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<input type="checkbox"/> <b>405.24 - Acceleration of Plasma Flows in Arched Helical Flux Tubes</b>	<b>Paul M. Bellan<sup>1</sup></b> , E. V. Stenson <sup>1</sup> <sup>1</sup> <i>Caltech.</i>	<b>SPD Poster Session</b> 405. Coronal Magnetic Field Wednesday, May 26, 2010 11:45 AM - 12:30 PM
<input type="checkbox"/> <b>405.23 - A Combined Approach for Coronal Magnetic Field Modeling</b>	<b>Qiang Hu<sup>1</sup></b> , A. Wang <sup>1</sup> , S. T. Wu <sup>1</sup> , G. A. Gary <sup>1</sup> <sup>1</sup> <i>CSPAR/UA Huntsville.</i>	<b>SPD Poster Session</b> 405. Coronal Magnetic Field Wednesday, May 26, 2010 11:45 AM -

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| <input type="checkbox"/> <b>403.02 - A Complete Observational Picture of Quiet Sun Prominence Eruptions</b>                                     | <b>Gary Kilper<sup>1</sup>, J. Davila<sup>1</sup></b><br><sup>1</sup> NASA GSFC.  | <b>SPD Poster Session</b><br>403. Chromosphere & Transition Region<br>Tuesday, May 25,<br>2010 4:30 - 6:30 PM           |
| <input type="checkbox"/> <b>400.13 - A Fresh Hubble Perspective on Sun-Like Dwarfs, Young and Old</b>   | <b>Thomas R. Ayres<sup>1</sup>, S. Redfield<sup>2</sup></b><br><sup>1</sup> University of Colorado, <sup>2</sup> Wesleyan University.   | <b>SPD Poster Session</b><br>400. Solar and Stellar Interiors and Structure<br>Monday, May 24, 2010<br>5:30 - 6:30 PM   |
| <input type="checkbox"/> <b>404.36 - A Method to Calculate Background-Subtracted Flare Plasma Parameters Using GOES Over Three Solar Cycles</b> | <b>Daniel Ryan<sup>1</sup>, P. T. Gallagher<sup>1</sup>, R. O. Milligan<sup>2</sup>, C. A. Young<sup>2</sup></b><br><sup>1</sup> Trinity College, Dublin, Ireland,<br><sup>2</sup> NASA, Goddard Space Flight Center. | <b>SPD Poster Session</b><br>404. Flares<br>Wednesday, May 26,<br>2010 5:30 - 6:30 PM                                   |
| <input type="checkbox"/> <b>405.21 - A Model for the Sources of the Slow Solar Wind</b>   | <b>Spiro K. Antiochos<sup>1</sup>, Z. Mikic<sup>2</sup>, R. Lionello<sup>2</sup>, V. Titov<sup>2</sup>, J. Linker<sup>2</sup></b><br><sup>1</sup> NASA GSFC,<br><sup>2</sup> Predictive Science Inc.                  | <b>SPD Poster Session</b><br>405. Coronal Magnetic Field<br>Wednesday, May 26,<br>2010 11:45 AM - 12:30 PM              |
| <input type="checkbox"/> <b>402.20 - A Simple and Customizable Web Interface to the Virtual Solar Observatory</b>                               | <b>V. Keith Hughitt<sup>1</sup>, J. Hourcle<sup>2</sup>, I. Suarez-Sola<sup>3</sup>, A. Davey<sup>4</sup></b><br><sup>1</sup> ADNET Systems/NASA, <sup>2</sup> Wyle IS/NASA, <sup>3</sup> National Solar Observatory, | <b>SPD Poster Session</b><br>402. Solar Dynamics Observatory - First Results<br>Tuesday, May 25,<br>2010 4:30 - 6:30 PM |

<sup>4</sup>*Smithsonian  
Astrophysical  
Observatory.*

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| <input type="checkbox"/> <b>407.14 - A Statistical Study of the Velocities in EUV Loops</b>   | <b>Brittany Bazzle<sup>1</sup></b> , R. O. Gray <sup>1</sup> , R. M. Howard <sup>1</sup> , T. Lewis <sup>1</sup> , A. Winebarger <sup>1</sup><br><br><sup>1</sup> <i>Alabama A&amp;M University.</i>   | <b>SPD Poster Session</b><br>407. Corona, Solar Wind and Heliosphere<br>Monday, May 24, 2010<br>5:30 - 6:30 PM       |
| <input type="checkbox"/> <b>402.07 - A Study on Evolution of the Solar Active Regions with SDO Data</b>                                 | <b>Yang Liu<sup>1</sup></b> , HMI Team<br><sup>1</sup> <i>Stanford University.</i>   | <b>SPD Poster Session</b><br>402. Solar Dynamics Observatory - First Results<br>Tuesday, May 25, 2010 4:30 - 6:30 PM |
| <input type="checkbox"/> <b>This presenter will not attend<br/>401.01 WITHDRAWN - Withdrawn</b>   |  | <b>SPD Poster Session</b><br>401. Solar Activity Cycle and Magnetism<br>Monday, May 24, 2010<br>5:30 - 6:30 PM       |
| <input type="checkbox"/> <b>407.04 - Absolute Radiometric Calibration Of EUNIS, And Calibration Updates For Hinode/EIS And SOHO/CDS</b> | <b>Tongjiang Wang<sup>1</sup></b> , R. J. Thomas <sup>2</sup> , J. W. Brosius <sup>1</sup> , P. R. Young <sup>3</sup> , D. M. Rabin <sup>2</sup> , J. M. Davila <sup>2</sup><br><br><sup>1</sup> <i>Catholic Univ of America / NASA GSFC,</i><br><sup>2</sup> <i>NASA GSFC,</i> <sup>3</sup> <i>Naval Research Laboratory.</i> | <b>SPD Poster Session</b><br>407. Corona, Solar Wind and Heliosphere<br>Monday, May 24, 2010<br>5:30 - 6:30 PM       |
| <input type="checkbox"/> <b>402.19 - Accessing SDO Data Through the VSO IDL Client</b>  | <b>Joseph Hourcle<sup>1</sup></b> , A. Amezcua <sup>2</sup> , A. Davey <sup>3</sup> , K. Hughitt <sup>4</sup> , J.   | <b>SPD Poster Session</b><br>402. Solar Dynamics Observatory - First Results   |

Spencer<sup>2</sup>, I. Suarez  
 Sola<sup>5</sup>, A. Somani<sup>6</sup>,  
 VSO Team  
<sup>1</sup>NASA/GSFC (Wyle),  
<sup>2</sup>Stanford University,  
<sup>3</sup>Harvard Center for  
 Astrophysics,  
<sup>4</sup>NASA/GSFC (ADNET),  
<sup>5</sup>National Solar  
 Observatory, <sup>6</sup>LMSAL.

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 Tuesday, May 25,  
 2010 4:30 - 6:30 PM

**402.15 - An Attempt  
 in Incorporating Local  
 and Global Coronal  
 Magnetic Field  
 Modeling**

**Xudong Sun**<sup>1</sup>, J. T.  
 Hoeksema<sup>1</sup>, X. Zhao<sup>1</sup>,  
 T. Wiegmann<sup>2</sup>  
<sup>1</sup>Stanford University,  
<sup>2</sup>Max-Planck-Institute  
 for Solar System  
 Research, Germany.

**SPD Poster Session**  
 402. Solar Dynamics  
 Observatory - First  
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 Tuesday, May 25,  
 2010 4:30 - 6:30 PM

**402.22 - An  
 Introduction to the  
 Heliophysics Event  
 Knowledgebase**

**Neal E. Hurlburt**<sup>1</sup>, M.  
 Cheung<sup>1</sup>, C.  
 Schrijver<sup>1</sup>, L. Chang<sup>1</sup>,  
 S. Freeland<sup>1</sup>, S.  
 Green<sup>1</sup>, C. Heck<sup>1</sup>, A.  
 Jaffey<sup>2</sup>, A. Kobashi<sup>2</sup>,  
 D. Schiff<sup>1</sup>, J. Serafin<sup>1</sup>,  
 R. Seguin<sup>1</sup>, G. Slater<sup>1</sup>,  
 A. Somani<sup>1</sup>, R.  
 Timmons<sup>1</sup>  
<sup>1</sup>Lockheed Martin  
 Corp., <sup>2</sup>Stanford  
 University.

**SPD Poster Session**  
 402. Solar Dynamics  
 Observatory - First  
 Results  
 Tuesday, May 25,  
 2010 4:30 - 6:30 PM

**407.08 - Anatomy of a  
 Slow Wave in a**

**Tom Van  
 Doorselaere**<sup>1</sup>, N.

**SPD Poster Session**  
 407. Corona, Solar

**Coronal Loop**

Wardle<sup>1</sup>, G. Del  
Zanna<sup>2</sup>, K. Jansari<sup>1</sup>  
<sup>1</sup>*University of Warwick,  
United Kingdom,*  
<sup>2</sup>*DAMPT, Centre for  
Mathematical Sciences,  
United Kingdom.*

Wind and Heliosphere  
Monday, May 24, 2010  
5:30 - 6:30 PM

- 405.22 - Application of Quasi-Separatrix Layer Maps to Understanding the Structure and Evolution of Sigmoids**

**Antonia Savcheva<sup>1</sup>,**  
E. DeLuca<sup>2</sup>, A. Van  
Ballegooijen<sup>2</sup>  
<sup>1</sup>*Boston University,*  
<sup>2</sup>*Harvard-Smithsonian  
CfA.*

**SPD Poster Session**  
405. Coronal Magnetic  
Field  
Wednesday, May 26,  
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12:30 PM

- 401.08 - Are Active Regions as Relevant for the Solar Cycle as we Think?**

**Andres Munoz-  
Jaramillo<sup>1</sup>,** D.  
Nandy<sup>2</sup>, P. C. H.  
Martens<sup>1</sup>  
<sup>1</sup>*Montana State  
University,* <sup>2</sup>*Indian  
Institute of Science  
Education - Kolkata,  
India.*

**SPD Poster Session**  
401. Solar Activity  
Cycle and Magnetism  
Monday, May 24, 2010  
5:30 - 6:30 PM

- 405.02 - Assimilating Measurements of the Photospheric Magnetic Field into MHD Models of the Solar Atmosphere**

**William P. Abbett<sup>1</sup>,**  
G. H. Fisher<sup>1</sup>, B. T.  
Welsch<sup>1</sup>, D. J. Bercik<sup>1</sup>  
<sup>1</sup>*UC, Berkeley.*

**SPD Poster Session**  
405. Coronal Magnetic  
Field  
Wednesday, May 26,  
2010 11:45 AM -  
12:30 PM

- 405.13 - Asymmetric Structure of Quiescent Filament Channels Observed by Hinode/XRT and**

**Yingna Su<sup>1</sup>,** A. van  
Ballegooijen<sup>1</sup>, L.  
Golub<sup>1</sup>  
<sup>1</sup>*Smithsonian*

**SPD Poster Session**  
405. Coronal Magnetic  
Field  
Wednesday, May 26,  
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<b><u>STEREO/EUVI</u></b>	<i>Astrophysical Observatory.</i>	<u>12:30 PM</u>
<input type="checkbox"/> <b><u>402.12 - Automated Detection and Extraction of Coronal Dimmings from SDO/AIA Data</u></b>	<b>Alisdair R. Davey<sup>1</sup></b> , G. D. R. Attrill <sup>1</sup> , M. J. Wills-Davey <sup>1</sup> <sup>1</sup> SAO.	<b><u>SPD Poster Session</u></b> <u>402. Solar Dynamics Observatory - First Results</u> <u>Tuesday, May 25,</u> <u>2010 4:30 - 6:30 PM</u>
<input type="checkbox"/> <b><u>402.10 - Automated Polarity Inversion Line</u></b>	<b>Alexander Engell<sup>1</sup></b> , SDO Feature Finding Team <sup>1</sup> SAO.	<b><u>SPD Poster Session</u></b> <u>402. Solar Dynamics Observatory - First Results</u> <u>Tuesday, May 25,</u> <u>2010 4:30 - 6:30 PM</u>
<input type="checkbox"/> <b><u>405.16 - Automatic Identification of Solar X-ray Bright Points in Hinode X-ray Data</u></b>	<b>Mitzi Adams<sup>1</sup></b> , A. F. Tennant <sup>1</sup> , J. W. Cirtain <sup>1</sup> <sup>1</sup> NASA/MSFC.	<b><u>SPD Poster Session</u></b> <u>405. Coronal Magnetic Field</u> <u>Wednesday, May 26,</u> <u>2010 11:45 AM -</u> <u>12:30 PM</u>
<input type="checkbox"/> <b><u>404.14 - Back-reaction on the Solar Surface Associated with Coronal Magnetic Restructuring in Solar Eruptions</u></b>	<b>Haimin Wang<sup>1</sup></b> , C. Liu <sup>1</sup> <sup>1</sup> NJIT.	<b><u>SPD Poster Session</u></b> <u>404. Flares</u> <u>Wednesday, May 26,</u> <u>2010 5:30 - 6:30 PM</u>
<input type="checkbox"/> <b><u>404.02 - Bayesian Analysis of RHESSI Flare Spectra</u></b>	<b>Jack Ireland<sup>1</sup></b> , G. D. Holman <sup>2</sup> , A. K. Tolbert <sup>3</sup> , B. R. Dennis <sup>2</sup> , R. A. Schwartz <sup>4</sup> <sup>1</sup> ADNET Systems, NASA's GSFC, <sup>2</sup> NASA Goddard Spaceflight	<b><u>SPD Poster Session</u></b> <u>404. Flares</u> <u>Wednesday, May 26,</u> <u>2010 5:30 - 6:30 PM</u>

Center, <sup>3</sup>R. S.  
 Information Systems /  
 NASA Goddard  
 Spaceflight Center,  
<sup>4</sup>Catholic University of  
 America / NASA  
 Goddard Spaceflight  
 Center.

