

INTERPRAEVENT International Symposium 2018 in the Pacific Rim
“Large scale sediment disasters in orogenic zones and countermeasures”
October 2018 in Toyama, Japan

Pacific Rim INTERPRAEVENT Committee
Organizing Committee of INTERPRAEVENT 2018

Date: October 1 (Mon) - October 4 (Thu) 2018

Venue: Toyama International Conference Hall, Toyama City, Toyama Prefecture,
Japan

Organized by:

- The Pacific Rim INTERPRAEVENT Committee of Japan
- Organizing Committee of INTERPRAEVENT International Symposium 2018

Co-organized by:

- International Research Society INTERPRAEVENT
- Japan Society of Erosion Control Engineering (JSECE)
- International Sabo Association (ISA)

Supported by:

- Ministry of Land, Infrastructure, Transport and Tourism (MLIT)
- Toyama Prefectural Government

In cooperation with:

- Japan Sabo Association (JSA)
- Sabo and Landslides Technical Center (STC)
- Sabo Frontier Foundation (SFF)
- Japan Association for Slope Disaster Management (JASDiM)

Purpose

Disasters associated with seismic and volcanic activities which are peculiar to orogenic zones occur frequently in the whole Pacific Rim. In addition, catastrophic sediment disasters caused by heavy rains and big typhoons are occurring increasingly in recent years as a result of climate change. People in the orogenic zones had to live with disasters exerting desperate efforts to mitigate the impacts of such disasters. Technologies for disaster mitigation developed under such circumstances over a long time in the past should be regarded as the world heritage of mankind to be inherited for long in the future.

Toyama Prefecture is particularly abundant in historical facilities which are the crystallization of technologies to deal with such disasters. Their historical value should be recognized highly among engineers, researchers, administrators, educators, and

many others who are concerned with sediment disasters. Further, messages should be sent to the world emphasizing the importance of (1) verification, development and handing over to the future of the technologies, and (2) soft approaches such as public awareness, disaster risk management and so on.

In Toyama Prefecture, a huge amount of sediment discharge of several hundred million cubic meters due to collapse of a mountain triggered by the great earthquake in 1858 blocked up the river to form a natural dam, which later collapsed and caused an extensive damage in the downstream areas in the Toyama plain. SABO works were undertaken continuously for over 110 years thereafter to stabilize the sediment accumulated in the rivers and mountain flanks. The current successful development of the Toyama plain as an area safe from natural disasters and rich in a variety of products is thanks to this long strenuous SABO works.

With these historical developments in the background, INTERPRAEVENT 2018 will be held in October 2018 in Toyama.

Itinerary

	AM	PM	Evening
October 1 (Mon)	Registration	Opening Ceremony, Keynote Speech	Welcome Reception
October 2 (Tue)	Oral Presentation	Oral Presentation Poster Session Core Time	
October 3 (Wed)	Study Tour	Study Tour	
October 4 (Thu)	Oral Presentation	Panel Discussion, Closing Ceremony	

* Details of the Study Tour will be available in the second circular.

Participation Fee

○ Symposium

Registration time	General participants	Students	Accompanying persons
Before 31 May 2018 (Pre-registration)	¥25,000	¥10,000	¥10,000
June 1- August 31	¥30,000	¥12,000	¥12,000
After September 1	¥35,000	¥14,000	¥14,000
Lunch	¥ 1,000		

○Welcome Reception ¥6,000

○Study Tour ¥7,000 (including lunch)

- * The information above is provisional.
- * The fees above do not include accommodation fee etc.

Registration for participation, accommodation etc.

Website for pre-registration will open on January 2018.

Information on accommodation will be available in the second circular. (Registration will be closed on July 31, 2018)

Language: English

Keynote Speech

Speakers from several countries will speak on October 1 about SABO of each country with regard to characteristics of recent disasters, policies and measures for disaster reduction, direction of research activities, evaluation of historical facilities etc.

