Japanese Geotechnical Society

1st Circular

8IGS 8th International Geotechnical Symposium on Disaster Mitigation 26 - 28 May 2020 Sapporo JAPAN

Introduction

It is our pleasure to announce that the 8th International Geotechnical Symposium on Disaster Mitigation (8IGS) will be held in Sapporo, Japan, on May 2020 which is organized by ATC3 under the auspices of Japanese Geotechnical Society. This series of conference has been organized under Asian Technical Committee 3 on Natural Hazards (ATC3) of the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE) which is currently chaired by Prof. Mitsu Okamura of Ehime University, Japan. The past events were highly successful respectively in Astana 2005, Yuzhno-Sakhalinsk 2007, Harbin 2009, Khabarovsk 2011, Inchon 2013, Chennai 2015 and Chengdu 2017. We would sincerely appreciate your contribution to the symposium.

Webpage: https://gakujutsushukai.jp/8igs

Goal

Landslides caused by heavy rain and ground disasters caused by earthquakes have occurred frequently in Asia. In Japan, landslide disasters by heavy rain occurred in wide areas of western Japan last year. The Hokkaido Iburi east earthquake caused many slope failures in the hilly area of Atsuma town and liquefaction damage in the residential area of Sapporo city. Earthquake induced geo-disasters in Sulawesi and Java, Indonesia, and in Taiwan and the Philippines have also been reported.

This symposium aims to share the latest intelligence and knowledge of Asian countries on geotechnical natural hazards and to establish a framework for Joint research for future collaboration.

Venue

Frontier Research in Applied Sciences Building, Sapporo Campus of Hokkaido University

Address: Kita 13, Nishi 8, Kita-ku, Sapporo 060-8628, Japan

Accommodation information

Please book a hotel room by yourself. Many hotels are located around Sapporo Station.

—Recommended hotels—

HOTEL MYSTAYS Sapporo Aspen ★★★★

Century Royal Hotel Sapporo ★★★★★

ANA Crowne Plaza Sapporo ★★★★★

Theme

1. State of the art on evaluation and mitigation of earthquake and heavy rainfall induced damage.
2. Risk management and advance monitoring technology on large landslide and debris flow.
3. Development of design codes and specifications on geotechnical seismic and extreme weather design.
4. Advance in numerical modeling and experimental work in geotechnical structures.
5. Case studies of performance based design of geotechnical structures during natural hazards.

Important Date

Deadline for 1-page abstract: *December 22, 2019*

Notification of reviewer's decision: *January 31, 2020*

Deadline for full paper submission: *March 29, 2020*

Deadline for Registration: *March 29, 2020*

Call for Papers

One-page Abstract of paper should be submitted to the following correspondence by ***December 22, 2019***, which includes **title of paper, summary of the paper no longer than 200 words and author's information (Names, affiliation, email, contact addresses)**. All of abstracts will be reviewed by a reviewed. All the full papers submitted by the due date will be contained in the Symposium proceedings and distributed to the participants during the symposium.

Registration

Conference (May 26-27): including welcome reception, banquet, lunch, coffee and proceedings

>> Regular: ¥ 33000 YEN

>> Student: ¥ 22000 YEN

>> Accompany: ¥ 11000 YEN

Field trip (May 28): including transportation, lunch

>> Everyone: ¥ 5500 YEN

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Schedule

Day 1: May 26th (Tuesday)
PM: Registration and opening session, Technical Sessions
Evening: Welcome Reception at campus cafeteria

Day 2: May 27th (Wednesday)
AM: Technical Sessions
PM: Technical Sessions
Evening: Banquet at campus restaurant

Day 3: May 28th (Thursday)
AM: Field trip of slope failures in Atsuma Town, arrival at Sapporo station at about 3 PM.

Field Trip

The Hokkaido Iburi eastern earthquake occurred at 3:07 AM on September 6, 2018. The epicenter was in the middle of the Iburi region, at 42.7 degrees north latitude and 142.0 degrees east longitude. The magnitude was estimated to be 6.7 and the hypocenter depth to be 37 km.
In the hilly area of Atsuma Town, innumerable slope failures occurred, and infrastructure and housing were damaged. Regarding the situation of Atsuma Town, the aerial photography video of the Hokkaido Development Bureau of the Ministry of Land, Infrastructure, Transport and Tourism is available at the following URL.
In the site tour, the situation of slope failure in Atsuma Town is observed, the situation of collapsed sediment is observed, and geotechnical characteristics of collapsed sediment are explained.

https://www.youtube.com/watch?v=S26n1wkNSYE&feature=youtu.be

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Prof. Takaji Kokusho (Japan)
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