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| <input type="checkbox"/> <b>406.20 - Blowout<br/>           Jets: Hinode X-Ray<br/>           Jets that Don't Fit the<br/>           Standard Model</b>  | <b>Ronald L. Moore<sup>1</sup>, J.</b><br>W. Cirtain <sup>1</sup> , A. C.<br>Sterling <sup>1</sup><br><sup>1</sup> NASA's MSFC.  | <b>SPD Poster Session</b><br>406. Coronal Mass<br>Ejections<br>Tuesday, May 25,<br>2010 4:30 - 6:30 PM                        |
| <input type="checkbox"/> <b>402.02 - Center-to-<br/>           limb Variations From<br/>           SDO Extreme<br/>           Ultraviolet Variability<br/>           Experiment (EVE)</b>                                  | <b>Rachel Hock<sup>1</sup>, T. N.</b><br>Woods <sup>1</sup> , F. G.<br>Eparvier <sup>1</sup><br><sup>1</sup> University of Colorado<br>LASP.   | <b>SPD Poster Session</b><br>402. Solar Dynamics<br>Observatory - First<br>Results<br>Tuesday, May 25,<br>2010 4:30 - 6:30 PM |
| <input type="checkbox"/> <b>401.14 - Checking<br/>           Asymmetry of<br/>           Magnetic Helicity<br/>           Using Magnetograms<br/>           with High Spatial and<br/>           Temporal Resolution</b>   | <b>Lirong Tian<sup>1</sup>, C.</b><br>Zhu <sup>1</sup> , D. Alexander <sup>1</sup><br><sup>1</sup> Rice Univ..   | <b>SPD Poster Session</b><br>401. Solar Activity<br>Cycle and Magnetism<br>Monday, May 24, 2010<br>5:30 - 6:30 PM             |
| <input type="checkbox"/> <b>407.05 - Cloudy Solar<br/>           Software - Enhanced<br/>           Capabilities for<br/>           Finding, Pre-<br/>           processing, and<br/>           Visualizing Solar Data</b> | <b>Laszlo Istvan Etesi<sup>1</sup>,</b><br>K. Tolbert <sup>2</sup> , R.<br>Schwartz <sup>1</sup> , D. Zarro <sup>3</sup> ,<br>B. Dennis <sup>4</sup> , A.<br>Csillaghy <sup>5</sup><br><sup>1</sup> The Catholic<br>University of America,<br><sup>2</sup> Wyle Information<br>Systems, Inc., <sup>3</sup> ADNET | <b>SPD Poster Session</b><br>407. Corona, Solar<br>Wind and Heliosphere<br>Monday, May 24, 2010<br>5:30 - 6:30 PM             |

*Systems, Inc., <sup>4</sup>NASA  
Goddard Space Flight  
Center, <sup>5</sup>University of  
Applied Sciences  
Northwestern  
Switzerland,  
Switzerland.*

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|---|---|---|
| <input type="checkbox"/> <b>406.15 - Cme Propagation And Expansion In 3-d Space In The Heliosphere Based On Stereo/secchi Observations.</b> | <b>Watanachak Poomvises<sup>1</sup>, J. Zhang<sup>1</sup>, O. Olmedo<sup>1</sup></b><br><sup>1</sup> <i>George Mason University.</i>  | <b>SPD Poster Session</b><br>406. Coronal Mass Ejections<br>Tuesday, May 25,<br>2010 4:30 - 6:30 PM           |
| <input type="checkbox"/> <b>404.07 - Comparing Solar-Flare Acceleration of &gt;~20 MeV Protons and Electrons Above Various Energies</b>     | <b>Albert Y. Shih<sup>1</sup>, B. R. Dennis<sup>1</sup>, R. P. Lin<sup>2</sup></b><br><sup>1</sup> <i>NASA/GSFC, <sup>2</sup>Physics Dept. and SSL, University of California, Berkeley.</i>   | <b>SPD Poster Session</b><br>404. Flares<br>Wednesday, May 26,<br>2010 5:30 - 6:30 PM                         |
| <input type="checkbox"/> <b>406.23 - Comparing the Verification of Forecasts from Two Operational Solar Wind Models</b>                     | <b>Donald C. Norquist<sup>1</sup>, W. Meeks<sup>1</sup></b><br><sup>1</sup> <i>Air Force Research Lab.</i>  | <b>SPD Poster Session</b><br>406. Coronal Mass Ejections<br>Tuesday, May 25,<br>2010 4:30 - 6:30 PM           |
| <input type="checkbox"/> <b>403.06 - Comparison Of Observations And Advanced Numerical Simulations Of Type II Spicules</b>                  | <b>Juan Martinez-Sykora<sup>1</sup>, B. De Pontieu<sup>1</sup>, V. Hansteen<sup>2</sup>, F. Moreno-Insertis<sup>3</sup></b><br><sup>1</sup> <i>Lockheed Martin Solar &amp; Astrophysics Lab, Palo Alto, <sup>2</sup>Institute of theoretical Astrofisisikk,</i> | <b>SPD Poster Session</b><br>403. Chromosphere & Transition Region<br>Tuesday, May 25,<br>2010 4:30 - 6:30 PM |



University of Oslo,  
Norway, <sup>3</sup>Instituto  
Astrofisica de Canarias,  
Spain.

<input type="checkbox"/> <b>401.09 - Comparison Of STEREO EUVI Images With GONG Far-side Image Predictions</b>	<b>Orville Chris St. Cyr<sup>1</sup></b> , W. T. Thompson <sup>2</sup> <i><sup>1</sup>NASA's GSFC, <sup>2</sup>Adnet Systems, Inc., NASA's GSFC.</i>	<b>SPD Poster Session</b> 401. Solar Activity Cycle and Magnetism Monday, May 24, 2010 5:30 - 6:30 PM
<input type="checkbox"/> <b>406.12 - Confirmation of the "Main Sequence" of Explosive Active Regions</b>	<b>David Falconer<sup>1</sup></b> , R. L. Moore <sup>2</sup> <i><sup>1</sup>CSPAR, UAHuntsville, <sup>2</sup>NASA's MSFC.</i>	<b>SPD Poster Session</b> 406. Coronal Mass Ejections Tuesday, May 25, 2010 4:30 - 6:30 PM
<input type="checkbox"/> <b>402.17 - CORHEL MHD Modeling in Support of Solar Dynamics Observatory</b>	<b>Jon A. Linker<sup>1</sup></b> , P. Riley <sup>1</sup> , Z. Mikic <sup>1</sup> , R. Lionello <sup>1</sup> , V. Titov <sup>1</sup> , J. Wijaya <sup>1</sup> <i><sup>1</sup>Predictive Science Inc.</i>	<b>SPD Poster Session</b> 402. Solar Dynamics Observatory - First Results Tuesday, May 25, 2010 4:30 - 6:30 PM
<input type="checkbox"/> <b>407.20 - Coronal Active Region Loop Variability Observed with Hinode/EIS</b>	<b>Paul Bryans<sup>1</sup></b> <i><sup>1</sup>Naval Research Lab.</i>	<b>SPD Poster Session</b> 407. Corona, Solar Wind and Heliosphere Monday, May 24, 2010 5:30 - 6:30 PM
<input type="checkbox"/> <b>406.14 - Coronal Dimming And Waves Observed In Flare-Associated CMEs</b>	<b>Nariaki Nitta<sup>1</sup></b> , M. Aschwanden <sup>1</sup> , S. Freeland <sup>1</sup> , J. Lemen <sup>1</sup> , J. Wuelser <sup>1</sup> , D. Zarro <sup>2</sup> <i><sup>1</sup>Lockheed Martin, ATC, <sup>2</sup>ADNET System, Inc.</i>	<b>SPD Poster Session</b> 406. Coronal Mass Ejections Tuesday, May 25, 2010 4:30 - 6:30 PM

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|---|---|--|
| <input type="checkbox"/> <b>405.14 - Coronal Loop Evolution and Inferred Coronal Magnetic Energy in a Quiet Active Region</b>                                   | <b>Jin-Yi Lee<sup>1</sup></b> , G. Barnes <sup>2</sup> , K. Leka <sup>2</sup> , K. Reeves <sup>1</sup> , K. E. Korreck <sup>1</sup> , L. Golub <sup>1</sup><br><sup>1</sup> <i>Harvard-Smithsonian Center for Astrophysics,</i><br><sup>2</sup> <i>NWRA/CoRA.</i> | <b>SPD Poster Session</b><br>405. Coronal Magnetic Field<br>Wednesday, May 26, 2010 11:45 AM - 12:30 PM              |
| <input type="checkbox"/> <b>407.07 - Coronal Pseudostreamers and Like-Polarity Solar Wind Stream Boundaries: Contributions Over the Past Three Solar Cycles</b> | <b>Janet Luhmann<sup>1</sup></b> , C. O. Lee <sup>1</sup> , L. K. Jian <sup>2</sup> , C. T. Russell <sup>2</sup> , P. Riley <sup>3</sup><br><sup>1</sup> <i>SSL, UC, Berkeley,</i><br><sup>2</sup> <i>IGPP, UCLA,</i> <sup>3</sup> <i>PSI.</i>                    | <b>SPD Poster Session</b><br>407. Corona, Solar Wind and Heliosphere<br>Monday, May 24, 2010 5:30 - 6:30 PM          |
| <input type="checkbox"/> <b>407.22 - Coronal Tomography With STEREO and TRACE</b>   | <b>Christopher Plumberg<sup>1</sup></b> , C. C. Kankelborg <sup>2</sup><br><sup>1</sup> <i>The Ohio State University,</i> <sup>2</sup> <i>Montana State University.</i>   | <b>SPD Poster Session</b><br>407. Corona, Solar Wind and Heliosphere<br>Monday, May 24, 2010 5:30 - 6:30 PM          |
| <input type="checkbox"/> <b>402.13 - Correlation Times of Solar Active Regions</b>  | <b>Karin Muglach<sup>1</sup></b> , P. W. Schuck <sup>1</sup> , M. G. Linton <sup>2</sup><br><sup>1</sup> <i>NASA GSFC,</i> <sup>2</sup> <i>NRL.</i>   | <b>SPD Poster Session</b><br>402. Solar Dynamics Observatory - First Results<br>Tuesday, May 25, 2010 4:30 - 6:30 PM |
| <input type="checkbox"/> <b>407.06 - Data Inversion Techniques for SONNE: a Fast Neutron Spectrometer for Solar Probe Plus</b>                                  | <b>Procheta Mallik<sup>1</sup></b> , A. L. MacKinnon <sup>1</sup> , J. M. Ryan <sup>2</sup> , R. S. Woolf <sup>2</sup> , P. F. Bloser <sup>2</sup> , U. Bravar <sup>2</sup> , J. S. Legere <sup>2</sup> , M. L.   | <b>SPD Poster Session</b><br>407. Corona, Solar Wind and Heliosphere<br>Monday, May 24, 2010 5:30 - 6:30 PM          |

McConnell<sup>2</sup>, E. O.  
 Flueckiger<sup>3</sup>, B. Pirard<sup>3</sup>  
<sup>1</sup>*University of Glasgow,  
 United Kingdom,*  
<sup>2</sup>*University of New  
 Hampshire,* <sup>3</sup>*University  
 of Bern, Switzerland.*

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| <input type="checkbox"/> <b>407.10 -<br/>           Determination Of<br/>           Non-thermal Velocity<br/>           Distributions From<br/>           Spatially-averaged<br/>           EUV Spectra Observed<br/>           With SERTS And<br/>           Hinode/EIS</b> | <b>Aaron J. Coyner<sup>1</sup>, J.<br/>           M. Davila<sup>2</sup></b><br><sup>1</sup> <i>Catholic Univ of<br/>           America and<br/>           NASA/GSFC,</i><br><sup>2</sup> <i>NASA/GSFC.</i>   | <b>SPD Poster Session</b><br>407. Corona, Solar<br>Wind and Heliosphere<br>Monday, May 24, 2010<br>5:30 - 6:30 PM |
| <input type="checkbox"/> <b>401.12 - Determing<br/>           Flow Fields Consistent<br/>           with Vector Magnetic<br/>           Evolution</b>  | <b>Brian Welsch<sup>1</sup>, G. H.<br/>           Fisher<sup>1</sup>, W. P. Abbett<sup>1</sup>,<br/>           D. J. Bercik<sup>1</sup></b><br><sup>1</sup> <i>UC-Berkeley.</i>  | <b>SPD Poster Session</b><br>401. Solar Activity<br>Cycle and Magnetism<br>Monday, May 24, 2010<br>5:30 - 6:30 PM |
| <input type="checkbox"/> <b>404.03 - Direct<br/>           Determination of<br/>           Accelerated<br/>           Mechanism<br/>           Characteristics in<br/>           Solar Flares from<br/>           RHESSI Observations</b>                                    | <b>Vahe Petrosian<sup>1</sup>, Q.<br/>           Chen<sup>1</sup></b><br><sup>1</sup> <i>Stanford Univ..</i>   | <b>SPD Poster Session</b><br>404. Flares<br>Wednesday, May 26,<br>2010 5:30 - 6:30 PM                             |
| <input type="checkbox"/> <b>moved to 305.07 -<br/>           Direct Imaging of an<br/>           Emerging Flux Rope<br/>           and a Resulting<br/>           Chromospheric Jet<br/>           Observed by Hinode</b>  | <b>Wei Liu<sup>1</sup>, T. Berger<sup>2</sup>,<br/>           A. M. Title<sup>2</sup>, T. D.<br/>           Tarbell<sup>2</sup>, M. DeRosa<sup>2</sup></b><br><sup>1</sup> <i>Stanford-Lockheed<br/>           Institute for Space<br/>           Research,</i> <sup>2</sup> <i>Lockheed<br/>           Martin Solar and<br/>           Astrophysics</i> | <b>SPD Poster Session</b><br>403. Chromosphere &<br>Transition Region<br>Tuesday, May 25,<br>2010 4:30 - 6:30 PM  |

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Department ADBS.

