	Activity Cycle	Wednesday, May 26, 2010 4:00 - 5:30 PM
<input type="checkbox"/> <b>314.05 - Propagation of an Earth-Directed Coronal Mass Ejection in 3D</b>	<b>Jason Byrne<sup>1</sup></b> , P. T. Gallagher <sup>1</sup> , S. A. Maloney <sup>1</sup> , J. McAteer <sup>1</sup> <sup>1</sup> Trinity College Dublin, Ireland.	<b>SPD Oral Session</b> 314. Coronal Mass Ejections Wednesday, May 26, 2010 2:00 - 3:30 PM
<input type="checkbox"/> <b>305.02 - Quasi-periodic Signatures in the Transition Region and Corona: Waves or Flows?</b>	<b>Bart De Pontieu<sup>1</sup></b> , S. W. McIntosh <sup>2</sup> <sup>1</sup> Lockheed Martin Solar and Astrophysics Laboratory, <sup>2</sup> National Center for Atmospheric Research.	<b>SPD Oral Session</b> 305. Chromosphere & Transition Region Monday, May 24, 2010 4:00 - 5:30 PM
<input type="checkbox"/> <b>321.05D - Radio Observations And Modeling Of A Post-flare Arcade</b>	<b>Hazel Bain<sup>1</sup></b> , L. Fletcher <sup>2</sup> <sup>1</sup> University of California, Berkeley, <sup>2</sup> University of Glasgow, United Kingdom.	<b>SPD Oral Session</b> 321. Flares & Energetic Particles Thursday, May 27, 2010 3:00 - 4:30 PM
<input type="checkbox"/> <b>320.06 - RHESSI and TRACE Observations of Emerging Flux Reconnection in a Solar Jet on August 21, 2003</b>	<b>Lindsay Glesener<sup>1</sup></b> , S. Krucker <sup>1</sup> , R. P. Lin <sup>1</sup> <sup>1</sup> Space Sciences Laboratory, University of California - Berkeley.	<b>SPD Oral Session</b> 320. Solar Flares Thursday, May 27, 2010 1:00 - 2:30 PM
<input type="checkbox"/> <b>320.01D - RHESSI Observations of Super-Hot (T &gt; 30 MK) Plasma in Large Solar Flares</b>	<b>Amir Caspi<sup>1</sup></b> , R. P. Lin <sup>1</sup> <sup>1</sup> SSL, UC Berkeley.	<b>SPD Oral Session</b> 320. Solar Flares Thursday, May 27, 2010 1:00 - 2:30 PM
<input type="checkbox"/> <b>308.02 - SDO Extreme Ultraviolet Variability Experiment (EVE): Instrument and First</b>	<b>Thomas N. Woods<sup>1</sup></b> , F. Eparvier <sup>1</sup> , R. Hock <sup>1</sup> , A. Jones <sup>1</sup> , L. Didkovsky <sup>2</sup> ,	<b>SPD Oral Session</b> 308. Solar Dynamics Observatory - First Results

