



地球圈层活动研究会 国际学术讨论会 3rd 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>

Second Circular (第二号通知)

Organized by

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

Sponsored by

Chinese Academy of Sciences, China
Nature Science Foundation of China

Co-organized by

Wuhan University
China University of Geosciences
Institute of Seismology, Chinese Earthquake
Administration

Submission of Abstract and Paper

To: Conveners of Topics

Contacts (meeting secretary)

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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

赞助单位

中国科学院,
中国国家自然科学基金委

合办单位

武汉大学
中国地质大学
中国地震局地震研究所

提交会议文章方式

直接提交给: 会议专题负责人

联系方式 (会议秘书)

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DATE AND LOCATION (会议地点和位置)

November 8-10, 2005 in the Institute of Geodesy and Geophysics, Chinese Academy of Sciences, 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 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's 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 Space 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 topics 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)

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Yoden S: Prof., Department of Geophysics, Graduate School of Science, Kyoto University, Kyoto, Japan (Email: yoden@kugi.Kyoto-u.ac.jp)

Members (成员)

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

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Chen YT (陈运泰): Prof., Institute of Geophysics, State Seismology Bureau, Beijing, China

Dehant V: Prof., Royal Observatory of Belgium, Brussels, 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

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

Liu ZX (刘振兴): Prof., Center for Space Science and Applied Research, Chinese Academy of Sciences, Beijing, China

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

Phillander G: Prof., Department of Geosciences, Princeton University, USA

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

Tapponnier P: Prof., Institut de Physique du Globe, 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 Atmospheric Physics, 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

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

Zhu J (朱江): Prof., Institute of Atmospheric Physics, Chinese Academy of Sciences, Beijing, China

MAIN SESSIONS AND CONVENERS (会议主题)

General Topic: Global Interactions of the Active Geospheres

Conveners: Takemoto S (Email: takemoto@kugi.kyoto-u.ac.jp)

Hsu H Z (许厚泽, hsuh@asch.whigg.ac.cn)

Contents: General reports on the Active Geospheres Investigations

Topic 1: Continental Collisions in the Past and Present

Conveners: Hirajima T (E-mail: hirajima@kueps.kyoto-u.ac.jp)

Zhang P Z (张培震, Email: peizhen@gps.gov.cn)

Contents: Qinghai-Tibet plateau, Crustal Movement

Topic 2: Seismotectonics

Conveners: Mori J (Email: mori@rcep.dpri.kyoto-u.ac.jp)

Wu Y (吴云, Email: wuyun@public.wh.hb.cn)

Contents: Geological and Seismological Distribution

Topic 3: Geodetic Observations

Conveners: Fukuda Y (Email: fukuda@kugi.kyoto-u.ac.jp)

Wang Y (王勇, Email: ywang@asch.whigg.ac.cn)

Contents: GPS and Gravity

Topic 4: Climate Change in the Past and Present

Conveners: Takemura K (Email: takemura@bep.vgs.kyoto-u.ac.jp),
Ding ZL (丁仲礼, Email: zlding@mail.igcas.ac.cn)

Contents: Geology and Geomorphology

Topic 5: Monsoon Variability and the Tibetan Plateau

Conveners: Satomura T (satomura@kugi.kyoto-u.ac.jp)
Zhu J (朱江, Email: jzhu@mail.iap.ac.cn)

Contents: Meteorology, Climatology, Oceanography

Topic 6: Geospace and Atmosphere

Conveners: Omura Y (Email: omura@rish.kyoto-u.ac.jp)
Deng X H (邓晓华, Email: dengxh@public.wh.hb.cn)

Contents: Ground and satellite observations, Space environment of the Earth

MEETING LANGUAGE (会议语言)

English is the official language of the symposium.

CALL FOR PAPERS (会议征文)

Abstract should be submitted to both the conveners of topics and meeting secretaries before the deadline of September 20, 2005, by Email submission. The paper, which will be included in the Proceedings without review, should be submitted before February 10, 2006. The cost of the proceedings is included in the registration fee. For the format of abstract and paper, please refer Instruction for Contributions.

Instruction for Contributions

Format of abstract

An abstract of less than 500 words followed by up to five key words should be submitted to the convener of special topic. The abstract should be condensed to one A4 page. The abstract must be intelligible without reference; It should be a condensation of the essential information of research. Abstract should be arranged in single spacing, and should be processed by Microsoft Word. All margins should be at least 2.5 cm wide. Abstract should be typeset by authors following the standard format as illustrated below.

