

**ICG 2010**  
**INTERNATIONAL CONFERENCE ON**  
**GEOBIOLOGY**

——Coevolution between organisms and environments

at critical periods of geological history

June 3-6, 2010

Wuhan, China

Second Circular



<http://www.geobiology.net.cn/2010meeting>

<http://www.geobiology.net.cn>

## OBJECTIVE

Geobiology aims to define and describe the systems that couple the biosphere and other Earth spheres and their mutual interactions. Coevolution between organisms and earth environments is the core of geobiology. Not only do earth environments influence the biosphere, but the biosphere influences the whole earth system. Such mutual effects have been going on since the very beginning of earth evolution. This conference aims to enhance international exchange in geobiological research and to promote interdisciplinary integration of geosciences and life science. We hope that such exchange and integration will accelerate the development of the whole of geobiology and earth system science.

## CONFERENCE CALENDAR

- March 1, 2010: 2<sup>nd</sup> circular
- April 1, 2010: Deadline for submission of pre-registration
- May 1, 2010: Final circular
- May 31- June 3, 2010: IAS Bureau Meeting
- June 1-3, 2010: Pre-conference field excursions
- June 3, 2010: Registration and Evening Icebreaker
- June 4-6, 2010: Scientific Sessions
- June 7-10, 2010: Post-conference field excursions

**Please note the conference is postponed to 5-8<sup>th</sup> June, 2 days later than scheduled in the first circular.**

## SPONSORS AND ORGANIZERS

### *Sponsors*

- National Natural Science Foundation of China (NSFC)
- National Committee of Stratigraphy of China
- Geological Society of China
- Paleontological Society of China
- Microbiological Society of China
- Sedimentological Society of China
- China University of Geosciences
- Nanjing Institute of Geology and Paleontology, Chinese Academy of Sciences
- Institute of Vertebrate Paleontology and Paleoanthropology, Chinese Academy of Sciences
- International Commission on Stratigraphy (ICS)
- International Paleontological Association (IPA)
- International Association of Sedimentologists (IAS)
- International Professionals for the Advancement of Chinese Earth Sciences (IPACES)
- IGCP 507 (Paleoclimates of the Cretaceous in Asia)

IGCP 555 (Rapid Environmental/Climate Change in the Cretaceous World:  
Ocean-Land Interactions)  
IGCP 572 (Permian-Triassic Ecosystem)

***Organizer***

Key Laboratory of Biogeology and Environmental Geology of Ministry  
of Education, China University of Geosciences (CUG, Wuhan)

***Co-organizers***

State Key Laboratory of Modern Paleontology and Stratigraphy, Nanjing  
State Key Laboratory of Geological Processes and Mineral Resources, CUG,  
Wuhan

Key Laboratory of Evolutionary Systematics of Vertebrates, Chinese Academy  
of Sciences

IAG Working Group for Geoarchaeology

**ACADEMIC AND ORGANIZING COMMITTEE**

***Academic Committee (in alphabetical order)***

Chairman: Hongfu YIN

Members: Richard ALDRIDGE, Zhisheng AN, David BOTTJER, Yucheng  
CHAI, Xu CHEN, Richard EVERSHERD, Stanley FINNEY, David HARPER, Baojun  
LIU, Kurt KONHÄUSER, Judith MCKENZIE, Zhanxiang QIU, Jiayu RONG, Roger  
SUMMONS, Shu SUN, Pinxian WANG, Paul WIGNALL, Miman ZHANG, Morgan  
DE DAPPER

***Organizing Committee (in alphabetical order)***

Chairman: Shucheng XIE

Members: Zhongqiang CHEN, Hailliang DONG, Yuansheng DU, Xulong LAI,  
Changsong LIN, Yu LIU, Shuzhong SHEN, Xiaoying SHI, Jinnan TONG, Xiaoqiao  
WAN, Chengshan WANG, Changsong XIAO, Shuhai XIAO, Jianxin YAO, Zhonghe  
ZHOU

Secretariat: Haishui JIANG, Xingfang PEI, Mansheng LUO

**LANGUAGE OF THE CONFERENCE**

The official language of the conference will be English.