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| <input type="checkbox"/> <b>400.05 - Diverging And Converging Flows Around Sunspot Structures In Axisymmetric Mhd Simulations</b> | <b>Thomas Hartlep<sup>1</sup></b> , F. H. Busse <sup>2</sup> , A. G. Kosovichev <sup>1</sup> , N. E. Hurlburt <sup>3</sup><br><sup>1</sup> Stanford University,<br><sup>2</sup> University of Bayreuth, Germany,<br><sup>3</sup> Lockheed Martin Solar and Astrophysics Laboratory. | <b>SPD Poster Session</b><br>400. Solar and Stellar Interiors and Structure<br>Monday, May 24, 2010<br>5:30 - 6:30 PM |
| <input type="checkbox"/> <b>404.01 - Double Coronal Hard X-ray Sources and Radio Type III bursts in Three Solar Flares</b>        | <b>Qingrong Chen<sup>1</sup></b> , V. Petrosian <sup>1</sup><br><sup>1</sup> Stanford University.   | <b>SPD Poster Session</b><br>404. Flares<br>Wednesday, May 26, 2010 5:30 - 6:30 PM                                    |
| <input type="checkbox"/> <b>402.06 - Early Magnetic Field Observations from HMI</b>   | <b>Jon Todd Hoeksema<sup>1</sup></b> , HMI Magnetic Field Team<br><sup>1</sup> Stanford University.   | <b>SPD Poster Session</b><br>402. Solar Dynamics Observatory - First Results<br>Tuesday, May 25, 2010 4:30 - 6:30 PM  |
| <input type="checkbox"/> <b>404.28 - Electron Acceleration and Plasma Heating in Solar Flares</b>                                 | <b>Siming Liu<sup>1</sup></b> , F. Lyndsay <sup>1</sup> , F. Han <sup>2</sup><br><sup>1</sup> University of Glasgow, United Kingdom,<br><sup>2</sup> Purple Mountain Observatory, China.  | <b>SPD Poster Session</b><br>404. Flares<br>Wednesday, May 26, 2010 5:30 - 6:30 PM                                    |
| <input type="checkbox"/> <b>404.17 - Electron Beam Return-Current Losses in Solar Flares: Initial Comparison of</b>               | <b>Gordon Dean Holman<sup>1</sup></b><br><sup>1</sup> NASA's GSFC.  | <b>SPD Poster Session</b><br>404. Flares<br>Wednesday, May 26, 2010 5:30 - 6:30 PM                                    |

## **Analytical and Numerical Results**

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| <input type="checkbox"/> <b>405.15 - Elemental Abundance Variations in a Decaying EUV-Bright Region</b>                            | <b>Yuan-Kuen Ko<sup>1</sup></b> , E. Landi <sup>1</sup> , U. Feldman <sup>2</sup> , P. Young <sup>3</sup><br><sup>1</sup> Naval Research Laboratory, <sup>2</sup> ARTEP, Inc., <sup>3</sup> George Mason University. | <b>SPD Poster Session</b><br>405. Coronal Magnetic Field<br>Wednesday, May 26, 2010 11:45 AM - 12:30 PM              |
| <input type="checkbox"/> <b>402.09 - Emerging Flux Detection for the Solar Dynamics Observatory</b>                                | <b>Craig DeForest<sup>1</sup></b> , J. Peterson <sup>1</sup><br><sup>1</sup> Southwest Research Institute.   | <b>SPD Poster Session</b><br>402. Solar Dynamics Observatory - First Results<br>Tuesday, May 25, 2010 4:30 - 6:30 PM |
| <input type="checkbox"/> <b>404.24 - Energy Release and Heating by Reconnection in a Flare with a Thermal Looptop X-ray Source</b> | <b>Dana Longcope<sup>1</sup></b> , A. Des Jardins <sup>1</sup> , T. Carranza-Fulmer <sup>2</sup> , J. Qiu <sup>1</sup><br><sup>1</sup> Montana State Univ., <sup>2</sup> City University of New York.                | <b>SPD Poster Session</b><br>404. Flares<br>Wednesday, May 26, 2010 5:30 - 6:30 PM                                   |
| <input type="checkbox"/> <b>405.04 - Energy Storage in an Asymmetric Bipolar Corona</b>  | <b>Richard Wolfson<sup>1</sup></b> , M. Kennedy <sup>1</sup><br><sup>1</sup> Middlebury College.   | <b>SPD Poster Session</b><br>405. Coronal Magnetic Field<br>Wednesday, May 26, 2010 11:45 AM - 12:30 PM              |
| <input type="checkbox"/> <b>405.06 - Estimating Changes in Coronal Connection Fluxes Due to Emergence and Submergence</b>          | <b>Lucas Tarr<sup>1</sup></b> , D. Longcope <sup>1</sup><br><sup>1</sup> Montana State University.   | <b>SPD Poster Session</b><br>405. Coronal Magnetic Field<br>Wednesday, May 26, 2010 11:45 AM -                       |

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**401.13 - Estimating Electric Fields from Vector Magnetogram Sequences**

**George H. Fisher**<sup>1</sup>, B. T. Welsch<sup>1</sup>, W. P. Abbett<sup>1</sup>, D. J. Bercik<sup>1</sup>  
<sup>1</sup>*UC, Berkeley.*

**SPD Poster Session**  
401. Solar Activity Cycle and Magnetism  
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**407.03 - EUV And Soft X-ray Quantum Efficiency Measurements Of A Thinned, Back-illuminated CMOS APS For Solar Physics Applications**

**Robert A. Stern**<sup>1</sup>, L. Shing<sup>1</sup>, N. Waltham<sup>2</sup>, H. Mapson-Menard<sup>2</sup>, A. Harris<sup>3</sup>, P. Pool<sup>3</sup>  
<sup>1</sup>*Lockheed Martin Solar & Astrophys.,*  
<sup>2</sup>*Rutherford Appleton Lab, United Kingdom,*  
<sup>3</sup>*e2v, United Kingdom.*

**SPD Poster Session**  
407. Corona, Solar Wind and Heliosphere  
Monday, May 24, 2010  
5:30 - 6:30 PM

**405.09 - Evaporation from Reconnection-driven Heat Fronts**

**Sean Brannon**<sup>1</sup>, D. Longcope<sup>1</sup>  
<sup>1</sup>*Montana State University - Bozeman.*

**SPD Poster Session**  
405. Coronal Magnetic Field  
Wednesday, May 26, 2010 11:45 AM - 12:30 PM

**400.11 - Evidence for a Solar Influence on Nuclear Decay Rates**

**Peter A. Sturrock**<sup>1</sup>, J. B. Buncher<sup>2</sup>, E. Fischbach<sup>2</sup>, J. T. Gruenwald<sup>2</sup>, D. Javorsek, II<sup>3</sup>, J. H. Jenkins<sup>2</sup>, R. Lee<sup>4</sup>, J. T. Mattes<sup>2</sup>, J. R. Newport<sup>2</sup>  
<sup>1</sup>*Stanford Univ.,*  
<sup>2</sup>*Purdue University,*  
<sup>3</sup>*412th Test Wing,* <sup>4</sup>*US Air Force Academy.*

**SPD Poster Session**  
400. Solar and Stellar Interiors and Structure  
Monday, May 24, 2010  
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| <input type="checkbox"/> <b>404.26 - Evidence of Enhanced Particle Acceleration During a Plasmoid-Looptop Collision Observed with RHESSI</b>                | <b>Ryan Milligan</b> <sup>1</sup> , R. T. J. McAteer <sup>2</sup> , B. R. Dennis <sup>3</sup> , C. A. Young <sup>4</sup><br><sup>1</sup> <i>CUA/NASA-GSFC,</i><br><sup>2</sup> <i>Trinity College Dublin, Ireland,</i> <sup>3</sup> <i>NASA-GSFC,</i><br><sup>4</sup> <i>Adnet/NASA-GSFC.</i> | <b>SPD Poster Session</b><br>404. Flares<br>Wednesday, May 26,<br>2010 5:30 - 6:30 PM               |
| <input type="checkbox"/> <b>404.04 - Evolution of Magnetic Field in AR 10930 During the X6.5 Flare on 2006 December 6</b>                                   | <b>Olga Burtseva</b> <sup>1</sup> , G. Petrie <sup>1</sup><br><sup>1</sup> <i>National Solar Observatory.</i>   | <b>SPD Poster Session</b><br>404. Flares<br>Wednesday, May 26,<br>2010 5:30 - 6:30 PM               |
| <input type="checkbox"/> <b>404.11 - Evolution of Magnetic Setting in Flare Productive Active Regions</b>   | <b>Yixuan Li</b> <sup>1</sup> , J. Jing <sup>1</sup> , H. Wang <sup>1</sup><br><sup>1</sup> <i>NJIT.</i>  | <b>SPD Poster Session</b><br>404. Flares<br>Wednesday, May 26,<br>2010 5:30 - 6:30 PM               |
| <input type="checkbox"/> <b>406.11 - Evolution of Toroidal Magnetic Clouds</b>  | <b>Eugene Romashets</b> <sup>1</sup> , M. Vandas <sup>2</sup><br><sup>1</sup> <i>Prairie View A&amp;M University,</i><br><sup>2</sup> <i>Astronomical Institute, Czech Republic.</i>  | <b>SPD Poster Session</b><br>406. Coronal Mass Ejections<br>Tuesday, May 25,<br>2010 4:30 - 6:30 PM |
| <input type="checkbox"/> <b>404.31 - Examination of Broadband Coherent Synchrotron Radiation to Describe THz and Sub-THz Solar Flare Spectral Emissions</b> | <b>Michael Klopf</b> <sup>1</sup> , P. Kaufmann <sup>2</sup> , J. Raulin <sup>2</sup><br><sup>1</sup> <i>Jefferson Lab,</i> <sup>2</sup> <i>Centro de Rádio Astronomia e Astrofísica Mackenzie (CRAAM), Universidade Presbiteriana Mackenzie, Brazil.</i>                                     | <b>SPD Poster Session</b><br>404. Flares<br>Wednesday, May 26,<br>2010 5:30 - 6:30 PM               |
| <input type="checkbox"/> <b>405.20 - Expanded</b>   | <b>Dale E. Garv</b> <sup>1</sup> , G. J.  | <b>SPD Poster Session</b>   |

<b>Owens Valley Solar Array Science and Data Products</b>	Hurford <sup>2</sup> , G. M. Nita <sup>1</sup> , G. D. Fleishman <sup>1</sup> , J. M. McTiernan <sup>2</sup> <i><sup>1</sup>NJIT, <sup>2</sup>UC/Berkeley.</i>	405. Coronal Magnetic Field Wednesday, May 26, 2010 11:45 AM - 12:30 PM
<input type="checkbox"/> <b>404.21 - Fast 2D Magnetic Reconnection: Relating Anomalous Resistivity and Two-Fluid Magnetohydrodynamic Models</b>	<b>Vyacheslav Lukin<sup>1</sup></b> , M. G. Linton <sup>1</sup> <i><sup>1</sup>Naval Research Laboratory.</i>	<b>SPD Poster Session</b> 404. Flares Wednesday, May 26, 2010 5:30 - 6:30 PM
<input type="checkbox"/> <b>402.11 - Fast and Robust Segmentation of Solar EUV Images: Towards Real Time Use in the Age of SDO</b>	<b>Benjamin Mampaey<sup>1</sup></b> , V. Delouille <sup>1</sup> , C. Verbeeck <sup>1</sup> , J. Hochedez <sup>1</sup> , V. Barra <sup>2</sup> <i><sup>1</sup>Royal Observatory Belgium, Belgium, <sup>2</sup>LIMOS, UMR 6158, Univ. Blaise Pascal, France.</i>	<b>SPD Poster Session</b> 402. Solar Dynamics Observatory - First Results Tuesday, May 25, 2010 4:30 - 6:30 PM
<input type="checkbox"/> <b>404.18 - Fast Cold Upflows During a Solar Microflare Observed with RHESSI and SOHO's CDS</b>	<b>Jeffrey W. Brosius<sup>1</sup></b> , G. D. Holman <sup>2</sup> <i><sup>1</sup>Catholic University of America at NASA/GSFC, <sup>2</sup>NASA/GSFC.</i>	<b>SPD Poster Session</b> 404. Flares Wednesday, May 26, 2010 5:30 - 6:30 PM
<input type="checkbox"/> <b>404.06 - Fermi GBM and LAT Solar Flare X Ray and <math>\gamma</math> Ray Observations</b>	<b>Richard A. Schwartz<sup>1</sup></b> , B. Dennis <sup>2</sup> , A. K. Tolbert <sup>3</sup> , R. Murphy <sup>4</sup> ,	<b>SPD Poster Session</b> 404. Flares Wednesday, May 26, 2010 5:30 - 6:30 PM



G. Share<sup>5</sup>, G.  
Fishman<sup>6</sup>, M. Briggs<sup>6</sup>,  
F. Longo<sup>7</sup>, R. Diehl<sup>8</sup>,  
R. Wijers<sup>9</sup>

<sup>1</sup>The Catholic  
University of America  
at NASA's GSFC,

<sup>2</sup>NASA's GSFC, <sup>3</sup>Wyle  
Information Systems at

NASA's GSFC, <sup>4</sup>Naval  
Research Laboratory,

<sup>5</sup>The University of

Maryland, <sup>6</sup>NASA  
Marshall Space Flight

Center, <sup>7</sup>INFN, Italy,

<sup>8</sup>Max Planck Institute  
for Extraterrestrial  
Physics, Germany,

<sup>9</sup>University of  
Amsterdam,  
Netherlands.

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**404.19 - First  
Observation of the  
Full Hard X-ray  
Spectral Signature of  
Nonuniform  
Ionization and  
Derivation of the  
Density Distribution in  
the Flaring Loop**

**Yang Su<sup>1</sup>**, G. D.  
Holman<sup>2</sup>, B. R. Dennis<sup>2</sup>  
<sup>1</sup>NASA-  
GSFC/CUA/PMO,  
<sup>2</sup>NASA-GSFC.

