

International meeting on Precambrian evolution and deep exploration of the lithosphere

7-9 October 2013, Beijing, China

First Circular



Organizers and Sponsors:

Chinese Academy of Geological Sciences (CAGS)

Beijing SHRIMP Center and

International Precambrian Research Centre of China,

Institute of Geology, CAGS

SINOPROBE - Deep Exploration in China

Purpose and proposed program

The Beijing SHRIMP Centre will officially open its new Laboratory Building and the new SHRIMP IIe instrument in the Beijing Science Park in the Fall of 2013. This will coincide with 30 years of Sino-international collaboration on Precambrian research since, in September 1983, there was the first large international Precambrian meeting in China at the Temple of the Sleeping Buddha near Beijing, organized by the Chinese Academy of Geological Sciences and the Tectonics Division of the Geological Society of China, and co-sponsored by the Commission on Tectonics and Structural Geology and the Subcommittee on Precambrian Stratigraphy of IUGS.

To celebrate the above events, the Beijing SHRIMP Centre, together with the International Precambrian Research Centre of China and SINOPROBE, will hold an international interdisciplinary meeting on the Earth's Precambrian evolution to discuss recent advances in our understanding of the composition and evolution of the Precambrian lithosphere and upper mantle. This meeting will be held for about 3 days on 7-9 October at the 5-star Loong Palace Hotel and Resort near the Beijing Life Science Park, just after the week-long Chinese National Day Holiday. The meeting will be followed by two alternative 3-4 day excursions to terranes of international interest, such as the 3.8 Ga Anshan TTG gneisses and a seismic traverse in South China recently completed by SINOPROBE. Topics to be discussed at this meeting will include the following:

Thermal evolution of the Precambrian Earth and Precambrian plate tectonics

Lithospheric growth models and significance for Precambrian tectonics

The Hadean Earth: Evidence from the crustal record and isotopes

Evolution of early Archaean gneiss-granitoid-greenstone terranes

Precambrian supercontinents: Facts – fiction – fantasy

Tectonic styles and their relevance to Precambrian plate tectonics

Composition, evolution and imaging of Precambrian lower crust and mantle lithosphere:

Combining the petrological and geophysical evidence

Coupling between Precambrian crust and subcrustal lithosphere:

Combining the geochemical and geophysical evidence

The impact of integrated in-situ microanalysis of stable and radiogenic isotopes on

Precambrian geology

Precambrian mineral deposits and their relation to crust-mantle interaction and tectonic processes

1. General information

Organizer: Beijing SHRIMP Center and SINOPROBE

Date: 7-9 October 2013

Venue: Loong Palace Hotel, Beijing Life Science Park, Beijing, China

Language: The working language is English.

Preliminary Registration:

To express interest in attending the meeting, participants are kindly requested to complete the attached Registration Form and return it before **31 December 2012** as pdf attachment to an e-mail message to the Secretariat of the meeting. The Registration Fee, including meals, coffee/tea, and a banquet, will be about USD 150.

Secretariat
International Meeting on Precambrian Evolution and
Deep Exploration of the Lithosphere
Division of International Cooperation, CAGS
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Tel: +86-10-6831-0893
Mobile: +86-10-6899-9619
E-mail: dic@cags.ac.cn; cagsdic@gmail.com

1. Chinese Visa

Invitations to attend the workshop will be sent to participants well in advance for inclusion with their visa application at the nearest Chinese Consular Office.

2. Accommodation

Participants are encouraged to stay in the 5-star Loong Palace Hotel where a competitive daily room rate of approx ¥550 incl. breakfast (less than USD 100) has been negotiated on a shared-room basis. Relevant information and alternative accommodation will be announced in the 2nd Circular.

3. Abstract

The meeting will entrust “*International Association for Gondwana Research*” to publish the abstract volume as an IAGR conference series volume. Abstracts should be submitted in the format of “*Gondwana Research*” (www.elsevier.com/locate/gr) with text file in Word, figure files in .jpg and tables, if any, in Excel. Extended abstracts should be limited to 3 printed pages, and all references cited must be listed in full at the end of the abstract, following the “*Gondwana Research*” format with journal names in expanded form.

2. POST-WORKSHOP FIELD TRIPS

1. Anshan (organized by Beijing SHRIMP Center)

The Anshan area in Liaoning Province of northeastern China is the only area where >3700 Ma gneisses have been identified and studied in China. These are the oldest rocks of the Asian continent and consist of partly migmatized dioritic to trondhjemitic gneisses exposed in small outcrops east of the city of Anshan and ranging in age between 3810 and 3777. The 3-day excursion by bus from Beijing will visit Archean rocks en route to Anshan, then some of the above exposures as well as other 3455-2500 Ma Archean rocks in the vicinity and return to Beijing. The excursion fee will be approx. USD 240 on the basis of room-sharing.

2. South China (organized by SINOPROBE)

The Fanjingshan section in Guizhou Province of SW China is one of the best sites to see the Neoproterozoic geology and an unconformity caused by the Sibao orogeny. It exposes thick, shallow-water marine-facies sediments of the Banxi Group consisting of conglomerates at the base and thinly bedded siltstone upward, that rest unconformably on the deformed Fanjingshan Group rocks. The latter were intruded by mafic to intermediate dikes. The timing of this unconformity is restricted to 820-830 Ma by zircon dating of dikes and clastic rocks of both the Banxi and Fanjingshan Groups. The 3-day excursion will begin with a flight from Beijing to Guiyang and on to Tongren, stay overnight in Tongren. On day 2 a bus trip will visit the lithology and stratigraphic contact between the Neoproterozoic Banxi and Fanjingshan Groups, well exposed in the scenic area of the Buddhist mountain of Fanjingshan, and will return to Tongren. On day 3 there is the flight back from Tongren to Guiyang and Beijing. The approximate excursion fee will be USD 1000.

Preliminary Registration Form

International meeting on Precambrian evolution and deep exploration of the lithosphere, Beijing, 7-9 Oct. 2013

Please complete this form in block letters and return **before 31 December 2012** as e-mail attachment to: Secretariat, International Meeting on Precambrian Evolution and Deep Exploration of the Lithosphere, 26 Baiwanzhuang Road, Beijing 100037, P. R. China.

Tel: +86-(10)-6831-0893

E-Mail: dic@cags.ac.cn; cagsdic@gmail.com

Mobile: +86-(10)-6899-9619

GENERAL INFORMATION

Family Name: _____ Given Name (shown on your passport): _____ M F

Passport No.: _____ Date of Expiry: _____ (DD/MM/YYYY Nationality: _____

Date of Birth: _____ (DD/MM/YYYY)

City where you will apply for the Chinese visa (Embassy/Consulate): _____

Affiliation: _____

Phone: _____ Fax: _____ E-Mail: _____

Address: _____

City: _____ Zip: _____ Country: _____

ACCOMPANYING MEMBER

Family Name	Given Name	M/F	Nationality	Passport No.
_____	_____	_____	_____	_____

Do you wish to stay at the Conference Hotel ? Yes No

POST-CONFERENCE FIELD TRIPS

(Please mark block)

1 Anshan early Archean rocks		2 South China Neoproterozoic section	
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No