

# 2016 SDO Workshop Agenda – Poster Sessions

(as of Oct. 13, 2016)

Poster breaks/sessions are scheduled for:

Mon., Oct. 17: 10:00 – 10:45 am, 3:30 – 4:15 pm  
Tue., Oct. 18: 10:00 – 10:45 am, 2:30 – 3:30 pm  
Wed., Oct. 19: 10:30 – 11:00 am, 2:45 – 3:45 pm  
Thur., Oct. 20: 10:15 – 11:30 am

**All posters will be on display all week.** Poster presenters are asked to stand by their poster during at least one of the specific poster breaks/sessions to answer questions. E-Posters are assigned a specific presentation time during the week, as shown on page 4.

## Traditional Poster Presentations:

### The Sun as a Star

- P-01**      **Allison Youngblood**      *M dwarf energetic proton flux on exoplanets during flares: estimates using solar UV-proton relations*
- P-02**      **Frank Eparvier**      *Extreme Ultraviolet Irradiance of the Early Sun*

### Space Weather at the Earth and Other Planets

- P-03**      **Frank Eparvier**      *The Extreme Ultraviolet Monitor (EUVM) on MAVEN: Observations of the EUV Irradiance from Mars*
- P-04 / E-1**      **Meng Jin**      *Data Constrained Coronal Mass Ejections in A Global Magnetohydrodynamics Model (E-Poster: Wed., 10:35 am)*
- P-05**      **Jonathan Darnel**      *EUV Cross-Calibration Strategies for the GOES-R SUVI*
- P-06**      **Leonid Didkovsky**      *How Calibration and Reference Spectra Affect the Accuracy of Absolute Soft X-ray Solar Irradiance Measured by the SDO/EVE/ESP During High Solar Activity*
- P-06.5**      **Don Woodraska**      *New EVE Data Products*
- P-07**      **Jack Ireland**      *What Would You Like to See Next from the Helioviewer Project?*

### Motions Near and Above the Solar Surface Captured in the SDO Era

- P-08 / E-2**      **Jack Ireland**      *AWARE - The Automated EUV Wave Analysis and REduction algorithm (E-Poster: Monday, 10:05 am)*
- P-9**      **Ruizhu Chen**      *A Survey of Sunquake Events in Solar Cycle 24*
- P-10**      **Michael Kirk**      *Estimating and Separating Noise from AIA Images*
- P-11**      **Wei Liu**      *Flare-associated Fast-mode Coronal Wave Trains Detected by SDO/AIA: Recent Observational Advances*
- P-12 / E-3**      **Judit Szente**      *Coronal response to EUV jets modeled with the Alfvén Wave Solar Model (E-Poster, Monday 10:25 am)*
- P-13**      **Aimee Norton**      *MHD Waves at Umbral-Penumbral Boundary Observed with Hinode/SOT-SP and SDO/HMI*

## The Evolution of Active Regions

P-14	Aimee Norton	<i>HMI Data Corrected for Stray Light Now Available</i>
P-15	Frédéric Auchère	<i>Thermal Non-Equilibrium Revealed by Periodic Pulses of Random Amplitudes in Solar Coronal Loops</i>
P-16	Frédéric Auchère	<i>Fourier and Wavelet Analysis of Coronal Time Series</i>
P-17 / E-4	Georgios Chintzoglou	<i>Investigation of the role of magnetic cancellation in triggering solar eruptions in NOAA AR12017 (E-Poster Wed., 2:50 pm)</i>
P-18	Nishu Karna	<i>On the Formation Mechanism of A Long-lived Polar Crown Cavity</i>
P-19 / E-5	Teresa Monsue	<i>Solar Acoustic Oscillations Observations in SDO AIA and HMI around AR 12192 (E-Poster: Wed., 3:15 pm)</i>
P-20	Peter Schuck	<i>Achieving Consistent Vector Magnetic Field Measurements from SDO/HMI</i>
P-21	Paul Wright	<i>Thermal Time Evolution of Non-Flaring Active Regions Determined by SDO/AIA</i>

## Atmospheric Dynamics and Sources of the Solar Wind

P-22 / E-6	Rachel O'Connor	<i>Space Oddities: The Search for Ephemeral Coronal Holes (E-Poster: Monday, 3:55 pm)</i>
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## Solar Magnetic Variability and the Solar Cycle

P-23	Luc Damé	<i>8 years of Solar Spectral Irradiance Variability Observed from the ISS with the SOLAR/SOLSPEC Instrument</i>
P-24	J. Todd Hoeksema	<i>Vector Magnetic Field Synoptic Maps from HMI</i>
P-25	J. Todd Hoeksema	<i>On-orbit Performance and Calibration of the HMI Instrument</i>
P-26	Shinsuke Imada	<i>Project for Solar-Terrestrial Environment Prediction (PSTEP): Towards Predicting Next Solar Cycle</i>
P-27 / E-7	Xudong Sun	<i>The Asymmetric Polar Field Reversal of Solar Cycle 24 (E-Poster: Thursday, 10:25 am)</i>
P-28	Leif Svalgaard	<i>Prediction of Cycle 25 based on Polar Fields</i>
P-29	Leif Svalgaard	<i>Validating the New Sunspot Series for the 18th Century</i>
P-30	Leif Svalgaard	<i>SDO-HMI Magnetic Field Matches the F10.7 Record</i>
P-31	Tongjiang Wang	<i>Evolution of 3D electron density of the solar corona from the minimum to maximum of Solar Cycle 24</i>
P-32 / E-8	David Webb	<i>Studies Using a Newly Digitized Archive of Global Solar Magnetic Field Patterns (E-Poster: Thursday, 11:00 am)</i>
P-33	Eric Buchlin	<i>The SDO AIA and HMI archive at MEDOC</i>

