

MSD workshop in Niigata, October 2024

2nd CIRCULAR

11th International Workshop on Multimodal Sediment
Disasters in



Niigata, JAPAN
30 October- 1 November 2024



Niigata University Institute of Disaster Recovery Science Co-promotion



INTRODUCTION

As the extreme climates increase, more and more natural hazards occurred at Asia in the last several decades. Due to the geological and hydro-metrological conditions, Asia is the most prone to sediment hazards in the world. Extremely heavy rainfall and large-scale sediment disasters occurred at the southern Taiwan on August 8, 2009, more than 400 people died in the flood and debris flow. Due to heavy rainfall, large scale debris flow occurred in Zhouqu County, Gansu Province, China buried two villages and caused 1765 death and missing on Aug 8, 2010. In the same year, heavy rainfall attacked Southeast Asia and South Asia; thousands of people died in the flood, landslides and debris flows induced by the rainfall, millions of people lost their residences. In September 2011, more than 80 people died because of flood and debris flow in Thailand. In August 2014, more than 170 people died due to a massive landslide in the eastern Nepal. In June of consecutive two years, 2017 and 2018, a wide range of western part of Japan was suffered by heavy rainfalls and numerous landslides, debris flows took place. In September 2018, an inland earthquake struck Hokkaido and triggered massive landslides. So, the knowledge sharing and technology development for coping with such natural disaster is significantly important.

"Multimodal Sediment Disasters Network"

The MSD-Network (Multimodal Sediment Disaster Network) aims to disseminate outcomes of research and education activities on sediment-related disasters through partnerships and knowledge sharing among the members. The MSD-Network is now composed of scientists and engineers from Indonesia, Japan, Nepal, and Taiwan, as well as Bhutan.

Those countries have been suffered from terrible sediment disasters in common, because of their similarity of geology and meteorology. Huge earthquake, heavy rainfall, and volcano eruption have brought serious damages and sometimes triggered multimodal sediment disasters. For instance, heavy rainfall by Typhoon Talas caused various types of sediment disasters such as landslide, debris flow, and landslide dam in Kii-Peninsula, Japan in 2011. Typhoon Morakot also caused huge sediment disasters Taiwan. Volcanic eruption of Mt. Merapi enhanced compound risks with volcanic, sediment and flood disasters. Against such huge sediment disasters, we discussed on the importance of international corroborations of researchers with different majors and organizing a collaboration group for contributing countermeasures.

The 1st workshop on multimodal sediment disasters was held in March 2010 in Yogyakarta, Indonesia. Since then, 2nd workshop in October 2011 in Tainan, Taiwan, 3rd workshop in September 2012

in Hodaka, Japan, 4th workshop in September 2013 in Yogyakarta, Indonesia again, 5th workshop in October 2014 in Tainan, Taiwan again, a special workshop in March 2016 in Tsukuba, Japan, 6th workshop co-hosted by the ANDF in November 2016 in Kyoto, Japan, 7th workshop in November 2017 in Kathmandu, Nepal and 8th workshop in January 2019 in Solo, Indonesia, 9th workshop in October 2019 in Mie, Japan, online workshop in October 2020 and January 2021, online and face to face hybrid workshop “eMSD 2022” in January 2023 in Tainan, Taiwan, 10th workshop co-hosted by the HATHI Bangka Belitung workshop in July 2023 in Pangkalpinang, Indonesia, have been held every year in different countries, and the network is gradually growing.

VENUE AND DATES

The 11th International Workshop on Multimodal Sediment Disasters (MSD Workshop) will take place during 30 October – 1 November 2024 in Niigata City, Niigata, Japan, co-hosted by Niigata University Research Institute for Natural Hazard and Disaster Recovery Science. The venue for the meeting is **“Library Hall”** at 1F of Niigata University Library in Niigata University Ikarashi Campus.

