

# Unpublished contributions

## 1. UNPUBLISHED ORAL CONTRIBUTIONS

### *Session I - 1.1 Prominence: fine structure, dynamics and seismology*

- Theoretical Models of the Origin of Prominence Mass (Judy Karpen, NASA Goddard Space Flight Center)

### *Session I - 1.3 Magnetic Field: Measurements and Models*

- On the magnetic topology of quiescent prominence bubbles (Jaroslav Dudik, Comenius University)
- Observation of the magnetic field in solar tornadoes (Maria Jesus Martinez Gonzalez, Instituto de Astrofisica de Canarias)

### *Session I - 1.4 Filament Environment*

- The role of prominences in defining the quiescent and dynamic large scale coronal structures (Shadia Habbal, Institute for Astronomy, University of Hawaii)
- Observations and simulations of longitudinal oscillations of an active region prominence (Qingmin Zhang, Purple Mountain Observatory)

### *Session II - 2.1 Prominence destabilization, CMEs, 3D reconstructions*

- Key Physics of Prominence Eruption: Models and Observations (Kazunari Shibata, Kwasan and Hida Observatories)
- Torus instability of a line-tied flux rope (Oscar Olmedo, Naval Research Laboratory)
- Evidence for Flux Ropes (Alan Title, Lockheed Martin Advanced Technology Center)
- Fractal Reconnection and Stochastic Particle Acceleration induced by a Prominence Eruption (Naoto Nishizuka, Japan Aerospace Exploration Agency)
- Low polarised emission from the core of coronal mass ejections (Marilena Mierla, Royal Observatory of Belgium)
- The 3-D NLFFF reconstruction of Active Region NOAA 11158 (Yihua Yan, Key Lab of Solar Activity, National Astronomical Observatories, Chinese Academy of Sciences)
- Dynamo driven coronal ejections (Joern Warnecke, Nordic Institute for Theoretical Physics, Department of Astronomy, Stockholm University)

### *Session II - 2.2 CMEs and Magnetic clouds in the Heliosphere and their impacts on Earth's Environment*

- The geoeffectiveness of ICMEs (Alisson Dal Lago, National Institute for Space Research)
- Statistical analysis of magnetic cloud erosion by magnetic reconnection (Alexis Rufenach, Institut de recherche en astrophysique et planétologie)
- Coronal Mass Ejections and associated shocks: Build-up and propagation in a complex environment (Monique Pick, Observatoire de Paris)
- Filament Eruptions, Jets, and Space Weather (Ron Moore, NASA Marshall Space Flight Center)

*Session III - Stellar Ejecta and Impact on Exoplanets*

- Solar wind properties and coronal rotation during the activity cycle (Rui Pinto, Paris Observatory & CEA Saclay)
- Space observations of evaporating exoplanets (David Ehrenreich, University of Geneva)

*Session IV - Instrumentation, Missions and Techniques*

- Prominences observations from space: advances and future challenges (Frédéric Auchère, Institut d'astrophysique spatiale)
- The IRIS mission - prospects for prominence and filament science (Mats Carlsson, University of Oslo)
- Observation of the prominence eruptions and CME during the Interhelioprobe solar mission (Sergey Bogachev, Lebedev Physical Institute of Russian Academy of Sciences)
- ALMA Observations of Solar Prominences (Petr Heinzel, Astronomical Institute, Academy of Sciences of the Czech Republic)

**2. UNPUBLISHED POSTER PAPERS***Poster Session I - Prominences*

- Strategies for the inversion of He I 10830 A data (Asensio Ramos Andres)
- The Influence of Coronal Radiation on Prominence Plasma (Brown Gerrard)
- Automated detection, characterization, and tracking of filaments from SDO data (Buchlin Eric)
- Cut-off wavenumber of Alfvén waves in partially ionized plasmas of the Solar Atmosphere (Carbonell Marc)
- Coronal magnetic field modeling using stereoscopy constraints (Chifu Iulia)
- Detection of partial ionization effects in prominences with observed Doppler velocities (Diaz Antonio)
- Rayleigh-Taylor Instability in Prominence Partially Ionized Plasma (Diaz Antonio)
- Two-ribbon flare without a filament eruption: Slipping magnetic reconnection observed with SDO/AIA (Dudik Jaroslav)
- Total mass loading of prominences estimated from their multi-spectral observations (Farnik Frantisek)
- Effect of shear flow on damping of linear non-adiabatic MHD waves in a prominence medium (Kumar Nagendra)
- Measuring magnetic fields in prominences: the effect of multiple scattering on polarisation (Lopez Ariste Arturo)
- Partially ionized plasma downflows and vertical threads in solar prominences (Oliver Ramon)
- Magnetic properties of coronal pseudo-streamers (Rachmeler Laurel)
- A multi-spacecraft view of a giant filament eruption during 26/27 September 2009 (Sanjay Gusain)
- Rayleigh-Taylor unstable modes in filament threads (Terradas Jaume)
- Prominence MHD models and their eigenmodes (Terradas Jaume)
- Magnetic fields of an active region filament from full Stokes analysis of Si 10827 and He I 10830 A (Xu Zhi)
- Emerging dimmings of active regions observed by the Solar Dynamics Observatory (Zhang Jun)

**Poster Session II - CME - ICME - Space Weather**

- Investigating the Initiation and dynamics of Flux-rope CMEs (Cheng Xin)
- Magnetic reconnection at the leading edge of a solar erupting loop and an ICME (Chian Abraham)
  - Comparison of Helicity Signs in Interplanetary CMEs and Their Solar Source Regions (Cho Kyungsuk)
  - Role of the terrestrial bow shock on magnetic clouds structure: 1. CLUSTER observations downstream of the bow shock (Fontaine Dominique)
  - The dynamical behavior of Magnetic Clouds: From 0.3 to 5.4 astronomical units (Gulisano Adriana)
    - SEP's during Halloween storms and space weather (Hady Ahmed)
    - Multiwavelength Observations of Helical Kink Instability as a Trigger of Solar Flare and CME in AR NOAA 11163 (Kumar Pankaj)
    - ICMEs Associated with Major Geomagnetic Storms Over the Solar Cycle 24 (On-tiveros Veronica)
      - A Multi-wavelength Observational Study of Eruption Processes of Active Prominences in the Solar Active Region NOAA 11261 (Park Sung-Hong)
      - Solar high energy observations within SEPServer project: spatially resolved X-ray observations of flares associated with SEP events (Rodríguez-Gasen Rosa)
      - Statistics of magnetic autocorrelation lengths in the Solar Wind (Ruiz Maria Emilia)
      - Analysis of SC23 major geomagnetic storms produced by CMEs (Stere Oana)
      - Role of the terrestrial bow shock on magnetic clouds' structure: 2. 3D analytical MHD model (Turc Lucile)
        - Statistical Investigation of Physical Parameters of Coronal Mass Ejection in 2002-2012 (Ajabshirizadeh Ali)
        - EUV Solar Corona Sources of Geomagnetic Disturbances in the Solar Cycle 24 (Talebpour Sheshvan Nasrin)
        - Correlation between Interplanetary Parameters and Geomagnetic Indices during Geomagnetic Storms in 2010-2011 (Nabizadeh Armin)

**Poster session IV - Instrumentation**

- New Coronal Imaging Instrumentation (Golub Leon)
- Solar Radio Imaging-Spectroscopy Observations in cm-dm Wavelengths (Yan Yihua)