

The 5th International Symposium on In-situ Rock Stress

August 25-27, 2010, Beijing, China

The Third Announcement

INVITATION

Dear Colleagues and Friends,

The 5th International Symposium on In-situ Rock Stress (ISRSV) sponsored by International Society for Rock Mechanics will be held from August 25-27, 2010 in Beijing, China. On behalf of the Organizing Committee of ISRSV, I formally invite you to participate in this significant event.

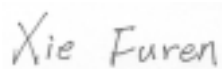
The symposium is designed to show the latest development in the investigation of the in-situ rock stress, which provides us with a unique opportunity to share the state-of-the-art experience and knowledge, to facilitate progress in the future and to make new friends and renew old acquaintances.

I believe that the participants may better understand the development of earthquake disaster prevention in China, and enjoy the oriental scenery and the harmonious coexistence of ancient civilization and modern culture.

We will make every effort to make this event a sound success, and make your stay enjoyable and unforgettable.

We look forward to meeting you in Beijing in 2010.

Yours Sincerely,



Furen Xie, Prof.
Secretary General
Organizing Committee of ISRSV
Institute of Crustal Dynamics, China Earthquake Administration

ORGANIZATION

Sponsored by

International Society for Rock Mechanics (ISRM)

Organized by

Institute of Crustal Dynamics (ICD), China Earthquake Administration (CEA)

Chinese Society for Rock Mechanics and Engineering (CSRME)

Seismological Society of China (SSC)

Co-Organized by

SINTEF Rock Engineering, Norway

National Natural Science Foundation of China (NSFC)

State Key Laboratory of Geomechanics and Geotechnical Engineering (Institute of Rock and Soil Mechanics, CAS)

Institute of Geomechanics, Chinese Academy of Geological Sciences (IG, CAGS)

Yangtze River Scientific Research Institute (YRSRI)

China Coal Research Institute (CCRI)

Graduate University of Chinese Academy of Sciences

State Key Laboratory for Geomechanics and Deep Underground Engineering, China University of Mining and Technology in Beijing

Committee of Chinese Continental Dynamics, Chinese Geophysical Society

Chinese Journal of Rock Mechanics and Engineering (CJRME)

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REGISTRATION INFORMATION

Registration Desk

A Registration Desk will be set-up in the Lobby of Building No. 16, Jiuhua Resort and Convention Center during the following days and times:

August 24, Tuesday	09:30 – 18:30
August 25, Wednesday	08:00 – 18:30
August 26, Thursday	08:00 – 13:30
August 27, Friday	08:00 – 12:30

Any inquiries about the registration, tours, etc. may be answered by approaching any of the staff at the registration desk.

On-site Registration Fee

Participant Registration	RMB3850
Student Registration	RMB2450
Accompanying Person (s)	RMB1050

Participant / Student Registration Fee Covers:

All conference
Program
Paper proceeding (if you paid copyright fee)
Conference kit
Coffee break, working lunch (August 25-27)
Welcome Dinner (August 24)
Dinner (August 25)
Banquet (August 26)
Conference Tour (August 26)

Accompanying Person(s) Fee Covers:

Reception
Banquet
Conference Tour (August 26)

Payment On-site

Cash and credit cards (Master, Visa and American Express) are acceptable. No personal cheque and traveler's cheque are accepted for the payments. All bank charges will be borne by the participant.

PARTICIPANT INFORMATION

Speakers' Ready Desk

Speakers' Ready Desk will be in the Lobby of Building No. 16, Jihua Resort and Convention Center:

August 24, Tuesday	09:30 – 18:30
August 25, Wednesday	08:00 – 18:30
August 26, Thursday	08:00 – 13:30
August 27, Friday	08:00 – 12:30

It is important that all speakers report to the Speakers' Ready Desks with a copy of their presentation materials (Microsoft PowerPoint files) to check compatibility with the conference audio visual equipment and

to ensure the presentation is transferred for use onto the conference computers. Speakers are encouraged to make use of the facilities at least 4 hours before their presentations, however one day before your presentation is recommended. Technicians will be available to assist with audio visual requirements and equipment use.

Official Language

The official language of the Conference is English.

To All Symposium Organizers and Chairs

All organizers and chairs are kindly requested to stay on the stage to co-chair your Symposium. Please arrive at the Symposium room on time so as to make sure your Symposium will go smoothly as scheduled.

Posters

The poster board is 1m (width) X 2.4m (height), hard surface and white colour. The best size of poster is 0.9m (width) X 1.2m (height).

Display Time: August 25-27, 2010

Display Area: 2nd floor, Building No. 16, Jiuhua Resort and Convention Center

Meeting Facilities

Multimedia LCD projectors (PowerPoint) will be available in all meeting rooms.

VISITOR INFORMATION

Currency Exchange

In China, only RMB is used. However, exchange centers can be found at airports, most hotels and large shopping centers. When exchanging money, please keep your receipt by which you can change any remaining RMB back to foreign currency when leaving China. Visa, Master, American Express, Diners Club and JCB are accepted in many department stores and hotels. ATM could help you for changing RMB from your credit card.

