



# 地球圈层活动研究国际学术讨论会

## 3<sup>rd</sup> KAGI21 International Symposium

(November 8-10, 2005)



Web address in China

<http://www.whigg.ac.cn/AGI2005Wuhan/index.html>;

Web address in Japan

<http://kagi.coe21.kyoto-u.ac.jp/en/index.html>

### First Circular

#### Organized by

Institute of Geodesy and Geophysics, Chinese Academy of Sciences, China  
KAGI21 Office, Graduate School of Science, Kyoto University, Japan

#### 主办单位

中国科学院测量与地球物理研究所  
日本京都大学 KAGI21 项目办公室

#### Sponsored by

Chinese Academy of Sciences, China  
Nature Science Foundation of China

#### 赞助单位

中国科学院，  
国家自然科学基金委

#### Co-organized by

Wuhan University  
China University of Geosciences  
Institute of Seismology, China Seismology Bureau

#### 合办单位

武汉大学  
中国地质大学  
中国地震局地震研究所

#### Submission of Abstracts and Papers

To: Conveners of the Sessions

#### 提交会议文章方式

直接提交给：会议专题负责人

#### Contacts (meeting secretary)

Chinese side:  
Mr. Cheng-Shu LIU  
Institute of Geodesy and Geophysics  
Chinese Academy of Sciences  
Email: [sywc@asch.whigg.ac.cn](mailto:sywc@asch.whigg.ac.cn)  
Tel/Fax: +86-27-68881323

#### 联系方式 (会议秘书)

中国方面:  
刘成恕先生  
中国科学院测量与地球物理研究所  
Email: [sywc@asch.whigg.ac.cn](mailto:sywc@asch.whigg.ac.cn)  
Tel/Fax: +86-27-68881323

Japanese Side:  
KIOKA, Miki  
KAGI 21 Secretary  
Graduate School of Science  
Kyoto University  
Email: [mkioka@kugi.kyoto-u.ac.jp](mailto:mkioka@kugi.kyoto-u.ac.jp)  
Tel/Fax is +81-75-7534299

日本方面:  
KIOKA, Miki  
KAGI 21 Secretary  
Graduate School of Science  
Kyoto University  
Email: [mkioka@kugi.kyoto-u.ac.jp](mailto:mkioka@kugi.kyoto-u.ac.jp)  
Tel/Fax is +81-75-7534299

## **DATE AND LOCATION (会议地点和位置)**

8-10 November 2005 in Institute of Geodesy and Geophysics,  
Chinese Academy of Sciences, in Wuhan, China

## **GENERAL DESCRIPTION OF THE SYMPOSIUM (会议内容概述)**

The “International Symposium on the Active Geosphere Investigation” together with the 3rd KAGI21 (Kyoto university Active Geosphere Investigations for the 21st century COE program) International Symposium will be held during the period from November 8 to 10, 2005 in Wuhan, China. This symposium is co-organized by the Institute of Geodesy and Geophysics, Chinese Academy of Sciences, China and Kyoto university Active Geosphere Investigations for the 21st century COE program (KAGI21) Office.

The symposium will cover a new multi-disciplinary approach for the Earth sciences that emphasizes the physical processes in encompassing of the "Active Geospheres". In this framework, we will provide for scientists the chance of the exchange and discussion along the world in an integrated study of the processes that take place throughout many realms of the Earth' science.

As the rapid progress in study of the Earth's lithosphere, tectonics in the shallow Earth's crust, general circulations of oceans and the atmosphere, and multi-timescale variations of the climate system, the common threads that link these processes include the energy flows that couple all portions of the Geosphere. Since such phenomena evolve and interact on a variety of space and time scales, a new interdisciplinary approach based on optimal inter-related areas of the Earth sciences and recent advances in observational and computational technologies is required.

The symposium sets traditional fields of the Earth sciences, such as Solar Terrestrial Physics, Aeronomy, Atmospheric and Oceanic Sciences, Seismology, Volcanology, Geodesy, Geology, and Material Science for the Earth, as the primary ingredients, and then creates a melting pot of Field Survey/Observations, Satellite Measurements, Data Analyses, and Laboratory and Numerical Experiments, that encourage cross-disciplinary studies. This approach is central to our interpretation of the Active Geosphere and, in a wider sense, to the sustainable coexistence of human beings on the Earth. The challenge is to improve our understanding of the complex processes within the Active Geosphere and obtain new perspectives on the individual components.