**SCIENTIFIC PROGRAMME**

***Sessions:***

- 1) Early life and earth environments
- 2) Early Paleozoic explosions, crises and their geological background
- 3) Geo- and bio-events during the Late Paleozoic
- 4) Mesozoic and Cenozoic extinctions, radiations and environmental changes

- 5) Quaternary global change and geoarchaeology (combined with IAG working group for Geoarchaeology)
- 6) Geomicrobiology and its implications for resources and environments
- 7) Astrobiology and life under extreme environments
- 8) IGCP 507 and IGCP 555 special sessions (Rapid environmental/climate change in the Cretaceous world: ocean-land interactions)
- 9) IGCP 572 special session (Permian-Triassic ecosystems)
- 10) IAS Bureau Meeting

***Oral Presentations:***

20 minutes will be allowed for each oral presentation and 35 minutes for keynote speech, plus 5 minutes for questions and discussions.

**PRE- CONFERENCE FIELD EXCURSION**

***A1: Permian-Triassic sequences in Meishan and Chaohu. Predicted cost (3 days):  
US\$ 250***

Spots: Meishan: Changhsingian-Lower Triassic sequence including the GSSPs of bases of Changhsingian and Triassic; Museum at Meishan.

Chaohu: P/T boundary (different facies from that at Meishan) and a complete Lower Triassic sequence defined properly.

Leaders: TONG Jinnan and WANG Yue

Dates: 1-3 June, 2010 (3 days)

Begins: Hangzhou, Zhejiang Province at 8:00 am, 1 June

Ends: Wuhan, Hubei Province at 17:00 pm, 3 June

Participants: min. 10, max. 30

Remarks:

**June 1:** 8:30-11:00 bus from Hangzhou to Meishan; lunch at Meishan; 13:00-17:00 field at Meishan; stay overnight at Changxing.

**June 2:** 8:00-11:00 bus from Changxing to Chaohu; lunch at Chaohu; 13:00-17:00 field at Chaohu; stay overnight at Chaohu.

**June 3:** 8:00-10:00 bus from Chaohu to Nanjing; 10:00-12:00 visiting Nanjing Institute of Geology and Paleontology and lunch in Nanjing; 13:53-16:43 train from Nanjing to Wuhan.



A panoramic view of the West Pingdingshan Section for PTB and IOB, Chaohu



The GSSP of Permian Triassic Boundary, Meishan

***A2: GSSPs of Dapingian and Hirnantian (Yichang, Hubei) and Sinian-Ediacaran (Duoshantuo and Dengying Fms) sequences in the Three Gorges region of the Yangtze River. Trip starts and ends in Wuhan. Predicted cost (3 days): US\$ 250***

Spots: The Middle Ordovician Dapingian GSSP at Huanghuchang near Yichang. The uppermost Ordovician Hirnantian GSSP at Wangjiawan (42km to Yichang).

Maoping area of Zigui (eastern Yangtze Gorges area): The Ediacaran (typical Sinian) succession, including the sequence of the Doushantuo Formation, its lowest boundary between the cap dolomite and the underlying Late Cryogenian Nantuo glacial diamictite, and the sequences of the Doushantuo Formation and its upper boundary with the Dengying Fm.

Leaders: WANG Xiaofeng, WANG Jiasheng

Dates: 1 June to 3 June, 2010 (3 days)

Begin: CUG, Wuhan, Hubei Province, at 8:00 am, 1 June

End: CUG, Wuhan, Hubei Province, at 18:00 pm, 3 June

Participants: min. 10, max. 30

Costs: USD \$250, including an excursion guidebook, 2 breakfasts, 3 lunches, 2 dinners, 2 night hotel accommodation (sharing a double room, for single room add USD \$25 per night), bus (shuttle) tickets between Wuhan and Yichang/Maoping of Zigui and the costs for visiting the Three Gorges Dams.

