

Scientific Program of the Suzhou Eclipse Meeting

July 24th

Chair: Ding, Mingde

8:30 – 9:00 Free exhibition of the eclipse pictures taken this year or before

9:00 – 9:30 Opening Address: Fang, Cheng

Address: some important persons

Session 1: Solar Eclipse Observations and Public Outreach (part 1)

Chair: **Forbes, Terry**

09:30 – 10:00 **Sun, Xiaochun** : The Observation of Solar Eclipses in Ancient China (invited)

10:00 – 10:15 **Kotrc, P.**: Measurement of Scattered Light in Optical Spectra Observed by the Ondvrejov Spectrograph During the Partial Solar Eclipse on 1 August 2008

10:15 – 10:30 **Park, Young-Deuk**: 2009 Total Solar Eclipse of KASI

10:30 – 10:45 **Qu, Zhongquan**: Results from Linear Polarization Observation of Flash Spectrum in a Total Solar Eclipse in 2008

10:45 – 11:15 Coffee and tea break

Chair: **Nakariakov, V.**

11:15 – 11:45 **Pasachoff, Jay M.**: Scientific Observations at Total Solar Eclipses (invited)

11:45 – 12:00 **Druckmullerova, Hana**: High-resolution Colorimetry of the Solar Corona

12:00 – 12:15 **Prado, Jean-yves**: Comparison of Solar Diameter Measurements from PICARD and Eclipses

12:15 – 12:30 **Ponyavin, D. I.** : Eclipse Observations and Geomagnetic Activity as Proxies of Coronal Changes

12:30 – 14:00 Lunch break

Session 1: Solar Eclipse Observations and Public Outreach (part 2)

Chair: **Fang, C.**

14:00 – 14:15 **Ichimoto, K.**: Measurement of the Coronal Electron Temperature at the Total Solar Eclipse using the Continuum Spectra

14:15 – 14:30 **Bao, Xingming**: Near Infrared Spectral and Polarization Imaging Observation of Coronal Emission Lines During Total Solar Eclipse

14:30 – 14:45 **Markova, Eva**: Total Solar Eclipses Through Nineteen Years

Session 2: Magnetic field observations and theory

Chair: **Wang, Haimin**

14:45 – 15:15 **Wang, Jingxiu**: Small Scale Magnetic Field Observations (invited)

15:15 – 15:30 **Ramelli, R.**: Observational programs of the solar magnetic field at the IRSOL observatory

15:30 – 15:45 **Li, Hui**: Evidence for Magnetic Flux Rope Emergence
15:45 – 16:00 **Norton, A. A.**: Full-disk Solar Vector Magnetic Field Data in 2009

16:00 – 16:30 Coffee and tea break

Chair: **Yan, Yihua**

16:30 – 17:00 **Zhang, Hongqi** : Solar Magnetic Fields and Helicity (invited)
17:00 – 17:30 **Wiegmann, Thomas** : Extrapolation of Magnetic Fields (invited)
17:30 – 17:45 **He, Han**: Nonlinear Force-free Field Modeling of Coronal Magnetic Field Using the Data
Obtained by Hinode Satellite
17:45 – 18:00 **Bommier, V.**: Solution of the Azimuth Ambiguity by Using Two Maps Simultaneously
Observed at Different Depths: Example of THEMIS Multiline Data
18:00 – 18:15 **Tian, Lirong**: Imbalance of Magnetic and Helicity Flux in Emerging Active Regions
18:15 – 18:30 **Ambastha, Ashok**: Magnetic and Doppler Transients Associated with the White-light
Flares in NOAA 10486

July 25th

Session 3: Coronal & chromospheric structures and dynamics (part 1: waves)

Chair: **Bougeret, Jean –Louis**

08:30 – 09:00 **Erdelyi, R.**: MHD Waves and Oscillation in the Solar Atmosphere: What
Magneto-seismology Tells Us (invited)
09:00 – 09:15 **Nakariakov, V. M.** : Short-period MHD Waves in Coronal Structures
09:15 – 09:30 **Foullon, C.**: Ultra-long-period Oscillations in EUV Filaments near to Eruption:
Two-wavelength Correlation and Seismology
09:30 – 09:45 **Kim, Yeon-Han**: Evidence of Propagating Alfvén Waves in the Spicule Observed by the
Hinode SOT
09:45 – 10:00 **Banerjee, Dipankar**: Propagating Waves in the Polar Regions of the Sun as seen by
SOHO and HINODE
10:00 – 10:15 **Scullion, Eamon**: Mini Solarquakes at the Transition Region

10:15 – 10:45 Coffee and tea break

Chair: **Ambastha, Ashok**

10:45 – 11:15 **Nordlund, Aake**: Emerging Flux and Coronal Heating (invited)
11:15 – 11:30 **Browning, Philippa**: Heating of the Solar Corona by Fast Reconnection Triggered by Kink
Instability
11:30 – 11:45 **Antolin, Patrick**: The Role of Torsional Alfvén Waves in Coronal Heating
11:45 – 12:00 **Bilenko, I.A.**: Coronal Hole Formation and Evolution
12:00 – 12:15 **Van Doorselaere, Tom**: Detection of Three Periodicities in a Single Oscillating Coronal
Loop
12:15 – 12:30 **Bazin, Cyril**: About the He I and the He II Shells Observed at the 2008 Total Eclipse