The Bank of China and most hotels can cash travelers' cheque issued by any foreign bank or financial institution. Participants will need to show a passport and pay a 0.75 percent commission. Travelers' cheque signed over to a third party cannot be cashed in China, but can be presented for collection through the Bank of China.

Public Transport

Transportation in Beijing is convenient with buses and subway/light rail.

Bus: The bus ride in Beijing costs about RMB1 - RMB3 depending on distance. Most city buses run from 5:30am - 22:00pm.

Subway/Light rail: The full fare is about RMB3.

Taxis

Taxis are everywhere in the city and is the most convenient way to get around. Taxis charge RMB2 per kilometer for the first 15 km, and then RMB2.4 for every additional kilometer. Toll fees are an extra. It costs around RMB120 to travel from Beijing Capital International Airport to Jiuhoa Resort and Convention Center.

Electricity

The electrical voltage in China is 220V 50 Hz. Power sockets available in China are Type A, Type I, and Type C plugs. Adapters are available at most hotels and convenience stores.

SOCIAL EVENTS

Opening Ceremony August 25, Wednesday 08:40 - 09:00
Hall 102, 3rd floor, Building No. 16, Jiuhoa Resort and Convention Center

Welcome Dinner August 24, Tuesday 18:30
Banquet Hall, 1st floor, Building No. 16, Jiuhoa Resort and Convention Center

Banquet August 26, Thursday 18:30
Banquet Hall, 1st floor, Building No. 16, Jiuhoa Resort and Convention Center

Conference Tour August 26, Thursday 13:30 - 19:00
Gather time: 1st floor, Building No. 16, Jiuhoa Resort and Convention Center

All tickets can be purchased at the registration desk.

LOCAL TOUR INFORMATION

LT: Great Wall-Arts Factory-Lunch-Ming Tombs (LT)

Time: 08:30-16:30

Date: August 25, August 27

Price: RMB450

Gathering time: 08:20am

Gathering place: Lobby of 16th District, Jihua Resort and Convention Center

The Great Wall of China, also known in China as the Great Wall of 10,000, is an ancient Chinese fortification built from the end of the 14th century until the beginning of the 17th century. The first major wall was built during the reign of the First Emperor, the main emperor of the short-lived Qin dynasty. This wall was not constructed as a single endeavor, but rather was created by the joining of several regional walls built by the Warring States.

The Ming Tombs are a group of mausoleums of 13 Ming Emperors. The underground burial chamber of Ming Emperor Wanli is open to the public since excavation in 1956. The Great Wall was originally built in 221 BC. The section of Juyongguan we are going to visit was built in the 15th century during the Ming Dynasty and repaired recently.

Note:

1. The tours fee includes inter-city transportation, lunch, admission fees and an English-speaking tour guide.
2. The attendees will gather at the lobby of Building No. 16, Jihua Resort and Convention Center. The gathering time will be shown on your tickets. Please be there 5 minutes prior to the departure time.
3. The tickets should be purchased at least one day before the event. No Refund once purchasing.
4. CICCST will reserve the right to raise the prices or cancel any of the local tour, if attendees are fewer than 10 persons.
5. The program is subject to be changed according to the local situation.

PRE-CONFERENCE TOUR

PR: Shanghai-Guilin-Xi'an-Beijing

Aug. 19 (Thu.), Arrival in Shanghai and check-in at the hotel on your own. Free time for the rest of the day.

Aug. 20 (Fri.), After breakfast, visit Yu Garden and Jade Buddha Temple. Stroll on the Bund, lined with graceful European buildings and with stunning views over the modern district of Pudong. In the evening, check in at hotel and take a rest.

Aug. 21 (Sat.), Flight to Guilin in the morning. After lunch, visit the extraordinary underground caves of the Reed Flute Cave and ascend Fubo Hill for a superb view of this beautiful town. Stay in Guilin overnight at a hotel.

Aug. 22 (Sun.), After breakfast, take a Li River cruise to Yangshuo with lunch on board, visit Yangshuo West Street in the afternoon. Return to Guilin Airport and flight to Xi'an in the evening. Stay in Xi'an overnight at a hotel.

Aug. 23 (Mon.), Visit the Terra-cotta Warriors and Horses Museum, a more than 6000 life-size terra-cotta warriors and horses excavated from the tomb of the first emperor of the Qing Dynasty. After lunch, visit the Big Wild Goose Pagoda, a well-preserved building and a holy place for Buddhists. Then go to Shaanxi Provincial Museum, which considers it an obligation to be a showcase of ancient civilizations. Dumpling Banquet in the evening.

Aug. 24 (Tue.), After breakfast visit to Old City Wall, the most complete city wall that has survived in China. Transfer to the airport and flight to Beijing. Pick-up at the airport and transfer to the conference venue. The tour ends.

