

**INTERPRAEVENT International Symposium 2018 in the Pacific Rim
“Large scale sediment disasters in orogenic zones and countermeasures”**

Date: October 1 (Mon) - October 4 (Thu) 2018
Venue: Toyama International Conference Center, Toyama City, Toyama Prefecture, Japan
Organized by: The Pacific Rim INTERPRAEVENT Committee of Japan (PRIC)
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
Toyama City Hall
In cooperation with: Japan Sabo Association (JSA)
Sabo and Landslides Technical Center (STC)
Sabo Frontier Foundation (SFF)
Japan Association for Slope Disaster Management (JASDiM)

I . 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.



Panoramic view of Tateyama caldera

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.

II . Theme:The Theme of the symposium is “Large scale sediment disasters in orogenic zones and countermeasures” . .

III. Schedule

1. Symposium

The symposium will be held from October 1st to October 4th, 2018 in Toyama International Conference Center (TICC).

	AM	PM	Evening
October 1 (Mon)	Reception (From 10:00)	Opening Ceremony Keynote Speech	Welcome Reception
October 2 (Tue)	Oral Session Poster Session, Core Time		
October 3 (Wed)	Excursion		
October 4 (Thu)	Oral Presentation Poster Session Core Time	Panel Discussion, Closing Ceremony (Until 17:00)	

After **confirmation of the registration** at reception desk, following items will be delivered.

- Abstracts of papers and posters (printed volume)
- Full papers (CD-ROM)
- Others (Program etc.)

IV. Participation Fee

● Symposium

Registration date	General participants	Students	Accompanying persons
Before July 31, 2018	JPY25,000	JPY10,000	JPY10,000
August 1- September 15	JPY30,000	JPY12,000	JPY12,000
After September 16	JPY35,000	JPY14,000	JPY14,000

The participation fees in the above table do not include fees for accommodation and listed below.

- Lunch JPY 1,000/day
- Welcome Reception JPY 6,000
- Excursion JPY 7,000 or 8,500.

V. Registration & Reservation for Hotel

- Registration for participation can be made by the next website;
<http://interpraevent2018.jp>.
- Reservation for hotel is possible on the next website;
<https://va.apollon.nta.co.jp/interpraevent2018-eh/>
- Some hotels near the TICC are.
ANA CROWNE PLAZA TOYAMA (<http://www.anacrowneplaza-toyama.jp/>)
Hotel Grand Terrace Toyama (<http://breezbay-group.com/m-toyama/>)
TOYAMA DAI-ICHI HOTEL (<http://www.hankyu-hotel.com/hotel/toyamadh/>)
Daiwa Roynet Hotel TOYAMA (<https://www.daiwaroynet.jp/english/toyama/>)
Dormy Inn Toyama (<http://www.hotespa.net/hotels/toyama/>)
TOYAMA EXCEL HOTEL TOKYU (<http://www.toyama-e.tokyuhotels.co.jp/ja/index>)
APA HOTEL TOYAMA-EKIMAE
(http://www.apahotel.com/hotel/hokuriku/02_toyama-ekimae/)

VI. Program

1. Language

The official language of the Symposium is English (English/Japanese simultaneous interpretation will be arranged on the first day and in the afternoon of last day).

2. Opening Ceremony (October 1st)

Ceremony will start at 13:30 in the Main Hall, 3rd floor of the TICC after the performance of Toyama's traditional songs and dances "Kokiriko", "Mugiya", etc..

3. Welcome Reception (October 1st)

Welcome Reception will be held from 18:00 at Foyer, 3rd floor of the TICC. Traditional culture of Toyama "Owara" will be shown.



Kokiriko



Owara

4. Keynote Speech

Speakers from Austria, France, New Zealand, Taiwan, Philippines and Japan will make a keynote speech on their SABO with regard to characteristics of recent disasters, policies and measures for disaster reduction, direction of research activities, and evaluation of historical facilities etc.

5. Research Presentation

The theme of this symposium is divided into the next 6 topics. Oral session and poster session will be implemented in relation to each topic.