Remarks: *Trip begins and ends in Wuhan.*

**June 1:** 8:00-12:30 bus from Wuhan to Yichang (lunch at Yichang); 13:30-17:30 to examine the GSSPs for the Dapingian and Hirnantian GSSP; Dinner at Yichang and stay overnight at Yichang.

**June 2:** 7:00 breakfast at Yichang; 8:00-17:00 bus from Yichang to Maoping of Zigui to visit the Ediacaran (Sinian) sections separately exposed along the Shibaxi–Wuhe–Huangniuyan and the Jiulongwan roadsides in Sandouping area of Maoping. Lunch at field and stay overnight at Maoping

**June 3:** 7:00 breakfast at Maoping; 8:00-10:00 bus from Maoping to Three Gorges Dams and visiting the high Dams; 10:00-11:00 bus from Three Gorges Dams to Yichang and visiting the museum at Yichang Institute of Geology and Minerals Resources of the Ministry of Land and Resources; Lunch at Yichang. 13:30-18:00 bus from Yichang to Wuhan. End the field excursion finally at about 18:00 pm.



Outcrop of cap carbonate at Doushantuo Formation at Jiulongwan

**A3: Geomorphological evolution of the Three Gorges of Yangtze River and formation of sub-alpine peat bog in Shennongjia Mts. Predicted cost (3 days): US\$ 300**

Spots: Muyu Town: Shennongjia mountains and Shennongjia Nature Reserve Area, the second geomorphic level marked by multiple planation surfaces; Shennongding-the first peak in Central China;

abundant biodiversity and refuges in Central China, such as virgin forest, alpine meadow, whitening animals, rare and endangered plant species in the local botanical garden; local human landscape.

Dajiuhu Peatland: Quaternary remnants of glaciations, karsts landform, the East Asian Monsoon evolution and the occurrence of Holocene alpine peat bog.

The Three Gorges Dam: Multiple planation surfaces and valley geomorphology of the Three Gorges of Yangtze River; visiting the Three Gorges Dam and Research Centre on Geological Hazards.

Leaders: GU Yansheng, HUANG Xianyu and YANG Huan

Dates: 1-3 June, 2010 (3days)

Begins: Wuhan, Hubei Province; 8:00 am, 1 June

Ends: Wuhan, Hubei Province; 18:30 pm, 3 June

Participants: min. 10, max. 30

Cost: USD \$300, including excursion guidebook, tickets, 2 breakfasts, 3 lunches, 2 dinners, 2 night hotel accommodation (sharing a double room, for single room add USD \$25 per night).

Remarks:

**June 1:** 8:00-16:00 bus from Wuhan to Muyu Town; 11:30-12:00 lunch in Yichang; 14:00-14:30 visiting the native town of Wang Zhaojun, a famous beauty in ancient Chinese history; 16:30-17:30 visiting the town Muyu; 17:30-18:30 supper, stay overnight at Muyu.

**June 2:** 8:00-12:00 bus from Muyu Town to Dajiuhu Peatland, visiting alpine geomorphology, botanical garden, virgin forest and local human landscape; 12:00-13:00 lunch at Dajiuhu; 13:00-17:00 field at Dajiuhu peatland; stay overnight at Dajiuhu.

**June 3:** 8:00-12:00 bus from Dajiuhu to Zigui Town; 12:00-13:00 lunch at Zigui; 13:00-15:00 visiting Three Gorges Dam, the biggest dam on the Yangzi River; 13:30-16:30 bus from Yichang to Wuhan.



National Park of the subalpine Dajiuhu Peatland (1700 a.s.l.; 109°56'-110°11' E, 31°24'-31°33' N) located at the west margin of Mt. Shennongjia with an area about 16 km<sup>2</sup>.