Note:

1. The tour fee includes inter-city transportation, regular meals, hotel accommodation and admission fees.
2. If no roommate name is indicated, your room will be arranged as a single room during the tour.
3. The tour fee should be paid in advance.
4. The program is subject to be changed according to the local situation.

POST-CONFERENCE TOUR

PT: Beijing - Xi'an - Beijing

August 28 (Saturday), Beijing-Xian. Visit Shaanxi History Museum and the well-preserved Big Wild Goose Pagoda. You will enjoy a welcome Dumpling Banquet in the evening. Check-in at Hotel.

August 29 (Sunday), After breakfast, visit the Old City Wall, the Terra-cotta Warriors. Fly back to Beijing. Upon arrival, airport meeting and transfer to hotel directly (Dinner is not included).

August 30 (Monday), After breakfast, the tour ends.

Note:

1. The tour fee includes inter-city transportation, regular meals, hotel accommodation and admission fees.
2. If no roommate name is indicated, your room will be arranged as a single room during the tour.
3. Please come to the Registration Desk and pay the balance of full tours fee (if you have). Cash and credit card (Master and Visa only) are acceptable. No personal check and traveler's check are accepted for the payments.
4. Pick up the program from the tour desk.
5. The program is subject to be changed according to the local situation.

CONFERENCE SCHEDULE

Time	August 24, 2010	August 25, 2010	August 26, 2010	August 27, 2010
Forenoon	Registration	Opening Ceremony	Session	Session
		Keynote Lecture		
Lunch Time		Working Lunch	Working Lunch	Working Lunch (Closing Ceremony)
Afternoon		Session	Conference Tour	
	Welcome Dinner	Conference Dinner	Banquet	

SCIENTIFIC PROGRAM

August 25, 2010			
Time	Code	Topic	Room*
08:40 – 09:00	Opening Ceremony		102#
09:00 – 09:30	Keynote Lecture	O. Stephansson (Germany): How to generate the Final Rock Stress Model (FRSM) at a site or an area	102#
09:30 – 10:00		B. Haimson (USA): The effect of lithology, inhomogeneity, topography, and faults, on in situ stress measurements by hydraulic fracturing, and the importance of correct data interpretation and independent evidence in support of results	
10:00 – 10:30		Yaolin Shi (China): Stress measurement and earthquake prediction in China	
10:30 - 10:50	Coffee Break		
10:50 – 11:20	Keynote Lecture	John Hudson (UK): Variability of In Situ Rock Stress	102#
11:20 – 11:50		Ming Lu (Norway): Tunnel stability and in-situ rock stress	
11:50 – 12:20		Furen Xie (China): The Recent Tectonic Stress Districts and Strong Earthquakes in China	

12:20 – 13:30	Lunch Time		
13:30 – 15:30	Session 1	Method and Theory of In-situ Stress Measurement	87#
	Session 2	Engineering Application of In-situ Stress	88#
	Session 3	Numerical Modeling	89#
	Session 4	Active Tectonics and Crustal Dynamics	91#
	Special Session	Difficulties with the Hydraulic Fracturing Method, and Novel Approaches to the Measurement of In situ Stress through Boreholes	90#
15:30 – 16:00	Coffee Break		
16:00 – 18:30	Session 1	Method and Theory of In-situ Stress Measurement	87#
	Session 2	Engineering Application of In-situ Stress	88#
	Session 3	Numerical Modeling	89#
	Session 4	Active Tectonics and Crustal Dynamics	91#
16:00 – 18:00	Special Session	Difficulties with the Hydraulic Fracturing Method, and Novel Approaches to the Measurement of In situ Stress through Boreholes	90#
18:00 – 18:30	Panel debate	Boreholes	
18:30	Dinner		
August 26, 2010			
Time	Code	Topic	Room
08:30 – 10:30	Session 1	Method and Theory of In-situ Stress Measurement	87#
	Session 2	Engineering Application of In-situ Stress	88#
	Session 5	Stress-Strain Observation and Earthquake Prediction	89#
10:30 – 10:50	Coffee Break		
10:50 – 12:30	Session 1	Method and Theory of In-situ Stress Measurement	87#
	Session 2	Engineering Application of In-situ Stress	88#
	Session 5	Stress-Strain Observation and Earthquake Prediction	89#
13:30 – 19:00	Conference Tour		
19:00	Banquet		
August 27, 2010			
Time	Code	Topic	Room
08:30 – 10:30	Session 1	Method and Theory of In-situ Stress Measurement	87#

	Session 3	Numerical Modeling	88#
	Session 5	Stress-Strain Observation and Earthquake Prediction	89#
10:30 – 10:50	Coffee Break		
	Session 1	Method and Theory of In-situ Stress Measurement	
10:50 – 12:30	Session 2	Engineering Application of In-situ Stress	88#
	Session 4	Active Tectonics and Crustal Dynamics	
12:30	Lunch (Closing Ceremony)		

Note: All meeting rooms are located in Building No. 16, Jiuhua Resort and Convention Center