

# 11th International Conference on Explosives and Blasting

ORGANIZED BY JAPAN EXPLOSIVES SOCIETY

December 17-20, 2023

Kyoto, Japan

The 11th International Conference on Explosives and Blasting (ICEB) is to be held in Kyoto, Japan organized by the Japan Explosives Society. We look forward to your participation in this traditional symposium.

First joint symposium on Engineering Blasting was hold in Yichang, China 2006. From the 1st to 6th symposium, it was held annually, and from 7th symposium it was held every two years, serving the blasting community of the three countries (Japan, China, and Korea). On the post meeting of ICEB 2019 (10th held at Chengdu, China), conclusion of discussion was that next meeting was planned 2022 in Japan with three years interval. Unfortunately, many conference canceled or postponed due to Covid-19 virus, 11th ICEB was no exception. In 2023, many academic societies have overcome the impact of Covid-19 including 11th ICEB.

It was postponed in 2022 due to Covid-19 and will be held in Kyoto Japan in 2023. In Japan, the second conference was held in Nagoya in 2007, the fifth in Sapporo in 2010, and the eighth in Fukuoka in 2015. In December 2023, once again, people involved in explosives industry, engineering blasting and other related fields are warmly welcome to the Symposium.

**DATE: December 17-20, 2023**

**VENUE: Hearton Hotel Kyoto, 405 Funaya-cho, Nakagyo-Ku, Kyoto-shi, Kyoto, 604-0836, Japan**

## SCHEDULE

Date	Event
Dec.17	Registration, Welcome Party
Dec.18	Technical session, Welcome Banquet
Dec.19	Technical Tour Morning: Visit to a Tunnel Construction Site Afternoon: Visit to the World Heritage site, Byodoin Temple
Dec.20	To Airport

**Registration fee (Welcome party, Technical Session, Proceedings, Technical Tour are included):**

**Delegate : 55,000 JPY/person**

**Student and accompanying person: 25,000 JPY/person**

**Hotel fee (for Chinese and Korean participants) : 30,000 JPY/person, 3days hotel fee**

## **PRELIMINARY LISTS OF MAJOR TOPICS:**

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

## **OTHERS**

Working language of the Symposium will be English.

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