**SPD Poster Session**  
404. Flares  
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**402.31 - Flare  
Comparisons Of The  
Flare Irradiance  
Spectral Model (FISM)  
To Preliminary SDO  
EVE Data**

**Phillip C.  
Chamberlin<sup>1</sup>**, T. N.  
Woods<sup>2</sup>, F. G.  
Eparvier<sup>2</sup>, R. Hock<sup>2</sup>, D.  
L. Judge<sup>3</sup>, L.

**SPD Poster Session**  
402. Solar Dynamics  
Observatory - First  
Results  
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Didkovsky<sup>3</sup>  
<sup>1</sup>NASA/GSFC, <sup>2</sup>U. of  
 Colorado/LASP, <sup>3</sup>U. of  
 Southern  
 California/SSC.

**404.29 - Flare Global  
 Waves Of Three Kinds**

**Hugh S. Hudson<sup>1</sup>, J.  
 C. Martinez-Oliveros<sup>1</sup>**  
<sup>1</sup>SSL, UC Berkeley.

**SPD Poster Session**  
 404. Flares  
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**407.01 - Formation  
 and Reconnection of  
 Three-Dimensional  
 Current Sheets in the  
 Solar Corona**

**Justin K.  
 Edmondson<sup>1</sup>, S. K.  
 Antiochos<sup>2</sup>, C.  
 DeVore<sup>3</sup>, M. Velli<sup>1</sup>, T.  
 H. Zurbuchen<sup>4</sup>**  
<sup>1</sup>NASA Jet Propulsion  
 Laboratory, <sup>2</sup>NASA  
 Goddard Space Flight  
 Center, <sup>3</sup>Naval  
 Research Laboratory,  
<sup>4</sup>University of  
 Michigan.

**SPD Poster Session**  
 407. Corona, Solar  
 Wind and Heliosphere  
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**405.12 - Formation of  
 a multi-thread  
 prominence**

**Manuel Luna  
 Bennasar<sup>1</sup>, J. T.  
 Karpen<sup>2</sup>, C. R. DeVore<sup>3</sup>**  
<sup>1</sup>NASA/UMD/CRESST,  
<sup>2</sup>NASA, <sup>3</sup>Naval  
 Research Laboratory.

**SPD Poster Session**  
 405. Coronal Magnetic  
 Field  
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**401.04 - Formation of  
 Coronal Holes on the  
 Ashes of Active  
 Regions**

**Nina Karachik<sup>1</sup>, A.  
 Pevtsov<sup>1</sup>, V.  
 Abramenko<sup>2</sup>**  
<sup>1</sup>National Solar  
 Observatory, <sup>2</sup>Big Bear

**SPD Poster Session**  
 401. Solar Activity  
 Cycle and Magnetism  
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*Solar Observatory,  
New Jersey Institute of  
Technology.*

**404.15 - Free  
Magnetic Energy and  
Flare Productivity of  
Active Regions**

**Ju Jing**<sup>1</sup>, C. Tan<sup>2</sup>, Y.  
Yuan<sup>1</sup>, B. Wang<sup>3</sup>, T.  
Wiegelmann<sup>4</sup>, Y. Xu<sup>1</sup>,  
H. Wang<sup>1</sup>

<sup>1</sup>*New Jersey Institute  
of Technology, <sup>2</sup>IMSG  
Inc. & NOAA NESDIS  
STAR, <sup>3</sup>Livingston High  
School, <sup>4</sup>MPS,  
Germany.*

**SPD Poster Session**  
404. Flares  
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**405.10 - Geometric  
Model of a Coronal  
Cavity**

**Therese A. Kucera**<sup>1</sup>,  
S. E. Gibson<sup>2</sup>, D.  
Rastawicki<sup>3</sup>, J. Dove<sup>4</sup>,  
G. de Toma<sup>2</sup>, J. Hao<sup>5</sup>,  
H. S. Hudson<sup>6</sup>, C.  
Marque<sup>7</sup>, P. S.  
McIntosh<sup>8</sup>, K. K.  
Reeves<sup>9</sup>, D. J.  
Schmidt<sup>10</sup>, A. C.  
Sterling<sup>11</sup>, D. K.  
Tripathi<sup>12</sup>, D. R.  
Williams<sup>12</sup>, M. Zhang<sup>5</sup>

<sup>1</sup>*NASA/GSFC,*  
<sup>2</sup>*HAO/NCAR, <sup>3</sup>Franklin  
& Marshall College,*  
<sup>4</sup>*Metro State College of  
Denver, <sup>5</sup>NAOC/CAS,  
China, <sup>6</sup>UC Berkeley,*  
<sup>7</sup>*Royal Obs., Belgium,*

**SPD Poster Session**  
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<sup>8</sup>*HelioSynoptics, Inc,*

<sup>9</sup>*CfA,* <sup>10</sup>*U. Col.*

*Boulder,*

<sup>11</sup>*NASA/MSFC,*

<sup>12</sup>*MSSL, United Kingdom.*

**401.15 - Global Solar Magnetic Field Maps using ADAPT**

**Carl John Henney**<sup>1</sup>,  
C. N. Arge<sup>1</sup>, J. Koller<sup>2</sup>,  
W. A. Toussaint<sup>3</sup>, S.  
Young<sup>1</sup>, D.  
MacKenzie<sup>4</sup>, J. W.  
Harvey<sup>3</sup>  
<sup>1</sup>*AFRL,* <sup>2</sup>*LANL,* <sup>3</sup>*NSO,*  
<sup>4</sup>*AER, Inc..*

**SPD Poster Session**

401. Solar Activity Cycle and Magnetism  
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**406.04 - Gradual Inflation of Coronal Arcades Building up to Coronal Mass Ejections**

**Rui Liu**<sup>1</sup>, C. Liu<sup>1</sup>, S.  
Park<sup>1</sup>, H. Wang<sup>1</sup>  
<sup>1</sup>*New Jersey Institute of Technology.*

**SPD Poster Session**

406. Coronal Mass Ejections  
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**404.25 - Hard X-ray and UV Two-ribbon Flares**

**Jianxia Cheng**<sup>1</sup>, J.  
Qiu<sup>1</sup>  
<sup>1</sup>*Montana State University.*

**SPD Poster Session**

404. Flares  
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**404.05 - Hard X-ray Footpoint Source Sizes**

**Brian R. Dennis**<sup>1</sup>, E.  
P. Kontar<sup>2</sup>, A. A.  
Gopie<sup>3</sup>, A. K. Tolbert<sup>3</sup>,  
R. A. Schwartz<sup>4</sup>  
<sup>1</sup>*NASA GSFC,*  
<sup>2</sup>*Department of Physics and Astronomy,*  
*University of Glasgow,*  
*United Kingdom,* <sup>3</sup>*Wyle*

**SPD Poster Session**

404. Flares  
Wednesday, May 26,  
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*Information Systems at  
NASA GSFC, <sup>4</sup>The  
Catholic University of  
America at NASA  
GSFC.*

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| <input type="checkbox"/> <b>404.30 - Hard X-Ray Structure of Loop Footpoints in a Solar Limb Flare</b>          | <b>Eduard Kontar<sup>1</sup></b> , N. Jeffrey <sup>1</sup> , I. Hannah <sup>1</sup> , M. Battaglia <sup>1</sup><br><i><sup>1</sup>University of Glasgow, United Kingdom.</i>   | <b>SPD Poster Session</b><br>404. Flares<br>Wednesday, May 26,<br>2010 5:30 - 6:30 PM                                   |
| <input type="checkbox"/> <b>403.12 - Heating Of The Solar Chromosphere By Strong Damping Of Alfvén Waves</b>    | <b>Paul Song<sup>1</sup></b> , V. M. Vasyliunas <sup>1</sup><br><i><sup>1</sup>UMASS Lowell.</i>   | <b>SPD Poster Session</b><br>403. Chromosphere & Transition Region<br>Tuesday, May 25,<br>2010 4:30 - 6:30 PM           |
| <input type="checkbox"/> <b>402.04 - Helioseismic and Magnetic Imager Investigation on SDO - Current Status</b> | <b>Philip H. Scherrer<sup>1</sup></b> , HMI Team<br><i><sup>1</sup>Stanford Univ..</i>   | <b>SPD Poster Session</b><br>402. Solar Dynamics Observatory - First Results<br>Tuesday, May 25,<br>2010 4:30 - 6:30 PM |
| <input type="checkbox"/> <b>407.21 - HERSCHEL Sounding Rocket Mission Observations of the Helium Corona</b>     | <b>Jeffrey Newmark<sup>1</sup></b> , J. Moses <sup>2</sup> , E. Antonucci <sup>3</sup> , S. Fineschi <sup>3</sup> , L. Abbo <sup>3</sup> , D. Telloni <sup>3</sup> , F. Auchere <sup>4</sup> , N. Barbey <sup>4</sup> , M. Romoli <sup>5</sup><br><i><sup>1</sup>NASA, <sup>2</sup>Naval Research Lab, <sup>3</sup>Osservatorio Astronomico di Torino, Italy, <sup>4</sup>Institut d'Astrophysique Spatiale, France,</i> | <b>SPD Poster Session</b><br>407. Corona, Solar Wind and Heliosphere<br>Monday, May 24, 2010<br>5:30 - 6:30 PM          |

<sup>5</sup>*Università di Firenze,  
Italy.*

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| <input type="checkbox"/> <b>405.18 - High Spectral Resolution, Imaging X-ray Microcalorimeters for Solar Physics</b>                     | <b>Simon Bandler<sup>1</sup></b> , C. N. Bailey <sup>2</sup> , J. Bookbinder <sup>3</sup> , J. A. Chervenak <sup>2</sup> , E. Deluca <sup>3</sup> , M. E. Eckart <sup>2</sup> , F. M. Finkbeiner <sup>4</sup> , F. S. Porter <sup>2</sup> , C. A. Kilbourne <sup>2</sup> , R. L. Kelley <sup>2</sup> , J. E. Sadleir <sup>5</sup> , R. K. Smith <sup>3</sup> , S. J. Smith <sup>1</sup><br><sup>1</sup> <i>University of Maryland &amp; NASA/GSFC,</i><br><sup>2</sup> <i>NASA/GSFC,</i><br><sup>3</sup> <i>Smithsonian Astrophysical Observatory,</i> <sup>4</sup> <i>RSIS &amp; NASA/GSFC,</i><br><sup>5</sup> <i>University of Illinois &amp; NASA/GSFC.</i> | <b>SPD Poster Session</b><br>405. Coronal Magnetic Field<br>Wednesday, May 26, 2010 11:45 AM - 12:30 PM     |
| <input type="checkbox"/> <b>401.10 - High Velocity Horizontal Motions at the Edge of Sunspot Penumbrae</b>                               | <b>Hermance J. Hagenaar-Daggett<sup>1</sup></b> , R. Shine <sup>1</sup><br><sup>1</sup> <i>Lockheed Martin.</i>   | <b>SPD Poster Session</b><br>401. Solar Activity Cycle and Magnetism<br>Monday, May 24, 2010 5:30 - 6:30 PM |
| <input type="checkbox"/> <b>401.02 - High-Latitude Coronal Fe XIV Emission During the Long Minimum and its Implications for Cycle 24</b> | <b>Richard C. Altrock<sup>1</sup></b><br><sup>1</sup> <i>Air Force Research Lab..</i>   | <b>SPD Poster Session</b><br>401. Solar Activity Cycle and Magnetism<br>Monday, May 24, 2010 5:30 - 6:30 PM |

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| <input type="checkbox"/> <b>407.13 - Hinode XRT and EIS Multithermal Analysis of a Coronal Loop</b>   | <b>Joan T. Schmelz<sup>1</sup>, S. Saar<sup>2</sup>, V. Kashyap<sup>2</sup></b><br><sup>1</sup> <i>Univ. of Memphis,</i><br><sup>2</sup> <i>CfA.</i>              | <b>SPD Poster Session</b><br>407. Corona, Solar Wind and Heliosphere<br>Monday, May 24, 2010<br>5:30 - 6:30 PM       |
| <input type="checkbox"/> <b>402.05 - HMI Global Helioseismology Data Analysis Pipeline</b>  | <b>Timothy P. Larson<sup>1</sup>,</b><br>J. Schou <sup>1</sup><br><sup>1</sup> <i>Stanford University.</i>  | <b>SPD Poster Session</b><br>402. Solar Dynamics Observatory - First Results<br>Tuesday, May 25, 2010 4:30 - 6:30 PM |
| <input type="checkbox"/> <b>402.27 - Hot Coronal Plasma Seen by SDO/AIA and Hinode/XRT</b>  | <b>Edward E. DeLuca<sup>1</sup></b><br><sup>1</sup> <i>Harvard-Smithsonian, CfA.</i>  | <b>SPD Poster Session</b><br>402. Solar Dynamics Observatory - First Results<br>Tuesday, May 25, 2010 4:30 - 6:30 PM |
| <input type="checkbox"/> <b>406.21 - Icmc Event Lists For The Virtual Heliospheric Observatory: Details Of What Information Will Be Available And Examples Of Uses In Data Analysis</b> | <b>Alysha Reinard<sup>1</sup></b><br><sup>1</sup> <i>University of Colorado/NOAA.</i>   | <b>SPD Poster Session</b><br>406. Coronal Mass Ejections<br>Tuesday, May 25, 2010 4:30 - 6:30 PM                     |
| <input type="checkbox"/> <b>400.10 - Improving Leakage Matrix Calculation</b>   | <b>Timothy P. Larson<sup>1</sup>,</b><br>J. Schou <sup>1</sup><br><sup>1</sup> <i>Stanford University.</i>  | <b>SPD Poster Session</b><br>400. Solar and Stellar Interiors and Structure<br>Monday, May 24, 2010 5:30 - 6:30 PM   |
| <input type="checkbox"/> <b>404.22 - Inferring Nonthermal Particle Characteristics from Thermal Emission Signatures: Temperature</b>  | <b>Adam Kobelski<sup>1</sup>, H. Winter<sup>2</sup>, D. E. McKenzie<sup>1</sup></b><br><sup>1</sup> <i>Montana State University,</i> <sup>2</sup> <i>Harvard-</i> | <b>SPD Poster Session</b><br>404. Flares<br>Wednesday, May 26, 2010 5:30 - 6:30 PM                                   |