The symposium will cover various sessions given as (1) Continental collisions in the past and present, (2) Seismotectonics, (3) Geodetic observations, (4) Climate Changes in the past and present, (5) Monsoon Variability and the Tibetan Plateau (6) Geospace and Atmosphere.

## **SCIENTIFIC COMMITTEE (科学委员会)**

### **Honorary Chairperson (荣誉主席)**

Prof. Li JY (李家洋): Prof, and vice President, Chinese Academy of Sciences, Beijing, China

## **Chairpersons (主席)**

Hsu H T (许厚泽): Prof, Institute of Geodesy and Geophysics, Chinese Academy of Sciences

Yoden S: Prof, Department of Geophysics, Graduate School of Science, Kyoto University, Japan

## **Members (成员)**

Chao, B (赵丰): Prof, Space Geodesy Branch, NASA Goddard Space Flight Center, USA

Chen JY (陈俊勇): Prof, State Bureau of Surveying and Mapping, Beijing, China

Chen YT (陈云泰): Prof, Institute of Geophysics, State Seismology Bureau, Beijing, China

Dehant V: Prof, Royal Observatory of Belgium, Belgium

Fan WM (范蔚民): Prof, Chinese Academy of Sciences, Beijing, China

Hirajima T: Prof, Department of Geophysics, Graduate School of Science, Kyoto University, Japan

Huang C (黄斌): Prof, Shanghai Astronomical Observatory, Shanghai, China

Liu JN (刘经南): Prof, President, Wuhan University, China

Mori J: Prof, Disaster Prevention Research Institute, Kyoto University, Japan

Phillander G: Prof, Dep. of Geosciences, Princeton Univ., USA

Shi YL (石耀霖): Prof, Graduate Institute, Chinese Academy of Sciences, Beijing, China

Takemoto S: Prof, Dep. of Geophysics, Graduate School of Science, Kyoto University, Japan

Tapponnier P: Prof, Institut de Physique du Globe, 4 Place Jussieu, 75252, Paris, France

Tsuda T: Prof, GPS/Atmosphere, Research Institute for Sustainable, Humanosphere, Kyoto University, Japan

Vincent R: Prof, Adelaide University, Australia

Wang B (王斌): Prof, School of Ocean & Earth Science & Technology, University of Hawaii, USA

Wang WJ (王会军): Prof, Institute of Atmosphere, Chinese Academy of Sciences, Beijing, China

Xiao Z (肖佐): Prof, Beijing University, Beijing, China

Yu C (于晟): Prof, Geophysics and Space Sciences, National Nature Science Foundation, Beijing, China

Zhu YZ (朱耀仲): Prof, Institute of Geodesy and Geophysics, Chinese Academy of Sciences, Wuhan, China

## **LOCAL ORGANIZING COMMITTEE (地方组织委员会)**

### **Chairperson (主席)**

Sun HP (孙和平): Prof, Institute of Geodesy and Geophysics, Chinese Academy of Sciences, China

Fukuda Y: Dr, Department of Geophysics, Graduate School of Science, Kyoto University, Japan

## **Members (成员)**

Chen C (陈超): Prof. Institute of Geophysics and Geomatics, China University of Geosciences, Wuhan, China

Deng X H (邓晓华): Prof, Wuhan University, Wuhan, China

Li J C (李建成): Prof, Institute Surveying and Mapping, Wuhan University, Wuhan, China

Wang Y (王勇): Prof, Institute of Geodesy and Geophysics, Chinese Academy of Sciences, Wuhan, China

Wu Y (吴云): Prof, Institute of Seismology, China Seismological Bureau, Wuhan, China

Xu P L (徐培良): Dr, Institute of Disaster Prevention, Kyoto University, Japan

Zhu J (朱江): Prof, Institute of Atmosphere, Chinese Academy of Sciences, Beijing, China