## POST- CONFERENCE FIELD EXCURSIONS

**B1: *Geobiology of Permo-Triassic microbialite and carbonate petroleum source rocks (Huayingshan; Guangyuan, Sichuan). Trip starts in Wuhan and ends in Chengdu, Sichuan Province. Predicted cost (4 days): US\$ 450***

Spots: 1) Microbialite near Permian-Triassic Boundary in Huayingshan of Sichuan Province

2) Permian carbonate source rock in Guangyuan of Sichuan Province

3) Permian-Triassic Boundary and Guadalupian-Lopingian Boundary in Guangyuan of Sichuan Province

Leaders: YAN Jiabin, WANG Yongbiao, JIANG Haishui

Dates: 7 June to 10 June, 2010 (4 days)

Begin: CUG, Wuhan, Hubei Province, at 11:00 am, 7 June

End: Chengdu in Sichuan Province at 19:00, 10 June, 2010

Participants: min. 10, max. 30

Costs: USD \$450, including an excursion guidebook, 3 breakfasts, 4 lunches, 4 dinners, 3 night hotel accommodation (sharing a double room, for single room add USD \$25 per night), bus (shuttle) and flight tickets between Wuhan and Chengdu.

Remarks:

**June 7:** Flight from Wuhan to Chongqing, bus from Chongqing to Huayingshan, stay overnight at Huayingshan

**June 8:** 8:00-11:30: Field observation on microbialite around the Permian-Triassic Boundary at Huayingshan section; lunch at Huayingshan city; 12:30-18:30 bus from Huayingshan to Guangyuan via Chengdu; stay overnight at Jian'ge city;

**June 9:** 8:00-16:00: field at Shangsi section, on Permian carbonate source rock; stay overnight at Jian'ge city;

**June 10:** 7:30-11:30: field at Shangsi section, on PTB & GLB; 14:20-18:30: bus from Jian'ge to Chengdu;



Sepiolite-bearing limestone at middle Chihhsia Formation of Permian, a potential carbonate source rock



Microbialite with digitate structure at Huayingshan



Dome-shaped microbialite at Huayingshan

**B2: F-F and deepwater P-T extinctions: Devonian and Changhsingian in Guangxi (Yangdi and Dongpan, Guangxi). Predicted cost (4 days): US\$ 450**

Spots: Middle-Upper Devonian sequence at Yangdi

Upper Devonian sequence with apparent extinction boundary at Shenwan

P/T deepwater sequence at Dongpan and Liuqiao

Leaders: GONG Yiming, FENG Qinglai, XU Ran and FENG Qi

Dates: 7-10 June, 2010 (3 days)

Begins: Wuhan, Hubei Province: 12:00, 7 June

Ends: Wuhan, Hubei Province: 21:00, 10 June

Participants: min. 10, max. 20

Remarks:

**June 7:** 14:35-16:00 flight from Wuhan to Guilin, stay overnight at Guilin

**June 8:** 8:30-11:00 field at Yangdi; lunch at Guilin; 14:00-16:00 field at Shenwan; stay overnight at Guilin

**June 9:** 7:30-12:30 bus from Guilin to Nanning; lunch at Nanning; 14:30-16:30 bus from Nanning to Dongmen; stay overnight at Dongmen

**June 10:** 8:00-10:00 field at Dongpan; 10:30-11:30 field at Liuqiao; lunch at Dongmen; 14:00-16:00 bus from Dongmen to Nanning; 19:30-21:00 flight from Nanning to Wuhan



The Upper Devonian Frasnian-Famennian (F-F) transitional carbonates at Yangdi, Guilin, Guangxi in South China



Permian-Triassic deepwater sequence at Dongpan in South China

**B3: Permian-Triassic boundary to Middle Triassic sequences and ecosystems in various facies of Guizhou. Predicted cost (4 days): US\$450**

Spots: P/T calcimicrobialite sequence at Dajiang

Lower-Middle Triassic sequence at Guangdao, typical for the Triassic carbon isotopes excursion

Middle Triassic coral reefs at Bangeng

Lower-Middle Triassic sequence of deep facies at Bianyang

Middle Triassic sequence and ecosystem at Qingyan, typical for the

Mesozoic recovery-radiation

Leaders: TONG Jinnan, YU Youyi and JIANG Haishui

Dates: 7-10 June, 2010 (4 days)

