

Space has been reserved on Thursday evening and Friday morning for mini-workshops, technical meetings and focus groups (please note change of time of CME Propagation mini-workshop to Thursday evening). The purpose of these sessions is to provide a forum for small groups to hold discussions and address topics that are not part of the scope of the main workshop.

The mini-workshops are available for any topic related the SDO mission, i.e. not just scientific research. If you are interested in holding a discussion or have suggestions for topics, please [contact us](#)

**Title:** [Early Career Scientist Night](#)

**Date/Time:** Tuesday, March 5 2013 19:30 - 22:00

**Description:** A [panel discussion consisting of professionals](#) representing different career paths, followed by networking event led by the [Student Organizing Committee](#)

. Attendance of the panel discussion is limited only to early career scientists (students and post-docs) but all are welcome to attend the networking event.

**Title:** *Advanced Image Processing and Feature Recognition*

**Date/Time:** Friday, March 8 10:45-12:45

**Chair:** C. Alex Young (NASA GSFC)

**Description:** This mini-workshop will focus on recent advances and new challenges in image processing, image enhancement, feature tracking and feature recognition. The discussion will include the "Computer Vision" automated feature recognition system developed for SDO and the SIPWork Solar Information Processing initiative.

**Title:** *Thermal Diagnostics and Temperature Mapping*

**Date/Time:** Friday, March 8, 8:30-10:30

**Chair:** Harry Warren (NRL)

**Description:** The thermal structure of the solar atmosphere holds important clues as to how the chromosphere, transition region, and corona are heated. This mini-workshop will focus on comparing different techniques for deriving temperature information from current solar instrumentation with an emphasis on SDO/AIA. The organizers will provide co-aligned data sets to test various algorithms.

**Title: *Vector Magnetography***

**Date/Time:** Friday, March 8, 10:45-12:45

**Chairs:** Yang Liu and Aimee Norton (Stanford)

**Description:** This workshop is intended to provide updates on several topics regarding the HMI vector magnetography. Speakers will address the current status of the vector magnetic field data products; provide a review of the inversion algorithm and its implementation in the pipeline; and lead the group through how the projection and coordinate systems are defined and implemented.

**Title: *Local Helioseismology Working Group***

**Date/Time:** Friday, March 8, 8:30-10:30

**Chairs:** Aaron Birch (MPS) & Matthias Rempel (HAO/UCAR)

**Description:** The main goal of this mini-workshop is to use the MURaM magneto-convection simulations of sunspots (e.g., Rempel 2011, ApJ 740, 15) to learn about local helioseismology in and around regions of strong magnetic fields. We will focus on the 48x48x8 Mm<sup>3</sup> and 48x48x16 Mm<sup>3</sup> simulations available at: [http://download.hao.ucar.edu/pub/rempel/sunspot\\_models/Helioseismology/](http://download.hao.ucar.edu/pub/rempel/sunspot_models/Helioseismology/)

Participants should aim to bring their analysis of these or other relevant simulations to the mini-workshop. Please contact the chairs with questions or suggestions.

**Title: *EUV Instrument Calibration & Data Intercomparisons***

**Date/Time:** Friday, March 8, 10:45-12:45

**Chair:** Andrew Jones (UCo/LASP)

**Description:** This workshop will build on the recent work to understand the absolute solar spectral EUV irradiance (and its variability). The workshop is open to everybody interested in this problem, and is a forum to discuss methods and results of the calibration of EUV irradiance instruments, how to correct for instrument degradation, and the intercomparison of EUV irradiance data from instruments with different temporal and spectral resolution.

This is part of an ongoing effort by an international group that started at a workshop at LASP in October 2011 ( <http://lasp.colorado.edu/galaxy/display/EUVWG/Agenda> ), and will continue under the auspices of the Solar Terrestrial Centre of Excellence.

**Title: *Flare Prediction***

**Date/Time:** Friday, March 8, 8:30-10:30

**Chair:** K. D. Leka and Graham Barnes (CoRA/NWRA)

**Description:** In this mini-workshop, we will discuss our present ability to forecast solar flares, and the potential improvements we can expect from using SDO data. The emphasis will be on quantitative comparisons of methods when applied to common data sets. This will be illustrated

by discussion of two workshops on flare forecasting, one held several years ago, and one scheduled for next month. Any participant who wishes to present his or her own perspective is encouraged to prepare a few slides to show at the workshop.

**Title:** *CME Propagation Workshop*

**Date/Time:** Thursday, March 7, 18:30 - 20:30

**Chair:** Leila Mays, David Webb & Yihua Zheng

**Description:** This mini-workshop will focus on any algorithms, models and techniques that use solar observations (in space and ground), and/or heliospheric imaging data and any other supplementary information to (better) predict ICME parameters (arrival time, duration, strength/geoeffectiveness) at Earth. Participants may present their methods for any space weather event in order to demonstrate techniques or discuss analysis challenges. In addition, several events will be chosen by the organizers, and participants will be encouraged to apply their techniques to these same events to facilitate inter-comparison. The discussion will drive towards understanding the relative strengths and differences between various methods, including applicability to near-real-time forecasting. We hope that such challenges will help us address questions about physics and tools needed to improve future real-time CME analysis and forecasting capacity. Participants can also present their methods on a different event for demonstration purposes. Optional selected events: Earth-directed CME events starting on 10 February 2012 (20:12UT), 12 July 2012 (16:54UT), or 5 October 2012 (03:34UT)

**Title:** *SDO E/PO Team Mini-Workshop*

**Date/Time:** Friday, March 8, 9:00-13:00

**Chair:** Martha Wawro (NASA GSFC)

**Description:** This is a meeting for the SDO Education and Public Outreach team members to discuss the current and future direction of the SDO E/PO program. Items discussed will include but not be limited to the SDO citizen science and education project, coordinated reporting, YPOP update efforts, Solar Science Fair and SDO website efforts.