12:30 – 14:00 Lunch break

Session 3: Coronal & chromospheric structures and dynamics (part 2)

Chair: **Gan, Weiqun**

- 14:00 – 14:30 **Schmieder, Brigitte**: Filament Formation and Dynamics (invited)
14:30 – 14:45 **Arregui, I.** : Prominence Seismology Using Transverse Oscillations in Non-uniform Filament Threads
14:45 – 15:00 **Damé, Luc**: Eclipses & Space Missions to Address the Dynamical Chromosphere-Corona Interface
15:00 – 15:15 **Wang, Haimin**: Magnetic Reconnection and Acceleration of Flare Electrons
15:15 – 15:30 **Feng, Li**: Stereoscopic Reconstructions from STEREO/EUVI Images
15:30 – 16:00 Coffee and tea break

Session 4: Flares and CMEs: observations and modeling

Chair: **Priest, Eric R.**

- 16:00 – 16:30 **Gopalswamy, Nat**: Recent Progress in the Study of CMEs (invited)
16:30 – 17:00 **Lamy, P. L.**: Synoptic Analysis of CMEs Over Solar Cycle 23 (invited)
17:00 – 17:15 **Keppens, Rony**: Simulating Homologous CMEs
17:15 – 17:30 **Nitta, N. V.**: The CME-Flare Relation Revisited With STEREO Observations
17:30 – 17:45 **Cheng, X.**: A Statistical Study of the Residual Acceleration of Coronal Mass Ejections
17:45 – 18:00 **Culhane, J. L.**: Interaction and Merger of Active Region and Quiescent Filaments followed by their Eruption on 19 May 2007
18:00 – 18:15 **Chen, P. F.**: The Relationship between CMEs and EIT Waves

18:30 – 20:00 Banquet

July 26th

Chair: **Koutchmy, Serge**

- 08:30 – 09:00 **Moon, Yong-Jae**: Empirical Forecasts of Geomagnetic Storms and Proton Events Based on Solar Information (invited)
09:00 – 09:30 **Oreshina, Inna V.** : Magnetic Reconnection and Topological Trigger of Solar Flares and CMEs (invited)
09:30 – 09:45 **Gan, Weiqun**: Reconnection Region and Accelerated Electron Numbers in Solar Flares
09:45 – 10:00 **Lin, Jun**: Properties of the Reconnecting Current Sheets in CME/Flare Events
10:00 – 10:15 **Yang, Y. H.**: Estimation of Reconnection Electric Field in Two-Ribbon Flares
10:15 – 10:45 Coffee and tea break

Chair: **Lin, J.**

- 10:45 – 11:15 **Forbes, Terry**: Magnetic Reconnection in Solar Flares (invited)
11:15 – 11:30 **Qiu, Jiong**: Analysis of Magnetic Reconnection Sequence: from 2D to 3D
11:30 – 11:45 **Ji, Haisheng**: The Contraction of Flaring Loops
11:45 – 12:00 **Soenen, Alexander**: The Role of Lateral Magnetic Reconnection in Solar Eruptive Events

12:00 – 12:15 **Bogachev, Sergey**: Interpretation of Hard X-ray Emission of Solar Flares in Collapsing Trap Model

12:15 – 12:30 **Zhang, Yin**: Relationship between the Transport Rate of Magnetic Helicity and Solar Flares

12:30 – 14:00 Lunch break

Afternoon

Chair: **Nitta, N. V.**

14:00 – 14:15 **Krucker, Sam**: Direct Observations of the Coronal Acceleration Region of a Solar Flare

14:15 – 14:30 **Yokoyama, T.**: MHD Simulations of Reconnection in a Current Sheet with Initial Finite Perturbations

14:30 – 14:45 **Tan, Baolin**: Hierarchy of Timescales of Quasi-periodic Pulsations in a Solar Flares

14:45 – 15:00 **Jin, Meng**: Analysis of CME-induced Outflows

15:00 – 15:15 **Dzifcakova, Elena**: The Ionization Equilibrium for the Electron Distributions with the Power-law High Energy Tail

15:15 – 15:30 **Ajabshiri Zadeh, Ali**: The Reversal Behavior of Some Hydrogen Lyman Lines in Solar Spicules

15:30 – 16:00 Coffee and tea break

Chair: **Doyle, Gerry**

16:00 – 16:30 **Zhang, Jie**: Relationship between Flares and CMEs (invited)

16:30 – 16:45 **Zhang, Mei**: Coronal Mass Ejection as a Result of Magnetic Helicity Accumulation

16:45 – 17:00 **Yan, Yihua**: The Solar Radio Observations in Decimetric-Centimetric Wavebands – On the Chinese Spectral Radioheliograph

17:00 – 17:15 **Kontar, Eduard**: RHESSI Hard X-ray Density and Magnetic Field Structure Measurements in a Flaring Coronal Loop

17:10 – 17:30 **Wang, Huaning**: Challenges in Modeling for Short-term Solar Eruption Prediction

17:30 – 18:00 **Summary and Conclusion**