Topic 1: Monitoring and modelling for debris flow, landslide, slope failure and rockfall

Topic 2: Large scale sediment disasters: Phenomena and countermeasures

Topic 3: Structural countermeasures : New technology and strategy

Topic 4: Integrated basin-scale sediment management for sustainable development

Topic 5: Non-structural countermeasures : Early warning and hazard mapping

Topic 6: Management for sustainable land use

1) Oral Session

Selected oral presentations will be grouped into the related topic according to their contents. 15 minutes will be allocated for each presentation in the oral session, which consists of 12 minutes presentation and 3 minutes Q & A. After every 4 or 5 presentations, 10 minutes general discussion will be conducted.

2) Poster Session

Three times poster exhibition will be conducted in the morning and afternoon of October 2nd and in the morning of Oct. 4th. Each exhibition will have 1 hour core time.

In addition, opportunity for 1 minute poster introduction will be given to those who wish to do.

Poster Awards will be given to the excellent poster presentations.

The format and size of poster will be informed in August in the notification of the acceptance of poster presentation. The authors of poster presentation are requested to

take their posters to the venue and put them onto the designated panels.

3) Submission of full papers and abstracts

The deadline for submission of full paper and abstract was over.

Even after the completion of peer review of the submitted paper and abstract, it is necessary for the authors to register themselves and pay a participation fee in the IP2018 official site by July 31 for actually publishing them. Full papers or abstracts without payment would not be published in any official materials of IP2018.

4) Presentation Program

Time	Main Hall, 3rd Floor	Oral Session Hall, 2nd Floor	Foyer,3rd Floor
10/1 (Mon)			
13:30-14:30	Opening Ceremony		
14:30-15:30	Keynote Speech		
15:30-16:00	Tea Break		
16:00-17:00	Keynote Speech		
18:00-19:30	Welcome Reception/3rd Floor Foyer		
10/2 (Tue)			
8:30-9:40	Oral Session/Topic2	Oral Session/Topic1	Poster Session I (Topic1~6)
9:40-10:00	1 min. Speech Poster introduction		
10:00-10:30	Tea Break		
10:30-11:30	Core time		
11:30-12:40	Oral Session/Topic2	Oral Session/Topic1	
12:40-14:00	Lunch Time		
14:00-15:10	Oral Session/Topic3	Oral Session/Topic1	Poster Session II (Topic1~6)
15:10-15:30	1 min. Speech Poster introduction		
15:30-16:00	Tea Break		
16:00-17:00	Core time		
17:00-18:40	Oral Session/Topic1	Oral Session/Topic3	
10/3 (Wed)			
All Day	Excursion		
10/4 (Thu)			
8:30-9:40	Oral Session/Topic4	Oral Session/Topic3	Poster Session III (Topic1~6)
9:40-10:00	1 min. Speech Poster introduction		
10:00-10:30	Tea Break		
10:30-11:30	Core time		
11:30-12:40	Oral Session/Topic4	Oral Session/Topic5	
12:40-14:00	Lunch Time		
14:00-16:00	Panel Discussion		
16:00-16:30	Tea Break		
16:30-17:00	Closing Ceremony		

5) Exhibitions by public sectors

Sediment-related disaster risk reduction activities by the public organizations will be introduced in the 2nd floor of the TICC

6) Exhibitions by sponsors

Booths of sponsors will be set in the 2nd floor of the TICC

7) 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.

8) Additional information

Following information will be released in the Final Circular and the website of this symposium (<http://interprevent2018.jp/>) in the near future.

The name of keynote speakers and their speech titles

The name of oral and poster presenters and their presentation titles will be shown in the detailed presentation schedule

The name of panelists

VII. Excursion

Technical Excursion will be held in four courses to visit Sabo works and see facilities etc. Another cultural excursion to visit the World Heritage site in Toyama.

※The number of seats for each excursion is limited. We might not always be able to meet your request.

※Due to bad weather and other conditions, we may have to cancel or change observation sites for each course.