Oral Session

Papers will be divided into several groups according to the topics. Oral presentation will be made for several papers in each group judging from the full papers and extended abstracts, with 15 minutes for presentation and 5 minutes for question and answers each.

Poster Session

Posters will be displayed on October 1 and 2, with core time in the afternoon on October 2. Papers for posters will be selected in reference to the extended abstracts.

Panel Discussion

Panel discussion will be made comprehensively on characteristics of disasters, planning of facilities, evaluation of effectiveness of facilities etc., with focus on (1) technologies developed and applied to fight against large scale disasters triggered by extreme weather events, volcanic eruptions and earthquakes which are peculiar to orogenic zones, and (2) evaluation of historical SABO facilities and historical land-use regulations, and their effective use further in the future,

Study Tour

One day study tour will be made to the site where the massive collapse of a mountain occurred triggered by “Hietsu Great Earthquake” (1858), and then to the sites where sediment disasters occurred due to collapse of a natural dam and measures were undertaken thereafter to prevent such disasters to take place again in the future.

A study tour to Kurobe Gorge and other places is arranged for the accompanying persons.

Topics

The topics of the symposium “Large scale sediment disasters in orogenic zones and countermeasures” is divided into the following six categories, most of which are the same as those of the previous symposium in 2014 in Nara to be consistent in discussions in the series of INTERPRAEVENT, except category 4 which has been added to highlight the unique and outstanding characteristics of Toyama.

1. Field observation, Analysis and Modeling

- Geological, Geomorphological or Hydrological Settings
- Characteristics of processes and behaviors
- Remote sensing, GPS and GIS techniques for mapping and modelling etc.

2. Catastrophic disaster

- Triggering mechanism
- Catastrophic disasters caused by volcanic eruption
- Preparation and urgent measures for catastrophic disasters, and so on

3. Structural measures and effects

- Efficient design method and site selection of facilities
- Methods of construction considering influence on environment and ecosystem
- Maintenance of facilities
- Secondary use of facilities

4. Evaluation of historical SABO facilities and historical land use regulations, and their effective use in the future

- Examples of historical SABO facilities
- Examples of historical land-use regulations in disaster prone areas
- Evaluation of the facilities from the present view point in terms of effectiveness and influence on environment
- Examples of historical local disaster management plan which made use of wisdoms of old generations
- Effective use of facilities considering social and economic change in the future

※ “historical” means more than 50 years

5. Risk/Crisis management and non-structural measures

- Advanced monitoring technologies and warning systems
- Methods and procedures for risk management
- Hazard zoning and mapping
- Education and local action aiming at disaster mitigation etc.

6. Sustainable land-use management

- Actual state of land-use in hillside areas and issues to address
- Advanced planning methods for sustainable land-use
- Administration for sustainable land-use
- Law aiming at disaster reduction

Registration of technical contributions for oral presentation and poster presentation

The full papers will be recorded in CD-ROM and will be distributed together with the compilation of the extended abstracts at the symposium.

Those who wish to make an oral and/or poster presentation should submit the abstract (A4 size, 2 pages) to the Organizing Committee in advance, for screening for “Accepted”, “Not accepted” or “Need improvement”.

Organizing Committee will send notification on “Permission of presentation” to those whose abstracts and the full papers have been accepted, after the pre-registration is completed.

Contribution can be made through on-line system. The website for contribution open in June 2016.

The procedures for the contribution will be announced in the second circular in July 2017.

Schedule

Start of submission of extended abstract	June 2016
Closure of submission of extended abstract	30 June 2017
Notification on extended abstract acceptance	31 August 2017
Second circular	September 2017
Closure of submission of full paper	31 December 2017
Start of the pre-registration	January 2018
Closure of submission of revised full paper	30 April 2018
Final circular	May 2018
Notification on “Accepted” or “Not accepted” of the full paper	May 2018
Closure of the pre-registration for participation (with discount)	31 May 2018
Notification of the decision on the acceptance of oral and poster presentation	Early in June 2018
Closure of participation registration and hotel reservation	31 July 2018

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