

Hinode-7 Meeting

12 November (Tuesday)

| Chair | Time | Presenter | Title |
|--|-------------|--|--|
| | 9:30-10:30 | | <i>Registration</i> |
| | 10:30-10:45 | Kazunari Shibata | <i>Welcoming Remarks</i> |
| Session 1. Magnetic Fields and Solar Cycle | | | |
| | 10:45-11:15 | Hideyuki Hotta Invited S1-I-02 | <i>Current status of understanding about solar global convection</i> |
| T. Sakurai | 11:15-11:30 | Luis Bellot Rubio Contributed S1-C-01 | <i>AN OCEAN OF INCLINED MAGNETIC FIELDS IN THE VERY QUIET SUN</i> |
| | 11:30-11:45 | Youhei Masada Contributed S1-C-10 | <i>Large-scale Magnetic Field and Alpha-square Dynamo Wave in Turbulent Convective Dynamo Simulation</i> |
| | 11:45-12:00 | Marc L. DeRosa Contributed S1-C-11 | <i>How Spatial Resolution in Boundary Data Affects Coronal Magnetic Field Extrapolations</i> |
| | 12:00-13:15 | | Lunch |
| | 13:15-13:30 | Dibyendu Nandi Contributed S1-C-02 | <i>Towards Solar Cycle Predictions: Recent Advances in Modelling and Observations</i> |
| | 13:30-13:45 | Daikou Shiota Contributed S1-C-03 | <i>Magnetic evolution at over 70 degrees latitude during the polarity reversal</i> |
| T. | 13:45-14:15 | Hiroko Watanabe Invited S1-I-03 | <i>Observations of fine scale structures and dynamics in sunspots</i> |
| Yokoyama | 14:15-14:30 | Ada Ortiz-Carbonell Contributed S1-C-04 | <i>Emergence of granular-sized magnetic bubbles through the solar atmosphere.</i> |
| | 14:30-14:45 | Sanja Danilovic Contributed S1-C-05 | <i>2D inversions of weak internetwork spectropolarimetric signals</i> |
| | 14:45-15:00 | Andreas Lagg Contributed S1-C-06 | <i>A granular light bridge observed by Hinode: evidence for naked granules</i> |
| | 15:00-16:00 | | Coffee & Poster |
| | 16:00-16:15 | David Buehler Contributed S1-C-07 | <i>Properties of solar plage from a spatially coupled inversion of Hinode SP data</i> |
| | 16:15-16:30 | David Orozco Suarez Contributed S1-C-08 | <i>Determining the magnetic field vector in quiescent prominence threads</i> |
| | 16:30-16:45 | Yukio Katsukawa Contributed S1-C-09 | <i>Implication of the magnetic power spectra derived with the Hinode SP</i> |
| Session 2. Atmospheric and Interior Couplings | | | |
| H. Hara | 16:45-17:15 | Alan M. Title Invited S2-I-01 | <i>Overview of IRIS First Observations</i> |
| | 17:15-17:30 | Ted Tarbell Contributed S2-C-01 | <i>First Results from Coordinated Observing with IRIS, Hinode, and Ground-Based Observatories</i> |
| | 17:30-17:45 | Andrew S. Hillier Contributed S2-C-02 | <i>Determination of Prominence Plasma β from the Dynamics of Rising Plumes</i> |
| | 17:45-18:00 | Elena Dzifcakova Contributed S2-C-03 | <i>Effect of Kappa-distributions on the Temperature Structure of the Prominence-Corona Transition Region</i> |

