

# The 5<sup>th</sup> International Symposium on In-situ Rock Stress

August 25-27, 2010, Beijing, P.R.China

Sponsored by International Society for Rock Mechanics

<http://www.rockstress2010.org>

## THE FIRST ANNOUNCEMENT

### Organized by

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

Seismological Society of China (SSC)

Chinese Society for Rock Mechanics and Engineering  
(CSRME)

### Co-organized by

Institute of Rock and Soil Mechanics, Chinese  
Academy of Sciences (IRSM, CAS)

Yangtze River Scientific Research Institute (YRSRI)

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

China Coal Research Institute (CCRI)

China University of Mining and Technology (CUMT)

Chinese Journal of Rock Mechanics and Engineering  
(CJRME)

### Organizing committee

#### President

LIU Yuchen, Deputy Director General, CEA

#### Secretary General

XIE Furen, Deputy Director, ICD, CEA

### International Scientific Committee

An international scientific committee will be established, where the chairman, Prof. Furen XIE, has been appointed. All abstracts as well as full papers will be reviewed by the International Scientific Committee.

### For more information please contact

ISRSV Secretariat

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### Topics

#### 1. Method and theory of in-situ stress measurement

- *Hydro-fracturing, stress relief, etc.*
- *AE, ASR & DSCA*
- *Seismic analysis method*
- *Tectonic analysis and inversion method*
- *Scientific drilling and in-situ stress*

#### 2. Engineering Application of in-situ stress

- *Deep mining of resources, such as petroleum oil and coal, etc.*
- *Tunnel engineering*
- *Nuclear waste disposal*
- *Induced earthquake*
- *Geological hazards and regional stability*
- *Case study*

#### 3. Numerical modeling

- *Interpretation of in-situ rock stress*
- *Stress field numerical modeling*
- *Seismic dynamic process and stress triggering*
- *Back analysis*

#### 4. Crustal stress of strong earthquake

- *World Stress Map, Lithospheric stress and plate tectonics*
- *Mechanism of earthquakes and seismic disasters*
- *Seismic surface ruptures and seismotectonics*
- *Seismic processes and dynamic responses*
- *Special topics about Ms 8.0 Wenchuan earthquake in 2008*

#### 5. Stress-strain observation and earthquake prediction

- *Stress and strain observation techniques in borehole*
- *Progress of PBO program*
- *Observation of deformation and fluids*
- *Application of geodesic techniques*

### Deadlines

Abstract submission: November 30, 2009

Notification of acceptance: December 31, 2009

Deadline for full manuscript: March 31, 2010

Notification of paper acceptance: April 30, 2010

Deadline for registration: July 15, 2010