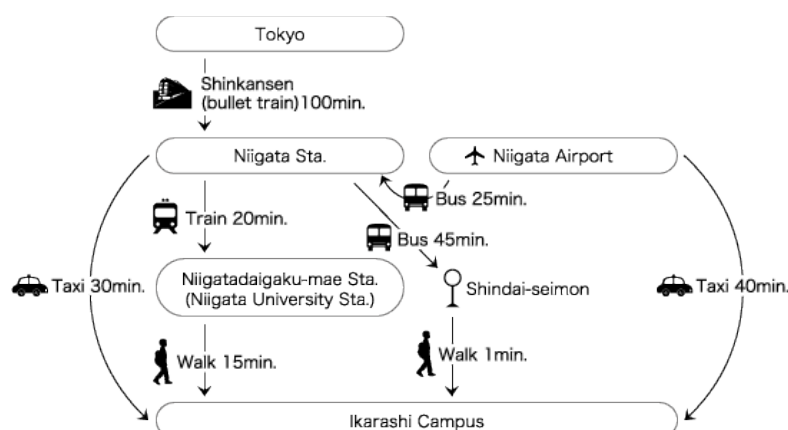
About Niigata University: <https://www.niigata-u.ac.jp/en/>

Map: <https://www.niigata-u.ac.jp/en/access/ikarashi/>

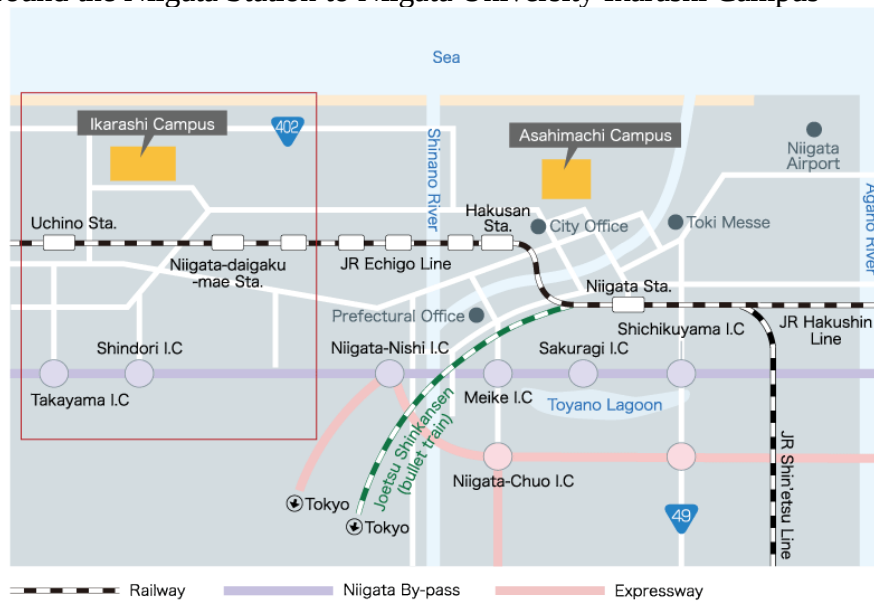
Niigata city is capital city of Niigata Prefecture, facing the Sea of Japan. It is the only ordinance- designated city and the largest city with a population of 775,000 on the Sea of Japan side of Honshu Island. Most of Niigata Prefecture is covered by the Fossa Magna, which began uplifting about 3 million years ago. The land is mainly composed of sand and mud deposited on the sea floor and is prone to landslides and other landslides. In addition, the earth is deformed by compressive forces applied from the east and west due to plate movement, and several hills extending from north to south, such as the Niitsu Hills and the Nishiyama Hills, have been formed. Weak areas of the earth are faulted and cause seismic disasters. Surrounding the Fossa Magna are the Iide Mountains, the Echigo Mountains, the Hida Mountains, and other 2,000-meter-high mountains from the east to the south. The warm and humid air from the Sea of Japan hits these mountains and mountain ranges, causing heavy rainfall and heavy snowfall, which often results in snow disasters, floods, and landslides.

ACCESS

Access from Tokyo



From your hotel around the Niigata Station to Niigata University Ikarashi Campus



Train: Take train from “Niigata Station” to “Niigata University Station(新潟大学前駅)”, then walk about 1.0 km about 40 mins.

