



**4th Asian-Pacific Symposium on Engineering Blasting  
&  
8th International Conference on Physical Problems  
of Rock Destruction**

**November 17~21, 2014  
Shenzhen, China**

**Call for Papers**

**Organized by**



**China Society of Engineering Blasting**

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The Asian-Pacific Symposium on Engineering Blasting (**APS BLASTING**) is the symposium for scientific and technical update on all aspects of explosives and blasting in Asia and the Pacific. It was initiated by China Society of Engineering Blasting, and determined to be held every two years. The 1<sup>st</sup> Asian-Pacific Symposium on Engineering Blasting (APS BLASTING 1) was held in Kunming, China in 2007. APS BLASTING 2 was in Dalian, 2009 and APS BLASTING 3 in Xiamen, 2011. Since APS BLASTING 2, the International Conference on Physical Problems of Rock Destruction (**ICPPRD**) was held together with APS BLASTING. With the general consensus of the organizing committees, the 4<sup>th</sup> Asian-Pacific Symposium on Blasting Techniques (APS BLASTING 4) and the 8<sup>th</sup> International Symposium on Physical Mechanisms of Rock Fragmentation (ICPPRD 8) will be held in Shenzhen, in November 17~21, 2014.

### **APS BLASTING 4**

**APS BLASTING 4** is intended to provide an opportunity for experts, scholars, as well as entrepreneurs throughout the Asian-Pacific area to exchange their academic and technical achievements in engineering blasting, explosives industry and other related fields. The purposes of the Symposium are to respond to the needs of civil engineering and construction community, to meet opportunities and challenges faced by engineering blasting in this century, to work out effective countermeasures and to make greater contribution to further development of blasting technology.

Experts, professors, and engineers involved in explosives industry, engineering blasting, geology, mining and other related fields are warmly welcome to the Symposium.

**The main topics include but not limited to the followings:**

- I. Research and application of blasting techniques, such as surface blasting (i.e. long-hole blasting, chamber blasting, controlled rock blasting), underground blasting, tunneling and sinking, underwater blasting, ground foundation reinforcement by blasting, demolition blasting, shaping by blasting, oil well blasting, as well as other controlled blasting.
- II. Theoretical analyses, such as theory of explosive's initiation and detonation, fragmentation mechanism, numerical simulation, mechanical analyses, effects of geological conditions, dynamic monitoring of detonation and blasting, technology and equipment for measurement of explosives and blasting, blast design and parameter optimization, result measurement and assessment of blasting operations, etc.
- III. Explosives products and initiation systems, including preparation of explosives and manufacturing of accessories, techniques and instruments for initiation, research and application of high-accuracy electronic detonators, loading mechanization, etc.
- IV. Drilling equipment and techniques, other machinery and instruments for drilling.
- V. Policies and arts for management of blast safety, such as safety and environmental effects and their control, research on safety criterion of blasting operations, techniques

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for control of ground vibration, air blast, dust and noise, protective measures for blast hazards, quality test and destroy of explosive products and accessories.

VI. **Blasting-related fields** like geology and mining.

## ICPPRD 8

**The 8<sup>th</sup> International Conference on Physical Problems of Rock Destruction** focuses on theories, techniques and projects of rock fragmentation by blasting, as well as those of ore (rock) crushing (milling) by machine. Rock fragmentation is an academic field involving many specialties which are complicated and intersectional. Papers are invited in fields of rock fragmentation by blasting, mineral processing, ore crushing (milling) and other related fields.

Experts, professors, and engineers involved in mineral processing, ore crushing (milling), explosive and initiation systems, engineering blasting and other related fields are warmly welcome to the Symposium.

### Topics

1. Theories, techniques and machinery equipment of mineral processing, ore crushing, and milling
2. Theories, techniques, testing methods and instruments of rock fragmentation by blasting
3. Explosive, initiation systems and initiation network technologies

### Abstract Requirements

Abstracts must be submitted to the emails, [cseb@cseb.org.cn](mailto:cseb@cseb.org.cn) (for APS Blasting 4) and [csebconference@163.com](mailto:csebconference@163.com) (for ICPPRD 8) by March 31, 2014.

In 200 - 400 words, your abstract should summarize the major points of your proposed 5 - 10 page paper.

3 to 5 keywords are required. Title of the paper, together with names, affiliation, and email address of the author(s), should be attached.

### Official Language

Papers must be submitted and presented in English, the official language of the conference.

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## Deadlines

- **Abstract submission** **March 31, 2014**
- **Notification of abstract acceptance** **April 30, 2014**
- **Full paper submission** **June 30, 2014**
- **Notification of the review** **July 31, 2014**
- **Final paper submission** **September 30, 2014**

## Conference Secretaries

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