**Evolution**

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Astrophysics.*

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| <input type="checkbox"/> <b>402.34 - Initial Time-Distance Helioseismology Results from SDO/HMI. I.</b>                 | <b>Junwei Zhao<sup>1</sup></b> , S. Couvidat <sup>1</sup> , R. Bogart <sup>1</sup> , K. V. Parchevsky <sup>1</sup> , T. L. Duvall, Jr. <sup>2</sup> , A. G. Kosovichev <sup>1</sup> , J. G. Beck <sup>1</sup> , A. C. Birch <sup>3</sup><br><sup>1</sup> <i>Stanford Univ.,</i><br><sup>2</sup> <i>Goddard Space Flight Center,</i> <sup>3</sup> <i>Colorado Research Associates.</i> | <b>SPD Poster Session</b><br><b>402. Solar Dynamics Observatory - First Results</b><br>Tuesday, May 25,<br>2010 4:30 - 6:30 PM |
| <input type="checkbox"/> <b>402.35 - Initial Time-distance Helioseismology Results from SDO/HMI. II.</b>                | <b>Junwei Zhao<sup>1</sup></b> , S. Couvidat <sup>1</sup> , R. Bogart <sup>1</sup> , K. V. Parchevsky <sup>1</sup> , T. L. Duvall, Jr. <sup>2</sup> , A. G. Kosovichev <sup>1</sup> , J. G. Beck <sup>1</sup> , A. C. Birch <sup>3</sup><br><sup>1</sup> <i>Stanford Univ.,</i><br><sup>2</sup> <i>Goddard Space Flight Center,</i> <sup>3</sup> <i>Colorado Research Associates.</i> | <b>SPD Poster Session</b><br><b>402. Solar Dynamics Observatory - First Results</b><br>Tuesday, May 25,<br>2010 4:30 - 6:30 PM |
| <input type="checkbox"/> <b>406.09 - Instabilities of Current Carrying Torus</b>  | <b>Wenjuan Liu<sup>1</sup></b> , J. Qiu <sup>1</sup><br><sup>1</sup> <i>Montana State University.</i>   | <b>SPD Poster Session</b><br><b>406. Coronal Mass Ejections</b><br>Tuesday, May 25,<br>2010 4:30 - 6:30 PM                     |
| <input type="checkbox"/> <b>405.03 - Interpreting Small-Scale Structure from High Resolution Global MHD Simulations</b> | <b>Zoran Mikic<sup>1</sup></b> , V. S. Titov <sup>1</sup> , J. A. Linker <sup>1</sup> , R. Lionello <sup>1</sup> , P. Riley <sup>1</sup> , S. Antiochos <sup>2</sup>  | <b>SPD Poster Session</b><br><b>405. Coronal Magnetic Field</b><br>Wednesday, May 26,<br>2010 11:45 AM -                       |
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<sup>1</sup>Predictive Science,  
Inc., <sup>2</sup>NASA GSFC.

12:30 PM

**406.18 - Ion Charge  
States as Tests of  
Heating During  
Coronal Mass Ejection  
Eruptions**

**Cara E. Rakowski<sup>1</sup>, J.  
M. Laming<sup>1</sup>, M.  
Lyutikov<sup>2</sup>**  
<sup>1</sup>Naval Research  
Laboratory, <sup>2</sup>Purdue  
University.

**SPD Poster Session**  
406. Coronal Mass  
Ejections  
Tuesday, May 25,  
2010 4:30 - 6:30 PM

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Presentation		Session
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<sup>3</sup>Center for Astrophysics,  
SAO, <sup>4</sup>Dept. of Physics,  
Drexel University,  
<sup>5</sup>Predictive Science, Inc.,  
<sup>6</sup>Goddard Space Flight  
Center, NASA, <sup>7</sup>Naval  
Research Laboratory.

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| <input type="checkbox"/> <b><u>402.24 - JHelioviewer:<br/>Taming The Torrent Of<br/>SDO Data</u></b>                     | <b>Daniel Mueller</b> <sup>1</sup> , M.<br>Langenberg <sup>2</sup> , S. Pagel <sup>3</sup> ,<br>L. Schmidt <sup>4</sup> , J. P. Garcia<br>Ortiz <sup>5</sup> , G. Dimitoglou <sup>6</sup> ,<br>V. K. Hughitt <sup>7</sup> , J.<br>Ireland <sup>7</sup> , B. Fleck <sup>1</sup><br><sup>1</sup> European Space<br>Agency, <sup>2</sup> RWTH Aachen,<br>Germany, <sup>3</sup> University of<br>Applied Sciences (HTW)<br>Berlin, Germany,<br><sup>4</sup> University of<br>Cambridge, United<br>Kingdom, <sup>5</sup> University of<br>Almeria, Spain, <sup>6</sup> Hood<br>College, <sup>7</sup> ADNET<br>Systems. | <b><u>SPD Poster<br/>Session</u></b><br><b><u>402. Solar Dynamics<br/>Observatory - First<br/>Results</u></b><br><b><u>Tuesday, May 25,<br/>2010 4:30 - 6:30 PM</u></b> |
| <input type="checkbox"/> <b><u>406.25 - Kinematic<br/>Characterization Of<br/>In/out Pairs As Seen<br/>In Secchi</u></b> | <b>Katherine Baldwin</b> <sup>1</sup> , A.<br>Vourlidas <sup>1</sup> , M. Linton <sup>1</sup><br><sup>1</sup> US Naval Research<br>Laboratory.  | <b><u>SPD Poster<br/>Session</u></b><br><b><u>406. Coronal Mass<br/>Ejections</u></b><br><b><u>Tuesday, May 25,<br/>2010 4:30 - 6:30 PM</u></b>                         |
| <input type="checkbox"/> <b><u>400.04 - Limits on<br/>Energy, Momentum<br/>and Excitation</u></b>                        | <b>Alexander G.<br/>Kosovichev</b> <sup>1</sup><br><sup>1</sup> Stanford Univ   | <b><u>SPD Poster<br/>Session</u></b><br><b><u>400. Solar and</u></b>  |
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<b>Mechanism of Sunquakes</b>	<i>Stanford Univ.</i>	Stellar Interiors and Structure Monday, May 24, 2010 5:30 - 6:30 PM
<input type="checkbox"/> <b>406.17 - Low Ionization State Plasma in Coronal Mass Ejection (CME)</b>	<b>Jin-Yi Lee</b> <sup>1</sup> , J. C. Raymond <sup>1</sup> <i><sup>1</sup>Harvard-Smithsonian Center for Astrophysics.</i>	<b>SPD Poster Session</b> 406. Coronal Mass Ejections Tuesday, May 25, 2010 4:30 - 6:30 PM
<input type="checkbox"/> <b>406.24 - Magnetic Connectivity of the CME Event on December 31, 2007</b>	<b>Juan Carlos Martinez Oliveros</b> <sup>1</sup> , C. Raftery <sup>1</sup> , N. Agueda <sup>1</sup> , S. Krucker <sup>1</sup> , S. Bale <sup>1</sup> , C. Lindsey <sup>2</sup> <i><sup>1</sup>Space Sciences Laboratory, UC Berkeley, <sup>2</sup>CORA - NorthWest Research Associates.</i>	<b>SPD Poster Session</b> 406. Coronal Mass Ejections Tuesday, May 25, 2010 4:30 - 6:30 PM
<input type="checkbox"/> <b>406.08 - Magnetic Field Disturbance Produced by a Super-Sonic Toroidal Magnetic Cloud</b>	<b>Marek Vandas</b> <sup>1</sup> , E. Romashets <sup>2</sup> <i><sup>1</sup>Astronomical Institute, CAS, Czech Republic, <sup>2</sup>Prairie View A&amp;M University.</i>	<b>SPD Poster Session</b> 406. Coronal Mass Ejections Tuesday, May 25, 2010 4:30 - 6:30 PM
<input type="checkbox"/> <b>403.04 - Magnetohydrodynamic Turbulence and the First Ionization Potential (FIP) Effect</b>	<b>J. Martin Laming</b> <sup>1</sup> <i><sup>1</sup>NRL.</i>	<b>SPD Poster Session</b> 403. Chromosphere & Transition Region Tuesday, May 25, 2010 4:30 - 6:30 PM
<input type="checkbox"/> <b>400.03 - Meridional Flow Measurements from 15 Years of</b>	<b>John W. Leibacher</b> <sup>1</sup> , S. Kholikov <sup>1</sup> , F. Hill <sup>1</sup> <i><sup>1</sup>...</i>	<b>SPD Poster Session</b> 400. Solar and

<b>GONG Spherical Harmonic Time Series</b>	<i><sup>1</sup>National Solar Observatory.</i>	Stellar Interiors and Structure Monday, May 24, 2010 5:30 - 6:30 PM
<input type="checkbox"/> <b>403.05 - Modeling Iron Density Enhancements In The Corona</b>	<b>Hanne Sigrun Byhring<sup>1</sup></b> , R. Esser <sup>1</sup> <i><sup>1</sup>University of Tromso, Norway.</i>	<b>SPD Poster Session</b> 403. Chromosphere & Transition Region Tuesday, May 25, 2010 4:30 - 6:30 PM
<input type="checkbox"/> <b>400.08 - Modeling the Near-Surface Shear Layer Through Coupled Simulations of Surface and Deep Convection</b>	<b>Kyle Augustson<sup>1</sup></b> , N. Hurlburt <sup>2</sup> , M. DeRosa <sup>2</sup> , J. Toomre <sup>1</sup> <i><sup>1</sup>JILA &amp; University of Colorado at Boulder, <sup>2</sup>Lockheed Martin Solar and Astrophysics Laboratory.</i>	<b>SPD Poster Session</b> 400. Solar and Stellar Interiors and Structure Monday, May 24, 2010 5:30 - 6:30 PM
<input type="checkbox"/> <b>402.30 - New Insights to Global Coronal EUV Waves: First Double Quadrature Observations by SDO/AIA and STEREO/EUVI</b>	<b>Wei Liu<sup>1</sup></b> , N. V. Nitta <sup>2</sup> , C. J. Schrijver <sup>2</sup> , A. M. Title <sup>2</sup> <i><sup>1</sup>Stanford-Lockheed Institute for Space Research, <sup>2</sup>Lockheed Martin Solar and Astrophysics Laboratory, Department ADBS.</i>	<b>SPD Poster Session</b> 402. Solar Dynamics Observatory - First Results Tuesday, May 25, 2010 4:30 - 6:30 PM
<input type="checkbox"/> <b>407.23 - Observations of a Sun-grazing Comet's Interaction with the Solar Corona</b>	<b>Claire Raftery<sup>1</sup></b> , J. C. Martinez Oliveros <sup>1</sup> , S. Krucker <sup>1</sup> <i><sup>1</sup>SSL, UC Berkeley.</i>	<b>SPD Poster Session</b> 407. Corona, Solar Wind and Heliosphere Monday, May 24, 2010 5:30 - 6:30 PM

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| <input type="checkbox"/> <b>402.33 - Observations of Emerging Active Regions and Sunspot Formation from SDO/HMI</b>                                | <b>Irina Kitiashvili<sup>1</sup></b> , A. G. Kosovichev <sup>1</sup> , N. N. Mansour <sup>2</sup> , A. A. Wray <sup>2</sup><br><sup>1</sup> <i>Stanford University,</i><br><sup>2</sup> <i>NASA Ames Research Center.</i>  | <b>SPD Poster Session</b><br>402. Solar Dynamics Observatory - First Results<br>Tuesday, May 25,<br>2010 4:30 - 6:30 PM |
| <input type="checkbox"/> <b>404.16 - Observing Solar Hard X-rays from Heliospheric Orbits</b>  | <b>Gordon J. Hurford<sup>1</sup></b> , A. Benz <sup>2</sup> , B. Dennis <sup>3</sup> , S. Krucker <sup>1</sup> , O. Limousin <sup>4</sup> , R. Lin <sup>1</sup> , N. Vilmer <sup>5</sup><br><sup>1</sup> <i>University of California, Berkeley,</i> <sup>2</sup> <i>ETH Zurich, Switzerland,</i><br><sup>3</sup> <i>NASA/GSFC,</i><br><sup>4</sup> <i>CEA/DSM/Irfu/Service d'Astrophysique, France,</i><br><sup>5</sup> <i>LESIA, Paris Observatory, France.</i> | <b>SPD Poster Session</b><br>404. Flares<br>Wednesday, May 26,<br>2010 5:30 - 6:30 PM                                   |
| <input type="checkbox"/> <b>404.33 - Observing the High Energy Sun with CGRO/COMPTEL</b>   | <b>C. Alex Young<sup>1</sup></b> , J. Ireland <sup>1</sup> , G. A. de Nolfo <sup>2</sup> , J. M. Ryan <sup>3</sup><br><sup>1</sup> <i>NASA's GSFC (ADNET),</i><br><sup>2</sup> <i>NASA's GSFC (UMBC),</i><br><sup>3</sup> <i>UNH.</i>  | <b>SPD Poster Session</b><br>404. Flares<br>Wednesday, May 26,<br>2010 5:30 - 6:30 PM                                   |
| <input type="checkbox"/> <b>403.09 - On the Origin of High-Frequency "Acoustic" Power in Photospheric and Chromospheric Velocity Power Spectra</b> | <b>Bernard Fleck<sup>1</sup></b> , T. Straus <sup>2</sup> , M. Carlsson <sup>3</sup> , S. M. Jefferies <sup>4</sup> , G. Severino <sup>2</sup> , T. D. Tarbell <sup>5</sup><br><sup>1</sup> <i>ESA Science Operations Department,</i> <sup>2</sup> <i>INAF/OAC, Italy,</i> <sup>3</sup> <i>ITA, Norway,</i>  | <b>SPD Poster Session</b><br>403. Chromosphere & Transition Region<br>Tuesday, May 25,<br>2010 4:30 - 6:30 PM           |

<sup>4</sup>Univ. Hawaii, <sup>5</sup>LMSAL.