➤ Excursion-1: Earthquake, Landslide Disasters and Historic Sabo



Shiraiwa Sabo Dam
; Nationally designated
important cultural properties

Myo-Jyu Sabo Dam
with movable shutters

Dorodani Sabo Dam Group
Revitalizing the Greens

We will see the Sabo works against sediment-related disasters caused by the earthquake etc. and historical sabo facilities such as Shiraiwa Sabo dam in the Tateyama caldera. We will also board the fantastic Trolley Train that was designated as the Registered Monument by the government carrying the materials for Sabo works. In addition, we will see the Tateyama Caldera Sabo Museum.

※Excursion-1 will be changed to Excursion-2 on a rainy day.

➤ Excursion-2: Countermeasures against the Steep River



Hongu Sabo Dam
; National Registered Tangible
Cultural Properties

Yokoe Headworks

Tateyama Caldera Sabo Museum

We will see the Tateyama Caldera Sabo Museum, which introduces the nature and

history of the Tateyama caldera and the sabo works. By observing the Hongu Sabo dam and the Yokoe headwork in the middle of the Joganji River, we will learn about countermeasures against the steep Joganji River.

➤ Excursion-3: Integrated Sediment Transportation Management



Kuronagi-River No.2 Downstream Sabo Dam
(under construction)



Unazuki Dam



Aramata Coast

The Kurobe River is one of the steepest rivers in Japan, and the sediment runoff is remarkable from the devastated land upstream of it, and the alluvial fan is developed by the sediment discharged. Its slope is about 1/5 to 1/80 in the mountains and about 1/100 in the alluvial fan area. In this course, we will visit the integrated sediment management including Sabo dam, Unazuki Dam which is the only multipurpose dam with a full-scale sediment flushing gate in Japan, and Aramata coast.

➤ Excursion-4: Volcanic Disasters and Sabo Works in Volcanic Areas



Mt. Yakedake (active volcano)



Series of Sabo dams
in Shiratani Valley



Hirayu Falls



Shinhotaka Ropeway

We will visit devastated areas in the upper stream of the Jinzu River where unstable geo-tectonics and thick volcanic ejecta may cause severe sediment yield. We also see some activities to reduce damage (disaster mitigation) by structural measures and non-structural measures against sediment-related disasters caused by volcanic eruption of Mt. Yakedake which continues volcanic activity such as steam explosion in recent years.

In addition, we will visit the Hotaka Sabo Observatory of Kyoto University and will ride the Shin-hotaka Ropeway and experience hot springs.

➤ Excursion-5: Feeling Japanese culture and history in Toyama



Gokayama Ainokura Gassho-style Village
; World Heritage (UNESCO)



Zuiryu-ji Temple ; National Treasure



Toyama Prefectural Museum of Art
and Design

We will visit the world heritage "Gokayama Ainokura Gassho-style Village" (steeply-pitched thatched roofs unique to heavy snowy areas), the national treasure "Zuiryu-ji Temple" (Zen temple architecture of the 1600s), Toyama Prefectural Museum of Art and Design which opened in August, 2017 exhibiting

modern and contemporary art and design works, and Takaoka copperware factory showing casting process of the traditional craft of Toyama.