**Title(Font-Times New Roman 16p, Black, PB(Paragraph Before
30p)**

Name of Authors (Arial-12p, PB 12p)

Address (Times New Roman 9p, PB 6p)

Text (Times New Roman-10.5p)

Keywords: Keywords (Times New Roman-10.5p,Black,PB6p), content (Times New Roman, black, 10.5p)

Papers Format:

1. Manuscript should be arranged in single spacing of A4 paper, and should be processed by Microsoft Word. All margins should be at least 2.5 cm wide. The standard order of a manuscript is: title, authors, authors' addresses, abstract, keywords, text, acknowledgments, references, and appendices. Manuscript should be typeset by authors following the standard format as illustrated below. All tables, figures, and figure captions should be inserted in the text at their appropriate positions.
2. Abstract is required to be less than 300 words followed by up to five key words.
3. To improve the readability of papers, authors may use up to three levels of headings:
4. References should be listed in alphabetical order, as in the following examples:

Journal Article:

Kenner, S. J. and Segall, P., 2000. Postseismic deformation following the 1906 San Francisco earthquake, *J. Geophys. Res.*, 105, 13 195-13 209.

Book:

Ernst, W.G., 1976, Petrologic Phase Equilibria. Freeman, San Francisco, 333 p.

Book Article:

Wang, X., Zhang, R. and Liou, J.G., 1995, UHPM terrane in east central China. In: Coleman, R.G. and Wang, X. (eds.), Ultrahigh Pressure Metamorphism. Cambridge University Press, Cambridge, p. 356.

Abstract:

Lefevre, F., 1994, Fracture related anisotropy detection and analysis: if the P-waves were enough. 64th Annual International Meeting of Society of Exploration and Geophysics (Expanded Abstract), Los Angeles, Oct. 2003, p. 942.

Thesis:

Sobouti, F., 2000, Thermo-mechanical Modeling of Subduction of Continental Lithosphere, McGill University, Montreal, 120 p.

Report:

Choi, H.S., Kim, M.H., Chun, I.K., Kim, S.Y., Lee, E.K. and Park, Y.M., 1995, Fossil Floral and Faunal Assemblage and Paleoenvironmental Modelling Study on the Cretaceous Sedimentary Basins Scattered in/near the Okchon Belt (I). Report KR-95(T)-9, Korea Institute of Geology, Mining and Materials, Taejon, 85 p.

5. The SI unit should be used wherever possible.
6. Maximum number of pages per paper is 10, including all figures, tables and references.

Title(Font-Times New Roman 16p, Black, PB (Paragraph Before 30p)

Name of Authors (Arial-12p, PB 12p)

Address (Times New Roman 9p, PB 6p)

Abstract : **Abstract** (Times New Roman-10.5p, Black, PB6p), content (Times New Roman -10.5p).

Keywords: **Keywords** (Times New Roman-10.5p, Black, PB6p), content (Times New Roman-10.5p)

1st order Subtitle (Times New Roman-10.5p, in CAPITAL, Black, PB18p, with labeled order)

2nd order Subtitle(Times New Roman-10.5p, BLACK, with labeled order)

3rd order Subtitle(Times New Roman-10.5p, BLACK, with labeled order)

Text (Times New Roman-10.5p)

Acknowledgements: **Acknowledgements** (Times New Roman-9p, Black, PB10p), content (Times New Roman, 9p)

References (Times New Roman-10.5p, Black, PB10p)

List of reference (Times New Roman-10p)

POST-MEETING EXCURSION (可选: 会后地质考察)

Option 1: One day tour in Wuhan city

Wuhan, with an area of 8467 sq km and a population of 7.28 million, is the capital of Hubei province, and one of the major economic and industrial cities in China. Located in the very center of China, where the Yangtze River, the third biggest in the world meets its biggest tributary the Han River, Wuhan is divided by the two rivers into 3 towns, named Hankou, Hanyang and Wuchang, each the size of a small city in itself. Being accessible by water and land, it has earned the reputation of "the thoroughfare to nine provinces" and functions as one of the few pivots of water, land, air, post and telecommunication.

Wuhan is an important domestic and foreign commercial port and the center of industry, finance, commerce, science and education for central China. With the development of the Yangtze Valley, Wuhan is becoming increasingly important both in domestic and international terms, specifically as an important education and scientific research base, due largely to the sizeable university and student population.

There are many scenic spots and historical sites to visit in Wuhan, the "Homeland of White Clouds and Yellow Crane", including the Yellow Crane Tower with the 1,700 years history, one of the three famous towers in South China, the East Lake whose natural beauty rivals that of the West Lake in Hangzhou, the ancient Guiyuan Temple, and the European-style buildings remained along the Yanjiang Street, as well as the modern International Amusement Park.