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| <input type="checkbox"/> <b>404.09 - Partial Eruption and Shrinkage of Filaments during Solar Flares in New Solar Cycle</b>     | <b>Yan Xu<sup>1</sup></b> , R. Liu <sup>1</sup> , J. Jing <sup>1</sup> , H. Wang <sup>1</sup><br><sup>1</sup> New Jersey Institute of Tech..  | <b>SPD Poster Session</b><br>404. Flares<br>Wednesday, May 26, 2010 5:30 - 6:30 PM                                 |
| <input type="checkbox"/> <b>406.10 - Partial Torus Instability</b>  | <b>Oscar Olmedo<sup>1</sup></b> , J. Zhang <sup>1</sup><br><sup>1</sup> George Mason University.  | <b>SPD Poster Session</b><br>406. Coronal Mass Ejections<br>Tuesday, May 25, 2010 4:30 - 6:30 PM                   |
| <input type="checkbox"/> <b>404.20 - Patchy Reconnection in Solar Flare</b>   | <b>Mark Linton<sup>1</sup></b><br><sup>1</sup> NRL.   | <b>SPD Poster Session</b><br>404. Flares<br>Wednesday, May 26, 2010 5:30 - 6:30 PM                                 |
| <input type="checkbox"/> <b>400.14 - Photometric Variability of Solar-Type Stars in the Young Pleiades Open Cluster</b>         | <b>Mark S. Giampapa<sup>1</sup></b> , W. H. Sherry <sup>2</sup> , E. R. Craine <sup>3</sup><br><sup>1</sup> NSO, <sup>2</sup> NSO/NOAO, <sup>3</sup> GNAT, Inc..  | <b>SPD Poster Session</b><br>400. Solar and Stellar Interiors and Structure<br>Monday, May 24, 2010 5:30 - 6:30 PM |
| <input type="checkbox"/> <b>406.02 - Photospheric Magnetic Field Evolution in AR8038 with Homologous Coronal Mass Ejections</b> | <b>Yan Li<sup>1</sup></b> , B. J. Lynch <sup>1</sup> , B. T. Welsch <sup>1</sup> , G. A. Stenborg <sup>2</sup> , J. G. Luhmann <sup>1</sup> , G. H. Fisher <sup>1</sup> , Y. Liu <sup>3</sup> , R. W. Nightingale <sup>4</sup><br><sup>1</sup> UC, Berkeley, <sup>2</sup> interferometrics, Inc., <sup>3</sup> Stanford University, | <b>SPD Poster Session</b><br>406. Coronal Mass Ejections<br>Tuesday, May 25, 2010 4:30 - 6:30 PM                   |



<sup>4</sup>*Lockheed Martin  
Advanced Technology  
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| <input type="checkbox"/> <b>401.03 - Polar Chromospheric Signatures of the Subdued Cycle 23/24 Solar Minimum</b>                                | <b>N. Gopalswamy<sup>1</sup>, S. Yashiro<sup>1</sup>, P. Makela<sup>1</sup>, K. Shibasaki<sup>2</sup>, D. Hathaway<sup>3</sup></b><br><sup>1</sup> <i>NASA GSFC,</i><br><sup>2</sup> <i>Nobeyama Radio Observatory, Japan,</i><br><sup>3</sup> <i>NASA MSFC.</i>                              | <b>SPD Poster Session</b><br><b>401. Solar Activity Cycle and Magnetism</b><br><b>Monday, May 24,</b><br><b>2010 5:30 - 6:30 PM</b>    |
| <input type="checkbox"/> <b>403.01 - Prevalence And Temperature Dependence Of Ubiquitous High Speed Upflows In Transition Region And Corona</b> | <b>Bart De Pontieu<sup>1</sup>, S. McIntosh<sup>2</sup></b><br><sup>1</sup> <i>Lockheed Martin Solar &amp; Astrophysics Lab,</i><br><sup>2</sup> <i>High Altitude Observatory.</i>  | <b>SPD Poster Session</b><br><b>403. Chromosphere &amp; Transition Region</b><br><b>Tuesday, May 25,</b><br><b>2010 4:30 - 6:30 PM</b> |
| <input type="checkbox"/> <b>407.15 - Propagating Intensity Disturbances In Coronal Loops: Waves Or Flows?</b>                                   | <b>Tongjiang Wang<sup>1</sup>, L. Ofman<sup>1</sup>, J. M. Davila<sup>2</sup></b><br><sup>1</sup> <i>Catholic Univ of America / NASA GSFC,</i><br><sup>2</sup> <i>NASA GSFC.</i>  | <b>SPD Poster Session</b><br><b>407. Corona, Solar Wind and Heliosphere</b><br><b>Monday, May 24,</b><br><b>2010 5:30 - 6:30 PM</b>    |
| <input type="checkbox"/> <b>401.05 - Properties of the Solar Corona above a Polar Coronal Hole during the Recent Solar Minimum</b>              | <b>Michael Hahn<sup>1</sup>, E. Landi<sup>2</sup>, P. Bryans<sup>2</sup>, M. Miralles<sup>3</sup>, D. Savin<sup>1</sup></b><br><sup>1</sup> <i>Columbia University,</i><br><sup>2</sup> <i>US Naval Research Laboratory,</i> <sup>3</sup> <i>Harvard-Smithsonian Center for Astrophysics.</i> | <b>SPD Poster Session</b><br><b>401. Solar Activity Cycle and Magnetism</b><br><b>Monday, May 24,</b><br><b>2010 5:30 - 6:30 PM</b>    |

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| <input type="checkbox"/> <b>405.07 - Quantifying Separator Reconnection Between Emerging and Existing Active Regions</b>                             | <b>Anna Malanushenko<sup>1</sup></b> ,<br>D. W. Longcope <sup>1</sup> , D. E. McKenzie <sup>1</sup> , M. H. Yusuf <sup>2</sup><br><sup>1</sup> MSU, <sup>2</sup> Berea College.   | <b>SPD Poster Session</b><br>405. Coronal Magnetic Field<br>Wednesday, May 26, 2010 11:45 AM - 12:30 PM            |
| <input type="checkbox"/> <b>400.12 - Radiative Hydrodynamic Simulations of Turbulent Convection and Oscillations from Solar-Type to A-Type Stars</b> | <b>Irina Kitiashvili<sup>1</sup></b> , A. G. Kosovichev <sup>1</sup> , H. Saio <sup>2</sup> , H. Shibahashi <sup>3</sup> , A. A. Wray <sup>4</sup> , N. N. Mansour <sup>4</sup><br><sup>1</sup> Stanford University, <sup>2</sup> Tohoku University, Japan, <sup>3</sup> Tokyo University, Japan, <sup>4</sup> NASA Ames Research Center. | <b>SPD Poster Session</b><br>400. Solar and Stellar Interiors and Structure<br>Monday, May 24, 2010 5:30 - 6:30 PM |
| <input type="checkbox"/> <b>404.13 - Rapid Sunspot Displacement Associated with Solar Eruptions</b>  | <b>Chang Liu<sup>1</sup></b> , N. Deng <sup>2</sup> , H. Wang <sup>1</sup><br><sup>1</sup> New Jersey Institute of Technology, <sup>2</sup> California State University Northridge & New Jersey Institute of Technology.  | <b>SPD Poster Session</b><br>404. Flares<br>Wednesday, May 26, 2010 5:30 - 6:30 PM                                 |
| <input type="checkbox"/> <b>400.09 - Ray-Path and Born Kernels for SDO Time-Distance Helioseismology Pipeline</b>                                    | <b>Konstantin Parchevsky<sup>1</sup></b> , A. Birch <sup>2</sup> , A. Kosovichev <sup>1</sup> , S. Couvidat <sup>1</sup> , T. Duvall, Jr <sup>3</sup> , J. Zhao <sup>1</sup><br><sup>1</sup> Stanford University, <sup>2</sup> CoRA, <sup>3</sup> NASA/GSFC.  | <b>SPD Poster Session</b><br>400. Solar and Stellar Interiors and Structure<br>Monday, May 24, 2010 5:30 - 6:30 PM |
| <input type="checkbox"/> <b>406.05 - Reconnection Onset in the Breakout Model for CME</b>  | <b>Judith T. Karpen<sup>1</sup></b> , C. R. DeVore <sup>2</sup> , S. K. ...   | <b>SPD Poster Session</b><br>406. Coronal Mass   |

<b><u>Initiation</u></b>	Antiochos <sup>1</sup> <sup>1</sup> NASA Goddard Spaceflight Center, <sup>2</sup> Naval Research Laboratory.	<b><u>Ejections</u></b> Tuesday, May 25, 2010 4:30 - 6:30 PM
<input type="checkbox"/> <b><u>404.23 - Reconnection Outflows and Current Sheet Observed with Hinode/XRT in the April 9 2008 "Cartwheel CME" Flare</u></b>	<b>Sabrina Savage<sup>1</sup></b> , D. E. McKenzie <sup>1</sup> , K. K. Reeves <sup>2</sup> , T. G. Forbes <sup>3</sup> , D. W. Longcope <sup>1</sup> <sup>1</sup> Montana State University, <sup>2</sup> Harvard-Smithsonian Center for Astrophysics, <sup>3</sup> University of New Hampshire.	<b><u>SPD Poster Session</u></b> 404. Flares Wednesday, May 26, 2010 5:30 - 6:30 PM
<input type="checkbox"/> <b><u>406.16 - Scientific Revelations Using Heliospheric Imager Observations of Coronal Mass Ejections</u></b>	<b>Timothy A. Howard<sup>1</sup></b> , C. DeForest <sup>1</sup> , J. Tappin <sup>2</sup> <sup>1</sup> Southwest Research Inst., <sup>2</sup> National Solar Observatory.	<b><u>SPD Poster Session</u></b> 406. Coronal Mass Ejections Tuesday, May 25, 2010 4:30 - 6:30 PM
<input type="checkbox"/> <b><u>402.18 - SDO Data Access Via The Virtual Solar Observatory</u></b>	<b>Frank Hill<sup>1</sup></b> , J. Gurman <sup>2</sup> , P. Martens <sup>3</sup> , R. Bogart <sup>4</sup> , A. Davey <sup>5</sup> , J. Hourcle <sup>2</sup> , F. Suarez Sola <sup>1</sup> , K. Hughitt <sup>2</sup> , J. Spencer <sup>4</sup> , K. Reardon <sup>6</sup> , A. Amezcua <sup>4</sup> <sup>1</sup> National Solar Obs., <sup>2</sup> NASA/GSFC, <sup>3</sup> Montana State University, <sup>4</sup> Stanford University, <sup>5</sup> Harvard-Smithsonian Center for Astrophysics,	<b><u>SPD Poster Session</u></b> 402. Solar Dynamics Observatory - First Results Tuesday, May 25, 2010 4:30 - 6:30 PM

<sup>6</sup>*Osservatorio Astrofisico  
di Arcetri, Italy.*

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| <input type="checkbox"/> <b>402.21 - SDO Data Distribution And Access With VSO</b>   | <b>Alisdair R. Davey<sup>1</sup></b> , A. Amezcua <sup>2</sup> , R. Bogart <sup>2</sup> , J. Hourcle <sup>3</sup> , J. Spencer <sup>2</sup> , I. Suarez Sola <sup>4</sup> , VSO Team<br><i><sup>1</sup>SAO, <sup>2</sup>Stanford, <sup>3</sup>NASA/GSFC, <sup>4</sup>NSO.</i>   | <b>SPD Poster Session</b><br>402. Solar Dynamics Observatory - First Results<br>Tuesday, May 25, 2010 4:30 - 6:30 PM |
| <input type="checkbox"/> <b>407.16 - Search for 1-Hz Coronal-Loop Oscillations at the 2008 and 2009 Total Eclipses</b>                                   | <b>Jay M. Pasachoff<sup>1</sup></b> , B. A. Babcock <sup>1</sup> , K. DuPré <sup>1</sup> , J. Kern <sup>2</sup> , A. Nesterenko <sup>3</sup> , I. Nesterenko <sup>4</sup><br><i><sup>1</sup>Williams College, <sup>2</sup>OCIW, <sup>3</sup>State University of Novosibirsk, Russian Federation, <sup>4</sup>Budker Inst. Nuc. Phys., Russian Akad. Sci., Russian Federation.</i> | <b>SPD Poster Session</b><br>407. Corona, Solar Wind and Heliosphere<br>Monday, May 24, 2010 5:30 - 6:30 PM          |
| <input type="checkbox"/> <b>404.35 - Search for Heliospheric Electrons and Protons from the Decay of Solar Flare Neutrons over Solar Cycle 23</b>        | <b>Neus Agueda<sup>1</sup></b> , S. Krucker <sup>1</sup> , R. P. Lin <sup>1</sup> , L. Wang <sup>1</sup> , D. E. Larson <sup>1</sup><br><i><sup>1</sup>Space Sciences Laboratory, UC Berkeley.</i>  | <b>SPD Poster Session</b><br>404. Flares<br>Wednesday, May 26, 2010 5:30 - 6:30 PM                                   |
| <input type="checkbox"/> <b>406.03 - Sheath Flows and Reconnection in the Lower Corona: New Diagnostics for the Initial Orientation of the Ejecta of</b> | <b>Merav Opher<sup>1</sup></b> , R. M. Evans <sup>1</sup><br><i><sup>1</sup>George Mason University.</i>  | <b>SPD Poster Session</b><br>406. Coronal Mass Ejections<br>Tuesday, May 25, 2010 4:30 - 6:30 PM                     |

