



## The Third International Symposium on KuaFu Project (ISKP-III)

Kunming, Yunnan, September 14-19, 2008

### Second announcement

The Third International Symposium on KuaFu Project (**ISKP-III**) will be held at Kunming, Yunnan, China, 14-19 September 2008.

### Registration and Visa

The online registration has opened, you can submit your presentation's title before June 30, 2008 at

<http://www.spaceweather.ac.cn/ISKP-3/register.html>, all the

participants and accompany persons who need visa please fill the

visa information in the registration form. **\*\*If you have any**

**questions about visa please contact Ms. Yi ZHOU by email:**

[zhouyi@cssar.ac.cn](mailto:zhouyi@cssar.ac.cn), **fax: +86-10-62558024**

For questions about submitting of presentations, please contact Dr. Gang Qin by email: [gqin@spaceweather.ac.cn](mailto:gqin@spaceweather.ac.cn), fax: +86-10-62582648, and the session conveners.

More information can be found at <http://www.spaceweather.ac.cn/>

[ISKP-3/index.html](http://www.spaceweather.ac.cn/ISKP-3/index.html), or contact Dr. Gang Qin by email:

[gqin@spaceweather.ac.cn](mailto:gqin@spaceweather.ac.cn).

## Accomodation

**Kunming Taili International Hotel (four-stars)** is a grandiose building with 29 floors and features 512 apartments and suites and more than 10 various types of meeting rooms, all of which are completely equipped. we will reserve Deluxe Rooms at the rate of 340 yuan/night for all the registered participants, if you would like to upgrade your room you could do so when you check in.



## Arriving to Kunming

**By plane**, The main point of entry to Kunming is the KUNMING WUJIABA Airport (KMG)

**By train**, the main station is the Nanyao station

## Transportation

We will pick you up at **Kunming Wujiaba International Airport (KMG)** on Sept. 14, 2008, or you can get to Kunming Taili International Hotel yourself by taxi. It takes 15 minutes driving from Kunming Wujiaba International Airport (KMG) and 10 minutes from the train station to the hotel. The taxi fare would be less than 20 yuan.

## Confirmed invited speakers:

1. Introduction to the KuaFu meeting, C.Y Tu (Peking University, China)
2. The science goals of KuaFu and their implementation, Xiao Zuo (KuaFu office, Director; Peking University, China)
3. The status of the KuaFu project, Jingsong Wang (KuaFu office, Project scientist; CMA, China)
4. Mission analysis and feasibility study on KuaFu project, Fang Yang, (KuaFu office, Project engineer, DFH,Co. China)
5. Hinode – Status, new results and suggestions for KuaFu, Louise Harra (University College London, UK)
6. Science with SMESE and suggestions for KuaFu, Fang Cheng (Nanjing University, China)
7. The Heliophysical Explorers Sentinels and Solar Orbiter - Science programme and relations with KuaFu, Eckart Marsch (Max-Planck-Institut f,r Sonnensystemforschung, Germany)
8. Cluster – Status, recent results and suggestions for KuaFu, Zong QG (Peking University, China)
9. THEMIS – Status, recent results and suggestions for KuaFu, William Liu (Senior Scientist, Canadian Space Agency, Canada)
10. The origin of the solar wind as observed by Hinode, Louise Harra (University College London, UK)
11. CME as a result of the magnetic helicity accumulation, Mei Zhang (NAOC, CAS, China)
12. Coronal circulation – plasma flows and mass supply, Eckart Marsch (Max-Planck-Institut f,r Sonnensystemforschung, Germany)
13. Flair associated changes in vector magnetic fields, JingXiu Wang (NAOC, CAS, China)
14. Activities of corona streamers: blobs detachments and blowout CME, Yao Chen (Shandong University at Weihai, China)
15. Energetic ion dynamics of the inner magnetosphere: from quiet conditions to extreme solar events, Iannis Dandouras, Henri RÈme(Centre d'Etude Spatiale des Rayonnements, France), and Jinbin Cao (CSSAR, CAS, China)
16. Study of Sub-storm and suggestions for KuaFu pre-study, William Liu (Senior Scientist, Canadian Space Agency, Canada)
17. Conjugate imaging of substorms, Nikolai Ostgaard (University of Bergen, Norway)
18. Formation of the NEXL at Substorm Onset: A Critical Unresolved Problem in Substorm Physics, Joe Kan (University of Alaska Fairbanks, Fairbanks, Alaska, USA)
19. Understanding the Sun-Earth Connection Through Global Imaging, Mei-