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| <b>Light</b>   | D. Judge <sup>2</sup> , P. Chamberlin <sup>3</sup> , J. Lean <sup>4</sup> , H. Warren <sup>4</sup> , J. Mariska <sup>4</sup><br><i><sup>1</sup>Univ. of Colorado,<br/><sup>2</sup>Univ. of Southern Calif.,<br/><sup>3</sup>NASA GSFC, <sup>4</sup>Naval Research Lab..</i>  | Tuesday, May 25,<br>2010 2:00 - 3:30 PM   |
| <input type="checkbox"/> <b>317.06 - Sea-Serpent Magnetic Structure of Sunspot Penumbrae: Observations and MHD Simulations</b>         | <b>Irina Kitiashvili<sup>1</sup></b> , L. R. Bellot Rubio <sup>2</sup> , A. G. Kosovichev <sup>1</sup> , N. N. Mansour <sup>3</sup> , A. Sainz Dalda <sup>4</sup> , A. A. Wray <sup>3</sup><br><i><sup>1</sup>Stanford University,<br/><sup>2</sup>Instituto de Astrofisica de Andalucia (CSIC), Spain, <sup>3</sup>NASA Ames Research Center,<br/><sup>4</sup>Stanford-Lockheed Institute for Space Research.</i>   | <b>SPD Oral Session</b><br>317. Solar Magnetism and the Activity Cycle<br>Wednesday, May 26,<br>2010 4:00 - 5:30 PM |
| <input type="checkbox"/> <b>320.05 - Simultaneous Fitting of Multiple Accelerated-Ion Parameters to RHESSI Gamma-Ray Flare Spectra</b> | <b>David M. Smith<sup>1</sup></b> , J. P. Naiman <sup>1</sup> , K. P. Schmidt <sup>1</sup> , R. J. Murphy <sup>2</sup> , G. H. Share <sup>2</sup> , A. Y. Shih <sup>3</sup> , R. P. Lin <sup>4</sup><br><i><sup>1</sup>UC, Santa Cruz, <sup>2</sup>Naval Research Laboratory,<br/><sup>3</sup>NASA Goddard Space Flight Center, <sup>4</sup>Physics Department and Space Sciences Laboratory, University of California, Berkeley, and School of Space Research, Kyung Hee University, Korea.</i> | <b>SPD Oral Session</b><br>320. Solar Flares<br>Thursday, May 27,<br>2010 1:00 - 2:30 PM                            |
| <input type="checkbox"/> <b>305.04 - Small Scale Chromospheric</b>   | <b>Vasyl B. Yurchyshyn<sup>1</sup></b><br><i><sup>1</sup>Big Bear Solar Obs</i>  | <b>SPD Oral Session</b><br>305. Chromosphere  |

<b>Dynamics Detected With The New Solar Telescope In Big Bear</b>	<i>Big Bear Solar Obs..</i>	& Transition Region Monday, May 24, 2010 4:00 - 5:30 PM
<input type="checkbox"/> <b>changed to 403.11 - SMART Analysis Of A He II Explosive Event Observed With MOSES</b>	<b>Lewis Fox</b> <sup>1</sup> , C. C. Kankelborg <sup>1</sup> , R. J. Thomas <sup>2</sup> <sup>1</sup> Montana State University, <sup>2</sup> Goddard Space Flight Center.	<b>SPD Oral Session</b> 305. Chromosphere & Transition Region Monday, May 24, 2010 4:00 - 5:30 PM
<input type="checkbox"/> <b>317.05 - Statistical Properties of Solar Active Regions Based on Objective Detection and Characterization</b>	<b>Jie Zhang</b> <sup>1</sup> <sup>1</sup> George Mason Univ..	<b>SPD Oral Session</b> 317. Solar Magnetism and the Activity Cycle Wednesday, May 26, 2010 4:00 - 5:30 PM
<input type="checkbox"/> <b>320.03D - Sunspot Rotation, Eruptive Flare Energetics And Flux Rope Helicity: Topology Matters.</b>	<b>Maria Kazachenko</b> <sup>1</sup> , R. Canfield <sup>1</sup> , D. Longcope <sup>1</sup> , J. Qiu <sup>1</sup> <sup>1</sup> Montana State University.	<b>SPD Oral Session</b> 320. Solar Flares Thursday, May 27, 2010 1:00 - 2:30 PM
<input type="checkbox"/> <b>314.02 - Tests of Dynamical Flux Emergence as a Mechanism for CME Initiation</b>	<b>James E. Leake</b> <sup>1</sup> , M. Linton <sup>1</sup> , S. Antiochos <sup>2</sup> <sup>1</sup> Naval Research Laboratory, <sup>2</sup> NASA Goddard Space Flight Center.	<b>SPD Oral Session</b> 314. Coronal Mass Ejections Wednesday, May 26, 2010 2:00 - 3:30 PM
<input type="checkbox"/> <b>302.05 - The Existence and Origin of Turbulence in Solar Active Regions</b>	<b>James A. Klimchuk</b> <sup>1</sup> , G. Nigro <sup>2</sup> , R. B. Dahlburg <sup>3</sup> , S. K. Antiochos <sup>1</sup> <sup>1</sup> NASA GSFC, <sup>2</sup> Univ. of Calabria, Italy, <sup>3</sup> NRL.	<b>SPD Oral Session</b> 302. Coronal Magnetic Fields Monday, May 24, 2010 10:15 - 11:30 AM
<input type="checkbox"/> <b>321.07 - The Interaction of Solar Flare Accelerated</b>	<b>Hamish Reid</b> <sup>1</sup> , E. Kontar <sup>1</sup>	<b>SPD Oral Session</b> 321. Flares & Energetic Particles