Begins: Wuhan, Hubei Province: 9:00 am, 7 June

Ends: Guiyang, Guizhou Province: 16:00 pm, 10 June

Participants: min. 10, max. 20

Remarks:

**June 7:** flight from Wuhan to Guiyang, bus from Guiyang to Huishui, stay overnight at Huishui

**June 8:** 8:00-11:00 bus from Huishui to Bianyang; lunch at Bianyang; 13:00-17:00 field at Dajiang and Guangdao; 17:00-18:00 bus from Bianyang to Luodian; stay overnight at Luodian

**June 9:** 8:00-9:00 bus from Luodian to Bangeng; 9:00-10:30 field at Bangeng; 10:30-14:30 field at Bianyang; lunch in field; 14:30-17:30 bus from Bianyang to Huishui; stay overnight at Huishui

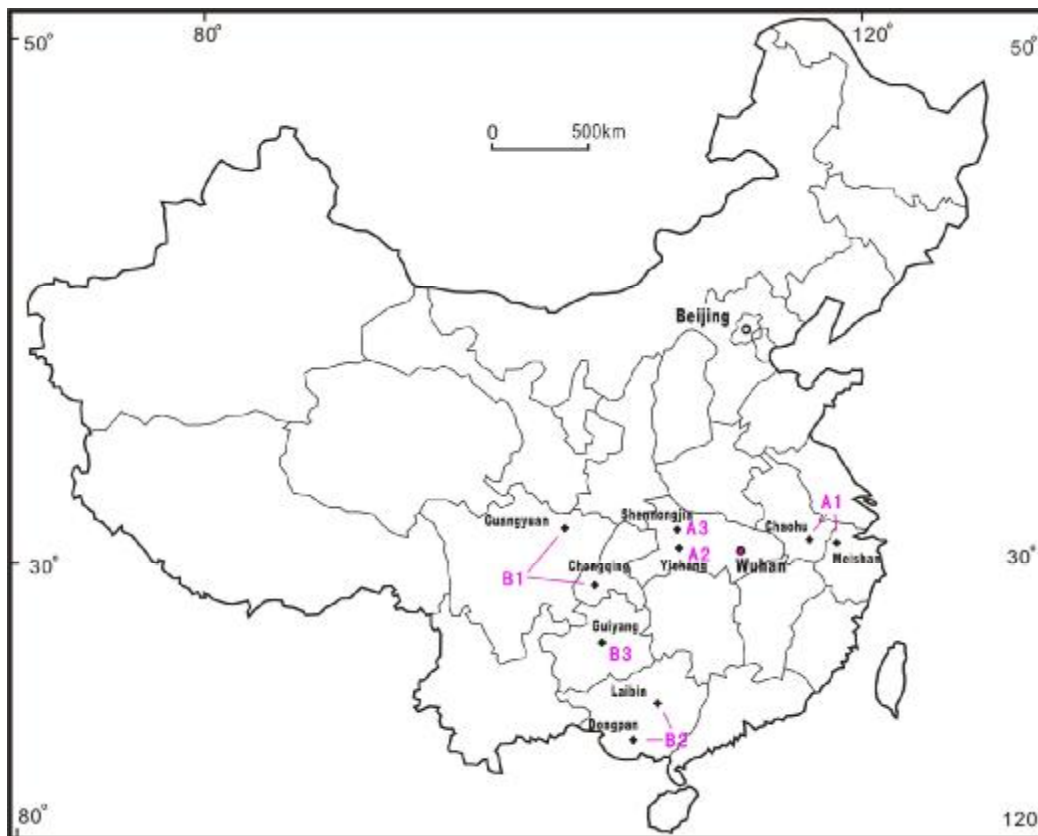
**June 10:** 8:00-9:00 bus from Huishui to Qingyan; 9:00-12:00 field at Qingyan; lunch and at Qingyan; 15:00-16:00 bus from Qingyan to Guiyang



Permian-Triassic Boundary at Dajiang in South China



Lower-Middle Triassic sequence at Guangdao in South China



Location of Field Excursions

## ICEBREAKER PARTY AND PRE-SYMPOSIUM RECEPTION

The get-together “Icebreaker Party” is planned in the Zhendanyuan, CUG, 3 Jun 2010, starting at 18:00 h. You can register at the same time.