- Ching Fok (NASA Goddard Space Flight Center, Greenbelt, Maryland, USA)
20. Observations of solar wind entry into the magnetosphere during quiet and disturbed times, Gorge Parks (University of California, Berkeley, California, USA)
  21. Assessment of What we have learned the coronal mass ejections since its discovery and what we will further learn from up-coming KuaFu mission, ST Wu (The University of Alabama in Huntsville, Huntsville, Alabama, USA)
  22. Modeling the Solar wind - Magnetosphere - Ionosphere Coupling System, Chi Wang (CSSAR, CAS, China)
  23. The simulation of the Global Density of Earth Plasmasphere deduced from the expected data of the EUV Imager in the elliptical orbit of KuaFu-B using Computer Tomography Technique, Ronglan Xu (CSSAR, CAS, China)
  24. A novel space coronagraph and related data analysis, Ester Antonucci (U. Torino, Italy)
  25. Chinese ground-based upper atmospheric observation in the polar regions, HU, Hongqiao (Polar Research Institute of China, China)
  26. Prospects for a Kuafu-coordinated ground based programme, Mervyn Freemann (BAS, UK)
  27. Ground based instrumentation to enhance the science delivery of Kuafu, Mark Lester (University of Leicester, Leicester, UK)

### **ISKP-III's presentations concentrate on:**

- The present theoretical understanding of the Sun-Earth space as a complex coupled system (space weather science)
- Key issues to be addressed by KuaFu
- The required measurements, the scientific payload of KuaFu
- The possible contributions to the space weather science by KuaFu mission

## Schedule

- **Sunday, 14 September, 2008:**

Registration; Work team meeting

- **Monday, 15 September, 2008:**

Opening ceremony

S0, S1

Reception

Registration

- **Tuesday, 16 September, 2008:**

S2, S3

Poster Session

Banquet

- **Wednesday, 17 September, 2008:**

S4, S5

Open Session

Work team meeting, to discuss new mission scenario and international collaboration

- **Thursday, 18 – Saturday, 19, September, 2008-5-19:**

Outdoor Activities

Meeting closed

**Session 0** The status and general scientific goals of KuaFu project,  
Convener : Chuan-Yi Tu (chuanyitu@pku.edu.cn), E. Marsch  
(marsch@linmpi.mpg.de)

**Session 1** Sun-Earth space science objectives: the precursor, initiation, evolution and propagation of CMEs, Convener: Li-Dong Xia (xld@ustc.edu.cn), Louise Kim Harra (lkh@mssl.ucl.ac.uk)

**Session 2** Geospace science objectives: Mechanism of magnetic storms, substorms and global Magnetosphere-Ionosphere-Thermosphere coupling, Convener: Sui-Yan Fu (suiyanfu@pku.edu.cn), M. Lester (mle@ion.le.ac.uk)

**Session 3** System-level-science objective: The complex global behavior of disturbances in the Sun-Earth System, including the 3-D numerical modeling to identify the self-organized processes which control the global behavior of the Sun-Earth system, and also including the space weather forecast models, Convener: Chi Wang (cw@spaceweather.ac.cn), Eric Donovan (edonovan@ucalgary.ca)

**Session 4** Instruments and technical aspects of the mission, Convener: Zuo Xiao (zxiao@pku.edu.cn), P. Rochus (prochus@ulg.ac.be)

**Session 5** Related ground base observations and their coordination with Kuafu science aims: Identification of the use of existing, and projected, ground to space based instrumentation, including examples of coordinated studies from previous missions, Convener: Dunlop, MW (Malcolm) (M.W.Dunlop@rl.ac.uk), Huigen Yang (huigen\_yang@pric.ac.cn)

Session 6 Open session on science objectives and instrumental issues, Open Session