## **Coronal Mass Ejections**

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| <input type="checkbox"/> <b><u>403.11 - SMART Analysis Of A He II Explosive Event Observed With MOSES</u></b>                              | <b>Lewis Fox<sup>1</sup></b> , C. C. Kankelborg <sup>1</sup> , R. J. Thomas <sup>2</sup><br><sup>1</sup> Montana State University, <sup>2</sup> Goddard Space Flight Center.  | <b><u>SPD Poster Session</u></b><br>403. Chromosphere & Transition Region<br>Tuesday, May 25, 2010 4:30 - 6:30 PM           |
| <input type="checkbox"/> <b><u>404.10 - Solar Filament Extraction and Characterizing</u></b>   | <b>Yuan Yuan<sup>1</sup></b> , F. Y. Shih <sup>1</sup> , J. Jing <sup>1</sup> , H. Wang <sup>1</sup><br><sup>1</sup> New Jersey Institute of Technology.  | <b><u>SPD Poster Session</u></b><br>404. Flares<br>Wednesday, May 26, 2010 5:30 - 6:30 PM                                   |
| <input type="checkbox"/> <b><u>402.25 - Solar Mashups: Interacting With, Extending, And Embedding Helioviewer.org And Jhelioviewer</u></b> | <b>V. Keith Hughitt<sup>1</sup></b> , J. Ireland <sup>1</sup> , D. Müller <sup>2</sup> , M. Langenberg <sup>2</sup> , S. Pagel <sup>2</sup> , L. Schmidt <sup>3</sup> , J. Harper <sup>4</sup> , G. Dimitoglou <sup>5</sup> , B. Fleck <sup>2</sup><br><sup>1</sup> ADNET Systems, NASA GSFC, <sup>2</sup> European Space Agency, NASA GSFC, <sup>3</sup> University of Cambridge,, United Kingdom, <sup>4</sup> Mississippi State University, <sup>5</sup> Hood College. | <b><u>SPD Poster Session</u></b><br>402. Solar Dynamics Observatory - First Results<br>Tuesday, May 25, 2010 4:30 - 6:30 PM |
| <input type="checkbox"/> <b><u>403.03 - Solar Polar Spicules Observed with Hinode</u></b>  | <b>Alphonse C. Sterling<sup>1</sup></b> , R. L. Moore <sup>1</sup> , C. E. DeForest <sup>2</sup><br><sup>1</sup> NASA's MSFC,   | <b><u>SPD Poster Session</u></b><br>403. Chromosphere & Transition Region<br>Tuesday, May 25,                               |

- <sup>2</sup>Southwest Research Institute.* 2010 4:30 - 6:30 PM
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- 402.28 - Solar Storms and Cycles: Explored with SDO and Topology** **Henrik Lundstedt<sup>1</sup>, J. Chen<sup>1</sup>, T. Persson<sup>2</sup>**  
*<sup>1</sup>Swedish Institute of Space Physics, Sweden, <sup>2</sup>Polish Academy of Sciences, Poland.* **SPD Poster Session**  
 402. Solar Dynamics Observatory - First Results  
 Tuesday, May 25, 2010 4:30 - 6:30 PM
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- SPD Program Chair** **J. Todd Hoeksema<sup>1</sup>**  
*<sup>1</sup>Stanford Univ..* **SPD Poster Session**  
 . Poster Viewing  
 Monday, May 24, 2010 9:00 AM - 6:30 PM
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- 404.37 - Statistics Of Solar Flares Hard X-ray Spectra Using RHESSI.** **Meriem Alaoui<sup>1</sup>, S. Krucker<sup>1</sup>, P. Saint-Hilaire<sup>1</sup>, R. P. Lin<sup>1</sup>**  
*<sup>1</sup>Space Sciences Laboratory.* **SPD Poster Session**  
 404. Flares  
 Wednesday, May 26, 2010 5:30 - 6:30 PM
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- 407.11 - Steady Heating Model of an Active Region Core** **Amy R. Winebarger<sup>1</sup>, J. T. Schmelz<sup>2</sup>, S. H. Saar<sup>3</sup>, V. L. Kashyap<sup>3</sup>, H. P. Warren<sup>4</sup>**  
*<sup>1</sup>Alabama A&M Univ., <sup>2</sup>University of Memphis, <sup>3</sup>Smithsonian Astrophysical Observatory, <sup>4</sup>Naval Research Laboratory.* **SPD Poster Session**  
 407. Corona, Solar Wind and Heliosphere  
 Monday, May 24, 2010 5:30 - 6:30 PM
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- 406.01 - Strong Rotation Of An Erupting Quiescent** **William T. Thompson<sup>1</sup>**  
*<sup>1</sup>Adnet Systems Inc., NASA/GSFC* **SPD Poster Session**  
 406. Coronal Mass

<b><u>Polar Crown Prominence</u></b>	NASA/GSFC	<b><u>Ejections</u></b> Tuesday, May 25, 2010 4:30 - 6:30 PM
<input type="checkbox"/> <b><u>406.07 - Structural Analysis of the Coronal Magnetic Field</u></b>	<b>Viacheslav Titov<sup>1</sup></b> , Z. Mikic <sup>1</sup> , J. Linker <sup>1</sup> , R. Lionello <sup>1</sup> <i><sup>1</sup>Predictive Science, Inc..</i>	<b><u>SPD Poster Session</u></b> 406. Coronal Mass Ejections Tuesday, May 25, 2010 4:30 - 6:30 PM
<input type="checkbox"/> <b><u>404.12 - Study of Sunspot Motion and Flow Fields Associated with the 2006 December 13 X3.4 Flare</u></b>	<b>Shuo Wang<sup>1</sup></b> , C. Liu <sup>1</sup> , H. Wang <sup>1</sup> <i><sup>1</sup>New Jersey Institute of Technology.</i>	<b><u>SPD Poster Session</u></b> 404. Flares Wednesday, May 26, 2010 5:30 - 6:30 PM
<input type="checkbox"/> <b><u>405.05 - Sunspot Rotation and Flux Rope Formation in Emerging Active Regions</u></b>	<b>Yuhong Fan<sup>1</sup></b> <i><sup>1</sup>HAO/NCAR.</i>	<b><u>SPD Poster Session</u></b> 405. Coronal Magnetic Field Wednesday, May 26, 2010 11:45 AM - 12:30 PM
<input type="checkbox"/> <b><u>400.02 - Supergranulation in the Polar Regions Observed by Hinode/SOT</u></b>	<b>Kaori Nagashima<sup>1</sup></b> , J. Zhao <sup>2</sup> , A. Kosovichev <sup>2</sup> , T. Sekii <sup>3</sup> <i><sup>1</sup>Graduate University for Advanced Studies, Japan, <sup>2</sup>Stanford University, <sup>3</sup>National Astronomical Observatory of Japan, Japan.</i>	<b><u>SPD Poster Session</u></b> 400. Solar and Stellar Interiors and Structure Monday, May 24, 2010 5:30 - 6:30 PM
<input type="checkbox"/> <b><u>401.07 - Supergranule variability in Mt. Wilson Ca II K images</u></b>	<b>Rachel Hock<sup>1</sup></b> , F. G. Eparvier <sup>1</sup> , S. W.	<b><u>SPD Poster Session</u></b> 401. Solar Activity

**Wilson Ca II K Images**

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|  | <p>McIntosh<sup>2</sup>, M. P. Rast<sup>1</sup><br/> <sup>1</sup>University of Colorado<br/> LASP, <sup>2</sup>High Altitude<br/> Observatory, National<br/> Center for Atmospheric<br/> Research.</p>                          | <p><b>401. Solar Activity<br/> Cycle and Magnetism</b><br/> Monday, May 24,<br/> 2010 5:30 - 6:30 PM</p>  |
| <p><input type="checkbox"/> <b>407.19 - Surface<br/> Alfven Wave<br/> Contribution to<br/> Coronal Heating in a<br/> Wave-Driven Solar<br/> Wind Model</b></p> | <p><b>Rebekah M. Evans<sup>1</sup></b>, M.<br/> Opher<sup>1</sup>, R. Oran<sup>2</sup>, I. V.<br/> Sokolov<sup>2</sup><br/> <sup>1</sup>George Mason<br/> University, <sup>2</sup>University of<br/> Michigan.</p>              | <p><b>SPD Poster<br/> Session</b><br/> 407. Corona, Solar<br/> Wind and<br/> Heliosphere<br/> Monday, May 24,<br/> 2010 5:30 - 6:30 PM</p>          |
| <p><input type="checkbox"/> <b>406.13 - Sympathetic<br/> Coronal Mass<br/> Ejections Originating<br/> in Complex Source<br/> Regions</b></p>                   | <p><b>C. Richard DeVore<sup>1</sup></b>, S.<br/> K. Antiochos<sup>2</sup><br/> <sup>1</sup>NRL, <sup>2</sup>NASA GSFC.</p>  | <p><b>SPD Poster<br/> Session</b><br/> 406. Coronal Mass<br/> Ejections<br/> Tuesday, May 25,<br/> 2010 4:30 - 6:30 PM</p>                          |
| <p><input type="checkbox"/> <b>402.03 - Testing<br/> Atomic Data for the<br/> SDO AIA and EVE<br/> Missions</b></p>  | <p><b>Paola Testa<sup>1</sup></b>, E.<br/> Landi<sup>2</sup>, J. Drake<sup>1</sup><br/> <sup>1</sup>Smithsonian<br/> Astrophysical<br/> Observatory, <sup>2</sup>Naval<br/> Research Laboratory.</p>                            | <p><b>SPD Poster<br/> Session</b><br/> 402. Solar Dynamics<br/> Observatory - First<br/> Results<br/> Tuesday, May 25,<br/> 2010 4:30 - 6:30 PM</p> |
| <p><input type="checkbox"/> <b>400.01 - Testing<br/> Time-Distance<br/> Inversions for<br/> Supergranular Flows<br/> Using Synthetic Data</b></p>              | <p><b>Daniel Dombroski<sup>1</sup></b>, A.<br/> Birch<sup>1</sup>, S. Hanasoge<sup>2</sup><br/> <sup>1</sup>NWRA, CoRA Division,<br/> <sup>2</sup>Max-Planck-Institut-fu-<br/> r-<br/> Sonnensystemforschung,<br/> Germany.</p> | <p><b>SPD Poster<br/> Session</b><br/> 400. Solar and<br/> Stellar Interiors and<br/> Structure<br/> Monday, May 24,<br/> 2010 5:30 - 6:30 PM</p>   |
| <p><input type="checkbox"/> <b>400.06 - Tests of</b></p>   | <p><b>Aaron Birch<sup>1</sup></b>, D.</p>   | <p><b>SPD Poster</b></p>  |



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| <b>Helioseismic Holography Sound-Speed Inversions Using Synthetic Data</b>   | Braun <sup>1</sup> , A. Crouch <sup>1</sup> , K. Parchevsky <sup>2</sup> , A. Kosovichev <sup>2</sup><br><i><sup>1</sup>NWRA / CoRA Div.,<br/><sup>2</sup>Stanford University, HEPL.</i>   | <b>Session</b><br>400. Solar and Stellar Interiors and Structure<br>Monday, May 24,<br>2010 5:30 - 6:30 PM              |
| <input type="checkbox"/> <b>402.32 - The "Sigmoid Sniffer" and the "Advanced Automated Solar Filament Detection and Characterization Code" Modules</b> | <b>Noureddine Raouafi<sup>1</sup></b> , P. N. Bernasconi <sup>1</sup> , M. K. Georgoulis <sup>2</sup><br><i><sup>1</sup>Johns Hopkins University Applied Physics Laboratory,<br/><sup>2</sup>Research Center for Astronomy &amp; Applied Mathematics - Academy of Athens, Greece.</i>  | <b>SPD Poster Session</b><br>402. Solar Dynamics Observatory - First Results<br>Tuesday, May 25,<br>2010 4:30 - 6:30 PM |
| <input type="checkbox"/> <b>405.01 - The 3D Coronal Electron Density Based on STEREO/COR1 Observations for the Year of 2008</b>                        | <b>Maxim Kramar<sup>1</sup></b> , J. Davila <sup>2</sup> , H. Xie <sup>1</sup> , D. Lamb <sup>1</sup> , B. Inhester <sup>3</sup><br><i><sup>1</sup>The Catholic University of America, <sup>2</sup>NASA-GSFC, <sup>3</sup>Max-Planck Institute for Solar System Research, Germany.</i> | <b>SPD Poster Session</b><br>405. Coronal Magnetic Field<br>Wednesday, May 26,<br>2010 11:45 AM - 12:30 PM              |
| <input type="checkbox"/> <b>407.02 - The Cubesat Heliospheric Imaging Experiment for Space Weather Prediction</b>                                      | <b>Craig DeForest<sup>1</sup></b> , T. Howard <sup>1</sup> , J. Dickinson <sup>1</sup> , M. Epperly <sup>1</sup> , C. Kief <sup>2</sup><br><i><sup>1</sup>Southwest Research Inst., <sup>2</sup>COSMIAC.</i>   | <b>SPD Poster Session</b><br>407. Corona, Solar Wind and Heliosphere<br>Monday, May 24,<br>2010 5:30 - 6:30 PM          |
| <input type="checkbox"/> <b>406.06 - The Energy</b>  | <b>Nicholas Arnold</b>   | <b>SPD Poster</b>   |

<b><u>Budget and Plasma Heating Rates of a Coronal Mass Ejection</u></b>	<b>Murphy<sup>1</sup></b> , J. C. Raymond <sup>1</sup> , K. E. Korreck <sup>1</sup> <i><sup>1</sup>Harvard-Smithsonian Center for Astrophysics.</i>	<b>Session</b> 406. Coronal Mass Ejections Tuesday, May 25, 2010 4:30 - 6:30 PM
<input type="checkbox"/> <b><u>406.22 - The Global Context of Solar Activity During the Whole Heliosphere Interval Campaign</u></b>	<b>David F. Webb<sup>1</sup></b> <i><sup>1</sup>Boston College.</i>	<b>SPD Poster Session</b> 406. Coronal Mass Ejections Tuesday, May 25, 2010 4:30 - 6:30 PM
<input type="checkbox"/> <b><u>402.23 - The Helioviewer Project: Browsing, Visualizing and Accessing Petabytes of Solar Data</u></b>	<b>Daniel Mueller<sup>1</sup></b> , V. K. Hughitt <sup>2</sup> , M. Langenberg <sup>3</sup> , J. Ireland <sup>2</sup> , S. Pagel <sup>4</sup> , L. Schmidt <sup>5</sup> , J. P. Garcia Ortiz <sup>6</sup> , G. Dimitoglou <sup>7</sup> , B. Fleck <sup>1</sup> <i><sup>1</sup>European Space Agency, <sup>2</sup>ADNET Systems, <sup>3</sup>RWTH Aachen, Germany, <sup>4</sup>University of Applied Sciences (HTW) Berlin, Germany, <sup>5</sup>University of Cambridge, United Kingdom, <sup>6</sup>University of Almeria, Spain, <sup>7</sup>Hood College.</i>	<b>SPD Poster Session</b> 402. Solar Dynamics Observatory - First Results Tuesday, May 25, 2010 4:30 - 6:30 PM
<input type="checkbox"/> <b><u>404.27 - The Luminosity of Solar Flares and its Relation to the Solar Wind</u></b>	<b>Roderick Gray<sup>1</sup></b> , K. Korreck <sup>2</sup> <i><sup>1</sup>Alabama A&amp;M University, <sup>2</sup>Harvard-</i>	<b>SPD Poster Session</b> 404. Flares Wednesday, May 26, 2010 5:30 - 6:30 PM

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Astrophysics.