## REGISTRATION FEES AND PAYMENT POLICY

### **Registration fees**

Full payment must accompany registration.

Before February 28, 2010: full participant 300 US\$, student 150 US\$, accompanying member 100 US\$.

After February 28, 2010: full participant 350 US\$, student 200 US\$, accompanying member 150 US\$.

### **Payment policy**

All payments including registration fee, accommodation fee, and field trip fees must be paid in USA dollars.

### **Credit cards:**

Visa and MasterCard. We regret that we are unable to accept other credit cards. Please send payment info and credit card info by fax shown below.

Payment Info (available online)

Name of Conferee: \_\_\_\_\_

Name of Accompanying Member: \_\_\_\_\_

Registration Fee: US\$ \_\_\_\_\_

Accompanying Member Fee: US\$ \_\_\_\_\_

Arrival Date: \_\_\_\_\_

Accommodation: # of nights \_\_\_\_\_; room type: \_\_\_\_\_

Accommodation Fee (# nights × room rate) US\$ \_\_\_\_\_

Field Trip Fee US\$ \_\_\_\_\_

Total US\$ \_\_\_\_\_

Credit Card info (available online)

Credit Card Type: \_\_\_\_\_

Credit Card Number: \_\_\_\_\_

Expiration Date: \_\_\_\_\_

Name on Card: \_\_\_\_\_

Amount of Charge: \_\_\_\_\_

Signature \_\_\_\_\_

Tel.: +086-27-62579657

Fax: +086-27-67883456

Email: xingfangpeng@gmail.com

### **Bank transfer (Remittance):**

Bank name: Wuhan City Donghu Development Sub-branch, Bank of China

Account name: China University of Geosciences (Wuhan)

Account No.: 05008008091001  
SWIFT CODE: BKCHCNBJ600

Please write "Geobiology Conference 2010" and the participant's name in the "Message" section of the transfer form. For direct transfer, include your name and the conference bank account number (above), and be sure to pay your bank's service charges for the bank transfer. Applicants' registration fees, accommodation, and fees for accompanying guests must be paid in dollars. You will be notified promptly of any cancellations, schedule or program changes. The organizing committee will confirm your enrollment in the program by email, and provide information on travel, accommodations, and final registration.

### ***Cancellation policy***

A 40 US\$ administration fee will be withheld for cancellations received in writing prior to April 1, 2009. No refunds will be issued after this date.

A 50% refund on field trips will be given if cancelled prior to May 20, 2010. There will be no refunds on field trips after May 20, 2010.

## **ACCOMMODATION**

Please visit our website at <http://www.geobiology.net.cn/2010meeting> to obtain information about reserving your accommodation.

The following three- and five-star hotels on the CUG campus or nearby have been provisionally reserved at preferential prices for participants of the Symposium. No deposit is required to reserve a room, but allocation will be on an FCFS (First Come, First Served) basis.

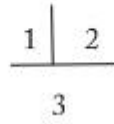
CUG Hotel (three-star), 50 US\$ per night for a standard double-bed room with suite facilities.

Mengtianhu Hotel (three-star), 60 US\$ per night for a standard double-bed room

Ramada Hotel (five-star), 100 US\$ per night for a luxury suite, 150 US\$ per night for a business suite.

## **CONFERENCE VENUE**

The International Conference on Geobiology will be held in China University of Geosciences, Wuhan, China.