13 November (Wednesday)

| Chair | Time | Presenter | Title |
|--|---|---|---|
| Session 2. Atmospheric and Interior Couplings | | | |
| H. Isobe | 9:45-10:15 | Shin Toriumi Invited S2-I-02 | <i>Observations and Modelings of the Solar Flux Emergence</i> |
| | 10:15-10:45 | Etienne Pariat Invited S2-I-03 | <i>Chromospheric and coronal jets: triggering and driving processes</i> |
| | 10:45-11:00 | Irina N. Kitiashvili Contributed S2-C-04 | <i>Small-Scale Plasma Eruptions Driven by Magnetic Vortex Tubes</i> |
| | 11:00-11:15 | Mark Cheung Contributed S2-C-05 | <i>Observations of Recurrent Coronal Jets by IRIS, Hinode and SDO</i> |
| | Session 3. Coronal Heating and Solar Wind Acceleration | | |
| | 11:15-11:45 | Harry P. Warren Invited S3-I-01 | <i>The Observation and Modeling of Active Region Emission: Constraints from Hinode</i> |
| | 11:45-12:00 | Philippe A. Bourdin Contributed S3-C-01 | <i>Coronal loops above an active region - observation versus model</i> |
| 12:00-13:15 | | Lunch | |
| T. Sakao | 13:15-13:30 | Vasyl Yurchyshyn Contributed S3-C-02 | <i>High-Resolution Observations of Chromospheric Activity Associated with Small-Scale Emerging Flux in near Sunspot Regions</i> |
| | 13:30-13:45 | Shinsuke Takasao Contributed S3-C-03 | <i>Relation among low atmospheric reconnection, shock formation and chromospheric jets</i> |
| | 13:45-14:00 | Tiago M. D. Pereira Contributed S3-C-04 | <i>An IRIS look at spicules</i> |
| | 14:00-14:30 | Ineke De Moortel Invited S3-I-02 | <i>Recent advances in theory and modelling of coronal wave heating</i> |
| | 14:30-14:45 | Jiansen He Contributed S3-C-05 | <i>Quasi-periodic slow waves and intermittent high-speed outflows unified in a kinetic scenario</i> |
| | 14:45-15:00 | Paola Testa Contributed S3-C-06 | <i>Observing coronal nanoflares in active region moss, with Hi-C and IRIS</i> |
| 15:00-16:00 | | Coffee & Poster | |
| Y. Yan | 16:00-16:15 | Viggo H. Hansteen Contributed S3-C-07 | <i>IRIS observations of transition region unresolved fine structure</i> |
| | 16:15-16:30 | Peter R. Young Contributed S3-C-08 | <i>Dark jets in coronal holes</i> |
| | 16:30-16:45 | Valentyna Abramenko Contributed S3-C-09 | <i>Characteristic Length of Energy-containing Structures at the Base of a Coronal Hole</i> |
| | 16:45-17:00 | Hwanhee Lee Contributed S3-C10 | <i>Magnetic configurations responsible for the coronal heating and the solar wind</i> |
| | Session 4. Flares and Coronal Mass Ejections | | |
| | 17:00-17:30 | Helen E. Mason Invited S4-I-01 | <i>The Evolution of Small Solar Flares Observed with Hinode and SDO (AIA and EVE)</i> |
| | 17:30-17:45 | Sabrina L. Savage Contributed S4-C-01 | <i>Coordinated observations of X-ray and high-resolution EUV active region dynamics</i> |
| | 17:45-18:00 | Louise Harra Contributed S4-C-02 | <i>The location of non-thermal velocity in the early phases of large flares - revealing pre-eruption flux ropes</i> |