## **MEETING LANGUAGE (会议语言)**

**English is the official language of the symposium.**

## **REGISTRATION FEE (注册费)**

**Registration fee: 500 Chinese Yen**

## **POST-MEETING EXCURSION (可选: 会后地质考察)**

**Option 1: One day tour in Wuhan city**

**Option 2: Three days tour to three gorges (via travel agency)**

**Option 3: Three days tour to Lushan Mt. area (via travel agency)**

**(the detail will be given in the 2<sup>nd</sup> Circular)**

## **CALL FOR PAPERS (征文)**

**The Proceedings of the Symposium will be prepared after meeting. The abstract will be collected before the meeting by Conveners of the Sessions. The dead line for submitting abstract is on September 30, 2005 (the detail will be given in the 2<sup>nd</sup> Circular)**

## **FURTHER INFORMATION (其它信息)**

**The 2<sup>nd</sup> Circular will be issued before July 2005.**

**Web Address 1 (in China): <http://www.whigg.ac.cn/AGI2005Wuhan/index.html>**

**Web Address 2 (in Japan): <http://kagi.coe21.kyoto-u.ac.jp/en/index.html>**

## **VENUE (到达)**

**Wuhan city is located in the center part of China, one of the beautiful cities in China (the detail will be given in the 2<sup>nd</sup> circular)**

## **ACCOMMODATIONS (食宿安排)**

A 3 star hotel, LIYUAN, is located near the meeting place (the detail will be given in the 2<sup>nd</sup> circular, you can visit its web address as: <http://www.lyhotel.com/>)

## **MAIN SESSIONS AND CONVENERS (会议主题)**

### **General Session: Global Interactions of the Active Geospheres**

Chairs: Takemoto S (Email: [takemoto@kugi.kyoto-u.ac.jp](mailto:takemoto@kugi.kyoto-u.ac.jp)), Hsu H Z (许厚泽, [hus@asch.whigg.ac.cn](mailto:hus@asch.whigg.ac.cn))  
Contents: General reports on the Active Geospheres Investigations

### **Session 1: Continental Collisions in the Past and Present**

Chairs: Hirajima T (E-mail: [hirajima@kueps.kyoto-u.ac.jp](mailto:hirajima@kueps.kyoto-u.ac.jp)), Zhang PZ (张培震, Email: [peizhen@gps.gov.cn](mailto:peizhen@gps.gov.cn))  
Contents: Qinghai-Tibet plateau, Crustal Movement

### **Session 2: Seismotectonics**

Chairs: Mori J (Email: [mori@rcep.dpri.kyoto-u.ac.jp](mailto:mori@rcep.dpri.kyoto-u.ac.jp)), Wu Y (吴云, Email: [wuyun@public.wh.hb.cn](mailto:wuyun@public.wh.hb.cn))  
Contents: Geological and Seismological Distribution

### **Session 3: Geodetic Observations**

Chairs: Fukuda Y (Email: [fukuda@kugi.kyoto-u.ac.jp](mailto:fukuda@kugi.kyoto-u.ac.jp)), Wang Y (王勇, Email: [ywang@asch.whigg.ac.cn](mailto:ywang@asch.whigg.ac.cn))  
Contents: GPS and Gravity

### **Session 4: Climate Change in the Past and Present**

Chairs: Takemura K (Email: [takemura@bep.vgs.kyoto-u.ac.jp](mailto:takemura@bep.vgs.kyoto-u.ac.jp)),  
Ding ZL (丁仲礼, Email: [zlding@mail.igcas.ac.cn](mailto:zlding@mail.igcas.ac.cn))  
Contents: Geology and Geomorphology

### **Session 5: Monsoon Variability and the Tibetan Plateau**

Chairs: Satomura T ([satomura@kugi.kyoto-u.ac.jp](mailto:satomura@kugi.kyoto-u.ac.jp)), Zhu J (朱江, Email: [jzhu@mail.iap.ac.cn](mailto:jzhu@mail.iap.ac.cn))  
Contents: Meteorology, Climatology, Oceanography

### **Session 6: Geospace and Atmosphere**

Chairs: Omura Y (Email: [omura@rish.kyoto-u.ac.jp](mailto:omura@rish.kyoto-u.ac.jp)), Deng X H (邓晓华, Email: [dengxh@public.wh.hb.cn](mailto:dengxh@public.wh.hb.cn))  
Contents: Ground and satellite observations, Space environment of Earth