Bus: From “No. 7 Stop at Niigata Station” take buses W21 (for Shindai Nishimon(新大西門)or Uchino Eigyocho (内野営業所) to “Shindai Nakamon(新大中門)” about 51 mins

Taxi: For “Niigata University”, about 30 mins.

Ikarashi Campus Map





THE TENTATIVE WORKSHOP PROGRAM

October 29, 2024

Participants arrive in Niigata city

19:00-21:00 Welcome party near Niigata Station

October 30, 2024

08:30-09:00 Registration

09:00-09:15 Opening Ceremony

09:15-10:00 Keynote Speech

10:00-10:30 Coffee break

10:30-12:30 Workshop Session

12:30-13:30 Lunch

13:30-17:30 Workshop Session

18:00-20:00 Banquet

October 31, 2024

09:00-11:00 Workshop

11:00-11:15 Closing Ceremony

12:00 Departure from Niigata University

13:30-15:30 Visit to Takisaka Landslide

16:00-17:00 Visit to Tsuruga Castle

18:00-20:00 Dinner in Aizu Wakamatsu City

November 1, 2024

08:00 Depart from Aizu Wakamatsu City

09:30-11:00 Visit to Goshiki-Numa ponds

11:00-11:15 Short time cruising on Lake Hibara

12:30-13:30 Lunch

13:30 Departure from Lake Hibara

15:00 Arrive at Niigata Station

PRESENTATION

26 oral presentations are assumed in the workshop. Those presentations will be arranged into 5 sessions. Each presentation will have 10 minutes talk and 5 minutes discussion, totally 15 minutes. Organizing committee will prepare windows PC, screen monitor and laser pointer. If you wish to use your own computer, please note that only HDMI connection cable is available.

REGISTRATION FEE

Payment of registration, banquet and field trip fees will be made at the reception desk on 30th morning. Only cash in Japanese yen is acceptable. In case that the cash payment is impossible depending on each institution, later payment to an individual account is also acceptable.

Participants from Japan:
Registration fee JPY5,000
Banquet fee JPY5,000
Field trip fee JPY10,000

Participants from outside of Japan:
Registration fee free of charge
Banquet fee free of charge
Field trip fee JPY10,000

ACCOMMODATIONS

Reservation of hotel rooms should be made by the participants personally through internet. The following hotels are convenient to the venue and provide rooms at a reasonable price.

- Hotel Global View Niigata: <https://www.rio-hotels.co.jp/niigata/en/>
- APA HOTEL&RESORTS Ekimae Odori
<https://www3.apahotel.com/ja/hotel/koshinetsu/niigata/niigata-ekimae-oodoori/>
- Toyoko Inn Niigata-ekimae: <https://www.toyoko-inn.com/index.php/search/detail/00060/>
- Hotel Livemax Niigata-ekimae: <https://www.hotel-livemax.com/niigata/niigatast/>
- Hotel Alpha One Niigata: <https://www.alpha-1.co.jp/niigata/>
- Dormy Inn Niigata: <https://www.hotespa.net/hotels/niigata/>

The organizing committee will book hotel rooms during the field trip (night of 31th Oct.) altogether.

IMPORTANT DATES

Aug. 31, 2024 :	Abstract submission deadline (half page)
Mid-Sep. 2024:	2nd Circular distribution
Sep. 30, 2024:	Extended abstract submission deadline (4 pages)
Oct. 4, 2024:	Participation registration deadline
Oct. 11, 2024:	Distribution of the digital version of the abstract booklet
Oct. 30- Nov.1, 2024	Workshop & Field trip

ADVISORY AND ORGANISING COMMITTEES

Advisory Committee

Masaharu Fujita (Sabo Technical Center, Japan)
Djoko Legono (Gadjah Mada Univ., Indonesia)
Kuniaki Miyamoto (Nippon Koei Co., Ltd., Japan)
Chjeng-Lun Shieh (National Cheng Kung Univ., Taiwan)

Organizing Committee

Yutaka Gonda (Niigata Univ., Japan)
Daizo Tsutsumi (Mie Univ., Japan)

Contact and abstracts submission
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