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| <input type="checkbox"/> <b>402.16 - The Magnetic Field of the Quiet Sun Regions From HMI, for Better Input to the Global Models</b>  | <b>Keiji Hayashi<sup>1</sup></b><br><sup>1</sup> Stanford University.  | <b>SPD Poster Session</b><br>402. Solar Dynamics Observatory - First Results<br>Tuesday, May 25, 2010 4:30 - 6:30 PM |
| <input type="checkbox"/> <b>407.09 - The Observation and Modeling of High Temperature Active Region Emission with Hinode</b>          | <b>Harry Warren<sup>1</sup></b> , D. H. Brooks <sup>1</sup> , A. R. Winebarger <sup>2</sup><br><sup>1</sup> Naval Research Lab.,<br><sup>2</sup> AAMU.   | <b>SPD Poster Session</b><br>407. Corona, Solar Wind and Heliosphere<br>Monday, May 24, 2010 5:30 - 6:30 PM          |
| <input type="checkbox"/> <b>404.08 - The Probability for Two Distinct High-Temperature Components in the 23-July-2002 Solar Flare</b> | <b>James McTiernan<sup>1</sup></b> , A. Caspi <sup>1</sup><br><sup>1</sup> UC, Berkeley.   | <b>SPD Poster Session</b><br>404. Flares<br>Wednesday, May 26, 2010 5:30 - 6:30 PM                                   |
| <input type="checkbox"/> <b>403.08 - The Relationship Among Magnetic Field Configuration, Penumbral Size, and Evershed Flow Speed</b> | <b>Na Deng<sup>1</sup></b> , T. Shimizu <sup>2</sup> , D. Choudhary <sup>1</sup><br><sup>1</sup> California State Univ. Northridge, <sup>2</sup> Institute of Space and Astronautical Science, Japan<br>Aerospace Exploration Agency (ISAS/JAXA), Japan. | <b>SPD Poster Session</b><br>403. Chromosphere & Transition Region<br>Tuesday, May 25, 2010 4:30 - 6:30 PM           |
| <input type="checkbox"/> <b>402.08 - The SDO flare detective</b>  | <b>Paolo Grigis<sup>1</sup></b> , A. Davey <sup>1</sup> , P. Martens <sup>2</sup> , P.   | <b>SPD Poster Session</b><br>402. Solar Dynamics   |

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|   | <p>Testa<sup>1</sup>, R. Timmons<sup>3</sup>, Y. Su<sup>1</sup>, SDO Feature Finding Team<br/> <sup>1</sup>Smithsonian Astrophysical Observatory, <sup>2</sup>MSU, <sup>3</sup>Lockheed Martin.</p>   | <p><u>402. Solar Dynamics Observatory - First Results</u><br/>         Tuesday, May 25, 2010 4:30 - 6:30 PM</p>  |
| <p><input type="checkbox"/> <b><u>401.06 - The Solar Brightpoint Database: A Proxy For Supergranular and Small-Scale Dynamo Evolution?</u></b></p>          | <p><b>Scott W. McIntosh<sup>1</sup></b>, R. J. Markel<sup>1</sup>, L. Sitongia<sup>1</sup><br/> <sup>1</sup>National Center for Atmospheric Research.</p>   | <p><b><u>SPD Poster Session</u></b><br/>         401. Solar Activity Cycle and Magnetism<br/>         Monday, May 24, 2010 5:30 - 6:30 PM</p>          |
| <p><input type="checkbox"/> <b><u>402.01 - The Solar Dynamics Observatory (SDO) EUV Variability Experiment (EVE): Data Products and Data Access</u></b></p> | <p><b>Francis Eparvier<sup>1</sup></b>, T. N. Woods<sup>1</sup>, D. L. Woodraska<sup>1</sup>, D. Judge<sup>2</sup>, L. Didkovsky<sup>2</sup><br/> <sup>1</sup>CU-LASP, <sup>2</sup>USC.</p>   | <p><b><u>SPD Poster Session</u></b><br/>         402. Solar Dynamics Observatory - First Results<br/>         Tuesday, May 25, 2010 4:30 - 6:30 PM</p> |
| <p><input type="checkbox"/> <b><u>405.11 - Thermal Properties of Coronal Cavities as Observed by the X-Ray Telescope on Hinode</u></b></p>                  | <p><b>Kathy Reeves<sup>1</sup></b>, S. E. Gibson<sup>2</sup>, T. A. Kucera<sup>3</sup>, H. S. Hudson<sup>4</sup>, D. Tripathi<sup>5</sup><br/> <sup>1</sup>Harvard-Smithsonian, CfA, <sup>2</sup>High Altitude Observatory, <sup>3</sup>NASA/Goddard Space Flight Center, <sup>4</sup>University of California Berkeley, <sup>5</sup>University of Cambridge, United Kingdom.</p> | <p><b><u>SPD Poster Session</u></b><br/>         405. Coronal Magnetic Field<br/>         Wednesday, May 26, 2010 11:45 AM - 12:30 PM</p>              |
| <p><input type="checkbox"/> <b><u>407.17 - Three-</u></b></p>   | <p><b>Joachim Schmidt<sup>1</sup></b>, L.</p>   | <p><b><u>SPD Poster</u></b></p>  |

<b>dimensional MHD Modeling Of Waves In Active Regions: Comparison To Observations</b>	Ofman <sup>1</sup> <sup>1</sup> <i>Catholic University &amp; NASA Goddard Space Flight Center.</i>	<b>Session</b> 407. Corona, Solar Wind and Heliosphere Monday, May 24, 2010 5:30 - 6:30 PM
<input type="checkbox"/> <b>405.08 - Time Evolution of Coronal Magnetic Helicity in the Flaring Active Region NOAA 10930</b>	Sung-Hong Park <sup>1</sup> , J. Jing <sup>1</sup> , H. Wang <sup>1</sup> <sup>1</sup> <i>NJIT.</i>	<b>SPD Poster Session</b> 405. Coronal Magnetic Field Wednesday, May 26, 2010 11:45 AM - 12:30 PM
<input type="checkbox"/> <b>400.07 - Time-Distance Helioseismology Analysis of a Numerically Simulated Sunspot</b>	Efsthios Ilonidis <sup>1</sup> , J. Zhao <sup>1</sup> , A. Kosovichev <sup>1</sup> <sup>1</sup> <i>Stanford University.</i>	<b>SPD Poster Session</b> 400. Solar and Stellar Interiors and Structure Monday, May 24, 2010 5:30 - 6:30 PM
<input type="checkbox"/> <b>403.10 - Toward Building a Comprehensive H-alpha Database for Space Weather Research</b>	Chang Liu <sup>1</sup> , R. Liu <sup>1</sup> , Y. Xu <sup>1</sup> , H. Wang <sup>1</sup> <sup>1</sup> <i>New Jersey Institute of Technology.</i>	<b>SPD Poster Session</b> 403. Chromosphere & Transition Region Tuesday, May 25, 2010 4:30 - 6:30 PM
<input type="checkbox"/> <b>401.16 - Towards better Constrained Kinematic Dynamo Models: Turbulent Diffusivity and Diffusivity Quenching</b>	Andres Munoz-Jaramillo <sup>1</sup> , D. Nandy <sup>2</sup> , P. C. H. Martens <sup>1</sup> <sup>1</sup> <i>Montana State University,</i> <sup>2</sup> <i>Indian Institute of Science Education and Research - Kolkata, India.</i>	<b>SPD Poster Session</b> 401. Solar Activity Cycle and Magnetism Monday, May 24, 2010 5:30 - 6:30 PM
<input type="checkbox"/> <b>407.18 - Turbulent</b>	Rona Oran <sup>1</sup> , I. V.	<b>SPD Poster</b>

**Alfven Waves in the Solar Corona and Solar Wind: A Self Consistent 4D Global Model**

Sokolov<sup>1</sup>, B. Van Der Holst<sup>1</sup>, I. I. Roussev<sup>2</sup>, W. B. Manchester<sup>1</sup>, T. I. Gombosi<sup>1</sup>, Center for Space Environment Modeling

<sup>1</sup>University of Michigan,  
<sup>2</sup>University of Hawaii.

**Session**

407. Corona, Solar Wind and Heliosphere  
Monday, May 24,  
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**402.14 - Understanding Solar Eruptions with SDO/HMI Measuring Photospheric Flows, Testing Models, and Steps Towards Forecasting Solar Eruptions**

**Peter W. Schuck**<sup>1</sup>, M. Linton<sup>2</sup>, K. Muglach<sup>3</sup>, T. Hoeksema<sup>4</sup>  
<sup>1</sup>GSFC, <sup>2</sup>NRL,  
<sup>3</sup>Artep/GSFC, <sup>4</sup>Stanford University.

**SPD Poster Session**

402. Solar Dynamics Observatory - First Results  
Tuesday, May 25,  
2010 4:30 - 6:30 PM

**404.34 - Unusual Emissions at Various Energies and Coronal Mass Ejection Prior to the November 4, 2003 Large Solar Flare**

**Pierre Kaufmann**<sup>1</sup>, G. D. Holman<sup>2</sup>, Y. Su<sup>2</sup>, C. Gimenez de Castro<sup>3</sup>, E. Correia<sup>4</sup>, R. V. de Souza<sup>3</sup>, A. Marun<sup>5</sup>, P. Pereyra<sup>5</sup>  
<sup>1</sup>Universidade Presbiteriana Mackenzie and Unicamp, Brazil,  
<sup>2</sup>NASA/GSFC,  
<sup>3</sup>Universidade Presbiteriana Mackenzie, Brazil, <sup>4</sup>Universidade Presbiteriana Mackenzie and INPE, Brazil,  
<sup>5</sup>CONICET/CASLEO, Argentina.

**SPD Poster Session**

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|---|--|---|
| <input type="checkbox"/> <b>407.12 - Variability of Hot Plasma in Solar Active Regions.</b>                         | <b>Ignacio Ugarte-Urra<sup>1</sup>,</b><br>H. P. Warren <sup>2</sup><br><i><sup>1</sup>NRL / GMU, <sup>2</sup>NRL.</i>   | <b>SPD Poster Session</b><br>407. Corona, Solar Wind and Heliosphere<br>Monday, May 24,<br>2010 5:30 - 6:30 PM          |
| <input type="checkbox"/> <b>401.11 - Velocity and Magnetic Structure of Sunspot Umbral Dots</b>                     | <b>Debi Prasad Choudhary<sup>1</sup>,</b> G. A. MacDonald <sup>1</sup> , N. Deng <sup>1</sup> , T. Shimizu <sup>2</sup><br><i><sup>1</sup>California State Univ.,<br/> <sup>2</sup>Institute of Space and Astronautical Science, Japan Aerospace Exploration Agency, Japan.</i>  | <b>SPD Poster Session</b><br>401. Solar Activity Cycle and Magnetism<br>Monday, May 24,<br>2010 5:30 - 6:30 PM          |
| <input type="checkbox"/> <b>405.19 - VIA And Soho Observations Of Type I Noise Storms And Decimetric Pulsations</b> | <b>Robert F. Willson<sup>1</sup></b><br><i><sup>1</sup>Tufts Univ..</i>  | <b>SPD Poster Session</b><br>405. Coronal Magnetic Field<br>Wednesday, May 26,<br>2010 11:45 AM - 12:30 PM              |
| <input type="checkbox"/> <b>402.29 - What Do High-resolution EIT Waves Tell Us About CMes?</b>                      | <b>Barbara Thompson<sup>1</sup>,</b> D. A. Biesecker <sup>2</sup> , N. Nitta <sup>3</sup> , L. Ofman <sup>4</sup> , M. J. West <sup>5</sup><br><i><sup>1</sup>NASA, <sup>2</sup>NOAA SWPC,<br/> <sup>3</sup>LMSAL, <sup>4</sup>Catholic University of America,<br/> <sup>5</sup>Royal Observatory of Belgium, Belgium.</i> | <b>SPD Poster Session</b><br>402. Solar Dynamics Observatory - First Results<br>Tuesday, May 25,<br>2010 4:30 - 6:30 PM |
| <input type="checkbox"/> <b>404.32 - XRT and</b>  | <b>Alexander Enell<sup>1</sup>,</b> J.   | <b>SPD Poster</b>   |

**SphinX Joint Flare  
Study: AR 11024**

Sylwester<sup>2</sup>, M.  
Siarkowski<sup>2</sup>  
<sup>1</sup>SAO, <sup>2</sup>Polish Academy  
of Sciences, Poland.

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