14 November (Thursday)

| Chair | Time | Presenter | Title |
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| Session 4. Flares and Coronal Mass Ejections | | | |
| G. Aulanier | 9:45-10:00 | Edward E. DeLuca Contributed S4-C-03 | <i>An MHD Model of a Solar Eruption Starting from NLFFF Initial Conditions</i> |
| | 10:00-10:15 | Miho Janvier Contributed S4-C-04 | <i>Evolution of electric currents and their connection with the 2011 February 15 X-class flare ribbons</i> |
| | 10:15-10:30 | Toshifumi Shimizu Contributed S4-C-05 | <i>High speed photospheric flows observed around polarity inversion lines of a delta-type sunspot</i> |
| | 10:30-10:45 | Hyungmin Park Contributed S4-C-06 | <i>A solar flare observed by Fast Imaging Solar Spectrograph</i> |
| | 10:45-11:15 | Naoto Nishizuka Invited S4-I-02 | <i>Nonlinear Fragmentation of Flare Current Sheets</i> |
| | 11:15-11:30 | David E. McKenzie Contributed S4-C-07 | <i>Spatially Resolved Measurements of Turbulence in the Flare Reconnection Region</i> |
| | 11:30-11:45 | Hirohisa Hara Contributed S4-C-08 | <i>Spectroscopy at the Site of Magnetic Reconnection in the X-class Solar Flare on 2013 May 15</i> |
| | 11:45-12:00 | Kathy Reeves Contributed S4-C-09 | <i>Thermal Structure of Supra-arcade Downflows and Flare Plasma Sheets</i> |
| 12:00-13:15 | Lunch | | |
| K. Shibata | 13:15-13:45 | Jun Lin Invited S4-I-03 | <i>Review on Current Sheets in CME development</i> |
| | 13:45-14:00 | David R. Williams Contributed S4-C10 | <i>The topology of supersonic outflows in a filament eruption</i> |
| | 14:00-14:15 | David Long Contributed S4-C11 | <i>Measuring the Magnetic Field Strength of the Quiet Solar Corona Using "EIT Waves"</i> |
| | 14:15-14:30 | Shin-nosuke Ishikawa Contributed S4-C12 | <i>High-sensitivity hard X-ray solar observation with the FOXSI rocket</i> |
| 14:30-15:30 | Coffee & Poster | | |
| Session 5. Space Weather and Space Climate | | | |
| K. Kusano | 15:30-16:00 | Karel Schrijver Invited S5-I-01 | <i>Upper limit for solar flare energies</i> |
| | 16:00-16:15 | J. L. Culhane Contributed S5-C-01 | <i>Active Region Upflow Plasma: Does it Reach the near-Earth Environment?</i> |
| | 16:15-16:30 | Bruce T. Tsurutani Contributed S5-C2 | <i>Extreme Interplanetary Shocks/Coronal Mass Ejections and Consequences for the Magnetosphere and Earth</i> |
| | 16:30-16:45 | Fusa Miyake Contributed S5-C3 | <i>Rapid events in the carbon-14 content of tree-rings</i> |
| Session 6. Solar-Stellar Connection | | | |
| K. Kusano | 16:45-17:15 | Hiroyuki Maehara Invited S6-I-01 | <i>Superflares on solar-type stars</i> |
| | 17:15-17:30 | Allan Sacha Brun Contributed S6-C-01 | <i>Convection and Dynamo Action in Solar-like stars</i> |
| | 17:30-17:45 | Petr Heinzel Contributed S6-C-02 | <i>Hinode helps us to understand the nature of stellar flares</i> |
| | 17:45-18:00 | Takeru K. Suzuki Contributed S6-C-03 | <i>Saturation of Stellar Winds from Young Suns</i> |

15 November (Friday)

| Chair | Time | Presenter | Title |
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| Session 7. Future Problems and Observations | | | |
| Y. Suematsu | 9:45-10:15 | Br T. Welsch Invited S7-I-01 | <i>A New Analysis of Photospheric Fields and Flows</i> |
| | 10:15-10:45 | Valentin Martinez-Pillet Invited S7-I-02 | <i>On the need of high-res/small-FOV vs. large-FOV magnetograms</i> |
| | 10:45-11:00 | David H. Brooks Contributed S7-C-01 | <i>Resolving Loops in the Solar Corona: Lessons from EIS, AIA, and Hi-C.</i> |
| | 11:10-11:15 | Ryohko Ishikawa Contributed S7-C-02 | <i>New diagnostic tool for magnetic fields in low- β plasma: CLASP</i> |
| | 11:15-11:30 | Alexander Kosovichev Contributed S7-C-03 | <i>First Results of Coordinated Observations from Hinode, IRIS and New Solar Telescope</i> |
| | 11:30-12:00 | Eric R. Priest | <i>Conference Summary</i> |
| | 12:00-12:10 | Kiyoshi Ichimoto | <i>Closing Remarks</i> |

Adjourn