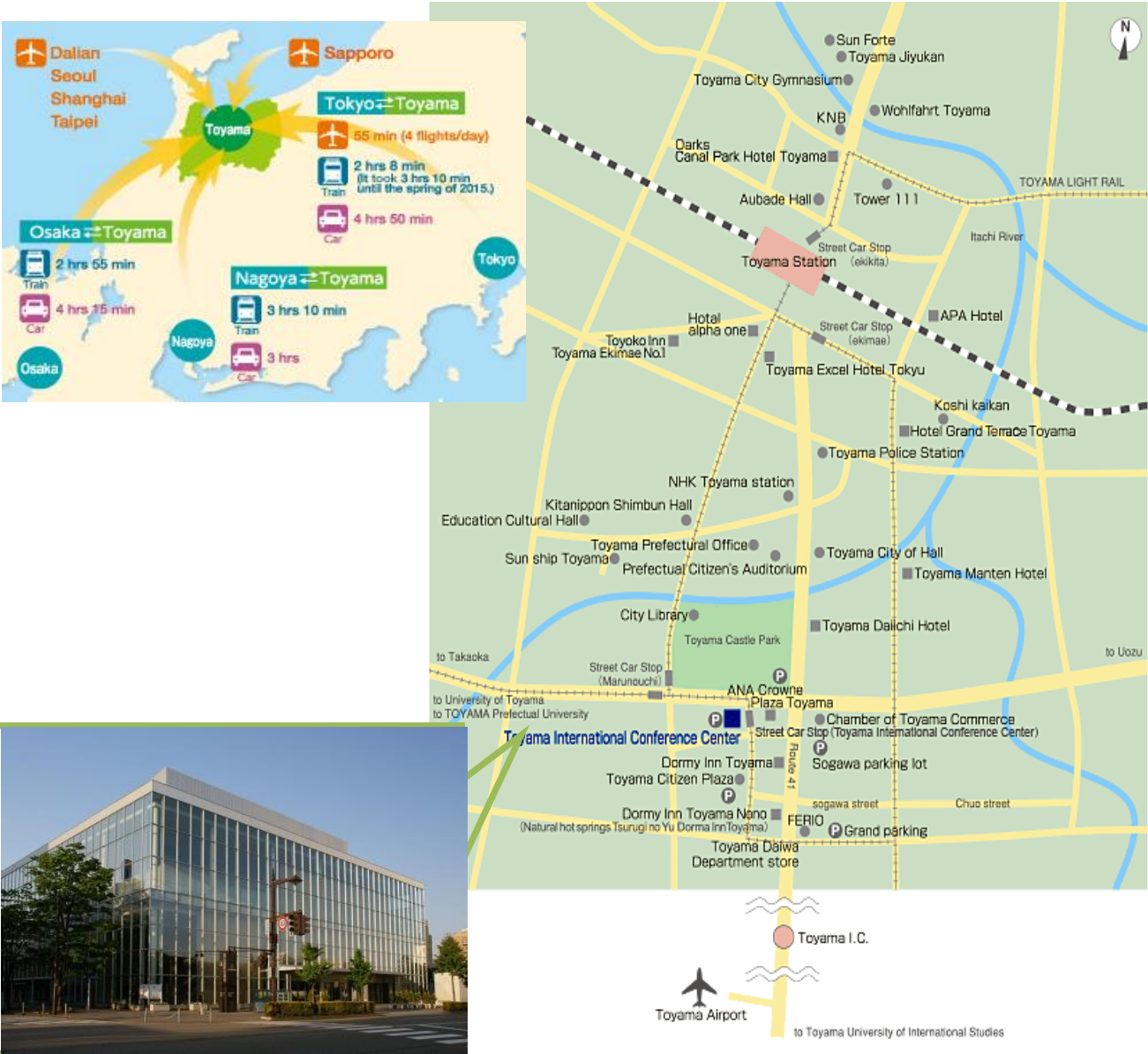
VIII. Location

The symposium will be held at Toyama International Conference Center. (<https://www.ticc.co.jp/english/>)

Address: 1-2 Ote-machi Toyama-city Toyama

Access:

- From Tokyo to Toyama (by air)
 - There are direct flights between Haneda Airport and Toyama Airport, which takes 1hr.
- From Toyama Airport
 - Taxi: Approx. 20 minutes
 - Bus (Airport Bus): Approx. 25 minutes to “Sogawa” bus stop, and 2 minutes' walk
- From Tokyo to Toyama (by Shinkansen)
 - The Hokuriku Shinkansen bullet train travels from Tokyo Station to Toyama station in 2hr 8min. in the shortest.
- From JR Toyama Station
 - Tram: Approx. 7minutes to “Kokusai kaigijo-mae” station
 - Bus: Approx. 5 minutes to “Joshi koen-mae” bus stop, and 3 minutes' walk
 - Walk: Approx. 15 minutes via Joshi Oodouri street to the south



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※The contents are subject to change without notice.