1 *Map of CUG*

2 *North District of CUG*

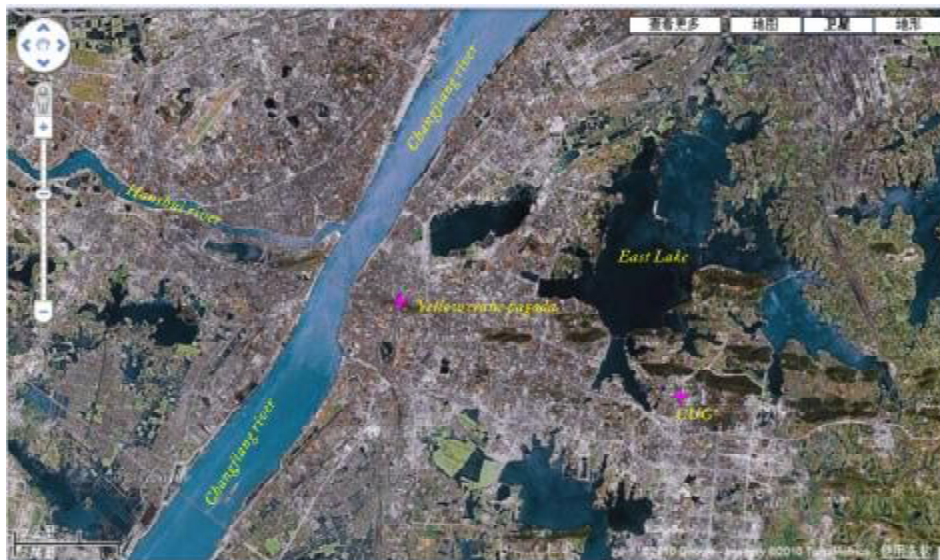
3 *West and East District of CUG*



Map of the CUG

## WEATHER

Wuhan has a subtropical humid monsoon climate. There is abundant rainfall and sunshine during four distinct seasons. In recent thirty years, the average rainfall in June was 151mm, with 12 rainy days. The average lowest and highest temperature in early June are 20°C and 28°C, respectively.



Satellite Map of Wuhan

## **INSURANCE**

The conference organizers cannot be held responsible for any accident of injury or loss or damage of property that may happen to the participants in the conference and Excursions. Please make your own insurance arrangements.

## **LETTERS OF INVITATION**

An invitation letter will be sent on request, to help you to get the visa in local Chinese Embassy or Consulate. This letter, however, does not constitute any obligation of the organizing Committee to cover expenses, fees, etc., associated with participation in the conference. Please send us your personal data, including your full name (which is present in your passport), occupation and title, institution, e-mail address, birth date, and passport no.

## **REGISTRATION AND RESPONSE FORM**

If you did not register before, please fill in the response form below (available at <http://www.geobiology.net.cn/2010meeting>), and send it before April 1, 2010 back to Haishui JIANG ([jiangliuis@hotmail.com](mailto:jiangliuis@hotmail.com)), Xingfang PENG ([xingfangpeng@gmail.com](mailto:xingfangpeng@gmail.com)), Fax: 086-27-67883456

# International Conference on Geobiology

—Coevolution between organisms and environments

at critical periods of geological history

June 3-6, 2010

China University of Geosciences, Wuhan, China

## REGISTRATION AND RESPONSE FORM

available at <http://www.geobiology.net.cn/2010meeting>

First Name \_\_\_\_\_ Last Name \_\_\_\_\_

Accompany Name (If attending, please register below)

\_\_\_\_\_

Institution

\_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ Country \_\_\_\_\_ Postal (Zip) Code \_\_\_\_\_

Email Address \_\_\_\_\_ Telephone \_\_\_\_\_ Fax \_\_\_\_\_

1. I plan to register as (please tick): Formal participant (  ), Student (  ),  
Accompany (  )

2. I am interested in giving an oral presentation with the full title of

\_\_\_\_\_

in the following session preferred

\_\_\_\_\_

3. I am interested in participating excursion(s) number (  and/or  ) (please fill  
in with A1, A2, A3, B1, B2, B3)

4. I need to help with the reservation of the accommodation in the hotel of (please  
tick)

CUG (  ), Mengtianhu (  ), Ramada of a luxurious suite (  ) or a  
business suite (  )

5. My suggestions and comments of scientific sessions and excursions are :

\_\_\_\_\_

\_\_\_\_\_

Signature and date