<b>Electron Beams with the Turbulent Solar Wind</b>	<sup>1</sup> University of Glasgow, United Kingdom.	Thursday, May 27, 2010 3:00 - 4:30 PM
<input type="checkbox"/> <b>303.04 - The Solar Wind in the Heliosheath</b>	<b>John D. Richardson</b> <sup>1</sup> <sup>1</sup> MIT.	<b>SPD Oral Session</b> 303. Solar Wind and the Heliosphere Monday, May 24, 2010 2:00 - 3:00 PM
<input type="checkbox"/> <b>313.02 - The Thermal Relaxation Time</b>	<b>Robert F. Stein</b> <sup>1</sup> , A. Nordlund <sup>2</sup> <sup>1</sup> Michigan State Univ., <sup>2</sup> Niels Bohr Institute, Denmark.	<b>SPD Oral Session</b> 313. Irradiance Wednesday, May 26, 2010 10:30 - 11:45 AM
<input type="checkbox"/> <b>317.03 - The Unusual Minimum of Solar Cycle 23 Explained</b>	<b>Dibyendu Nandy</b> <sup>1</sup> , A. Munoz-Jaramillo <sup>2</sup> , P. C. H. Martens <sup>2</sup> <sup>1</sup> Indian Institute of Science Education and Research, Kolkata, India, <sup>2</sup> Montana State University.	<b>SPD Oral Session</b> 317. Solar Magnetism and the Activity Cycle Wednesday, May 26, 2010 4:00 - 5:30 PM
<input type="checkbox"/> <b>302.04 - Three-dimensional MHD Model Of Active Region Loop Oscillations With Background Flow</b>	<b>Leon Ofman</b> <sup>1</sup> , J. Schmidt <sup>1</sup> , T. Wang <sup>1</sup> <sup>1</sup> Catholic University and NASA's GSFC.	<b>SPD Oral Session</b> 302. Coronal Magnetic Fields Monday, May 24, 2010 10:15 - 11:30 AM
<input type="checkbox"/> <b>321.06D - Type III-L Solar Radio Bursts and Their Associations with Solar Energetic Proton Events</b>	<b>Robert T. Duffin</b> <sup>1</sup> , S. M. White <sup>2</sup> , P. S. Ray <sup>3</sup> , M. L. Kaiser <sup>4</sup> <sup>1</sup> George Mason University, <sup>2</sup> Air Force Research Lab, <sup>3</sup> Naval Research Lab, <sup>4</sup> NASA/Goddard Space Flight Center.	<b>SPD Oral Session</b> 321. Flares & Energetic Particles Thursday, May 27, 2010 3:00 - 4:30 PM



**319.05 - Validating  
Time-Distance  
Subsurface Sound-  
Speed Structure  
Inversions**

**Junwei Zhao<sup>1</sup>**, K. V.  
Parchevsky<sup>1</sup>, T.  
Hartlep<sup>1</sup>, A. G.  
Kosovichev<sup>1</sup>  
<sup>1</sup>*Stanford Univ..*

**SPD Oral Session**  
**319. Solar Interior &  
Structure,  
Asteroseismology**  
**Thursday, May 27,**  
**2010 10:30 AM -**  
**12:00 PM**

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