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

The Three Gorges, the most spectacular section of the Yangtze River, are filled with breathtaking sceneries. With Baidi City to the west end and Yichang in the Hubei province at the east, the Three Gorges, Qutang, Wu and Xiling, total 192 km in length. The Qutang Gorge, known for its magnificence, is only 8 km long. Wu Gorge, 44 km long, is famed for its deep valley and quiet beauty. Among the twelve peaks, the Goddess Peak is the most exquisite. Xiling Gorge, extending 66 km in length and full of turbulent currents and whirlpools, is one of the most dangerous shoals.

Along the Three Gorges, there are broad valleys, where the climate is mild and the soil fertile. These valleys are the main cultivated areas in the Three Gorges, where the county towns of Wushan, Badong and Zigui are located. In the autumn when the orange ripens, its sweet fragrance drifts to the boats on the river.

Cost: \$260 for 3 days

Please visit the website <http://www.yc.chinanews.com.cn/sxly/tsjg.htm> for details.

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

Lushan Mountain, situated in the north of Jiangxi Province, occupies an area of 302 square kilometers.

The mountain boasts in its mighty peaks, roaring waterfalls, mysterious clouds and mists, an ancient academy, and many western-styled villas. It was among the first Key Scenic Districts of China, and was one of the districts best owed the titles of "Forty Best Scenic Districts of China", "National Exemplary Scenic and Historic Interest District", "National Geopark of China", "AAAA-rated Tourism District" and so on.

With its peculiar style in historic remains, which is melted with remarkable natural beauty, Mt Lushan has formed a highly aesthetically-valued cultural view closely relevant to the spirit of the Chinese people and their cultural life

United Nations Educational Scientific and Cultural Organization, UNESCO

Cost: \$130 for 3 days

(please visit the website <http://www.jiujiang.gov.cn/jjlyw/lushan/ziran/> for details)

Access to Wuhan (到达)

Wuhan, one of the beautiful cities in China, is located in the central part of China, which can be accessed easily by air and train.

1. Arrival by Air

Tian-He Airport, serving Wuhan, can be accessed directly from several locations overseas, including Fukuoka (Japan), Seoul (Korea), and many domestic cities, including, Hong Kong, Beijing, Shanghai, Guangzhou, Shenzhen, etc.

A taxi ride from Tianhe Airport to Liyuan Hotel takes about one hour. The fare is about \$12.

2. Arrival by Train

Wuhan is one of the most important pivot of railway transportation in China, which is easily accessed directly from domestic major cities.

Taxi rides from Wuchang and Hankou Railway Stations take about twenty and forty minutes, with fares about \$3 and \$5, respectively.

ACCOMMODATIONS (食宿安排)

Liyuan Hotel (3 Star hotel)

Liyuan, a comfortable and well-located hotel, is close to and East Lake, Museum of Hubei Province which is well-known by exhibition of ancient music instrument, the meeting venue, as well as several shopping centers and department stores. Enticing rooms, spacious suites, stylish facilities, delicious traditional Chinese food, and enthusiastic committed staff make your stay at Liyuan Hotel truly memorable. For detailed information, please visit the website <http://www.lyhotel.com/>.

REGISTRATION (注册)

Registration fee: 500 Chinese Yuan

In order to facilitate our arrangement for your hotel reservation, please fill in the Register Return Receipt, and send back to us as soon as possible.

Registration Form of the 3rd KAGI21 International Symposium, Wuhan

Name:	Institution:
Title (please check “√” in correlative column)	
Professor <input type="checkbox"/> Associate professor <input type="checkbox"/> PhD <input type="checkbox"/> Master <input type="checkbox"/>	
Phone Number:	Email Address:
Topic of your paper:	
Room choice: <input type="checkbox"/> single (380CNY); <input type="checkbox"/> Double I (260 CNY); <input type="checkbox"/> Double II (320CNY) No. of persons (_____) % All the rates are per person, including breakfast.	
Dates of Arrival _____ and leaving_____	
Post-meeting Excursion: <input type="checkbox"/> Yes <input type="checkbox"/> Option 1; <input type="checkbox"/> Option 2; <input type="checkbox"/> Option 3 <input type="checkbox"/> No	
Please send the return receipt to: Institute of Geodesy and Geophysics, Chinese Academy of Sciences 340 Xudong Street, Wuhan, Hubei 430077, P. R. China Mr. Chengshu Liu Fax/Tel: 86-27-68881362 Email: sywc@asch.whigg.ac.cn	

Please download the Registration Form from website also. If you have more questions, you can contact: Mr. Chengshu Liu: sywc@asch.whigg.ac.cn or Prof. Heping Sun: heping@asch.whigg.ac.cn