## Studies of Solar Eruptive Events (SEEs)

<b>P-34 / E-9</b>	<b>Eric Buchlin</b>	<i>Automated detection, characterization, and tracking of filaments from SDO data (E-Poster: Monday, 3:30 pm)</i>
<b>P34.5</b>	<b>Andrew Jones</b>	<i>Wavelength Temperature Models for EVE</i>
<b>P-35</b>	<b>Kyoung-Sun Lee</b>	<i>Quantitative estimation of the energy flux during an explosive chromospheric evaporation in a white light flare kernel observed by Hinode, IRIS, SDO, and RHESSI</i>
<b>P-36 / E-10</b>	<b>Yang Liu</b>	<i>Evolution and Distribution of Electric Currents in Solar Active Regions (E-Poster: Tuesday, 10 am)</i>
<b>P-37</b>	<b>David Long</b>	<i>Understanding the Physical Nature of Coronal "EIT Waves"</i>
<b>P-38 / E-11</b>	<b>Ryan Milligan</b>	<i>A Method For Finding Solar Flares Jointly Observed by Multiple Instruments (E-Poster: Tuesday 10:25 am)</i>
<b>P-39 / E-12</b>	<b>Karin Muglach</b>	<i>The Photospheric Footprints of Coronal Hole Jets (E-Poster, Tuesday: 2:35 pm)</i>
<b>P-40</b>	<b>Ian Richardson</b>	<i>Global Energetics of Solar Particle Events</i>
<b>P-41</b>	<b>Yang Su</b>	<i>Study of Plasma Heating in Solar Eruptive Events</i>
<b>P-42 / E-13</b>	<b>Ed Thiemann</b>	<i>Improving Flare Irradiance Models with the Low Pass Filter Relation Between EUV Flare Emissions with Differing Formation Temperatures (E-Poster: Tuesday, 3:05 pm)</i>
<b>P-43</b>	<b>Barbara Thompson</b>	<i>Interpreting Coronal Dimmings</i>
<b>P-44</b>	<b>Vadim Uritsky</b>	<i>Image-based reconstruction of the Newtonian dynamics of solar coronal ejecta</i>
<b>P-45</b>	<b>Marek Vandas</b>	<i>Shock-drift accelerated electrons and n-distribution</i>

## Motions Inside the Sun

<b>P-46</b>	<b>Tim Larson</b>	<i>The Effect of Image Apodization on Global Mode Parameters and Rotational Inversions</i>
<b>P-47</b>	<b>Phil Scherrer</b>	<i>HMI Measured Doppler Velocity Contamination from the SDO Orbit Velocity</i>
<b>P-48</b>	<b>Sushant Tripathy</b>	<i>Cross-Spectral Fitting of HMI Velocity and Intensity Data</i>
<b>P-49</b>	<b>Shea Hess Webber</b>	<i>Comparing Travel Times within a Coronal Hole to the Quiet Sun</i>

## E-Poster Presentation Schedule:

### Monday, Oct. 17

- 10:05 – 10:25 am **Jack Ireland:** *AWARE - The Automated EUV Wave Analysis and REduction algorithm (P-08)*
- 10:25 – 10:45 am **Judit Szente:** *Coronal response to EUV jets modeled with the Alfvén Wave Solar Model (P-12)*
- 3:30 – 3:50 pm **Eric Buchlin:** *Automated detection, characterization, and tracking of filaments from SDO data (P-34)*
- 3:55 – 4:15 pm **Rachel O'Connor:** *Space Oddities: The Search for Ephemeral Coronal Holes (P-22)*

### Tuesday, Oct. 18

- 10:00 – 10:20 am **Yang Liu:** *Evolution and Distribution of Electric Currents in Solar Active Regions (P-36)*
- 10:25 – 10:45 am **Ryan Milligan:** *A Method for Finding Solar Flares Jointly Observed by Multiple Instruments (P-38)*
- 2:35 – 2:55 pm **Karin Muglach:** *The Photospheric Footprints of Coronal Hole Jets (P-39)*
- 3:05 – 3:25 pm **Ed Thiemann:** *Improving Flare Irradiance Models with the Low Pass Filter Relation between EUV Flare Emissions with Differing Formation Temperatures (P-42)*

### Wednesday, Oct. 19

- 10:35 – 10:55 am **Meng Jin:** *Data Constrained Coronal Mass Ejections in a Global Magnetohydrodynamics Model (P-04)*
- 2:50 – 3:10 pm **Georgios Chintzoglou:** *Investigation of the role of magnetic cancellation in triggering solar eruptions in NOAA AR12017 (P-17)*
- 3:15 – 3:35 pm **Teresa Monsue:** *Solar Acoustic Oscillations Observations in SDO AIA and HMI around AR 12192 (P-19)*

### Thursday, Oct. 20

- 10:25 – 10:45 am **Xudong Sun:** *The Asymmetric Polar Field Reversal of Solar Cycle 24 (P-27)*
- 11:00 – 11:20 am **David Webb:** *Studies Using a Newly Digitized Archive of Global Solar Magnetic Field Patterns (P-32)*