

Second Announcement

2014 International Debris-Flow Workshop

October 2-3, 2014 Tainan, Taiwan

Background

As the climate change, different varieties of natural hazards occurred at Asia become more serious in the past several years. Due to the geological and hydro-metrological conditions, Asia becomes the most prone to sediment-related disasters in the world. More than 400 people died in the compound disasters caused by heavy rainfall on August 8, 2009 is seriously concerned by the Taiwan government. On the other hand, two villages were buried and 1,765 persons were killed in the large-scale debris flow event on August 8, 2010 at Zhouqu County, Gansu Province, China. In the next recent years, flood, landslide and debris flow happened at Southeast and South Asia were recognized as major disaster issues by the national public.

The Asian Network on Debris Flow (ANDF) was proposed to provide a platform to hold academic workshops and trainings, to promote the project collaboration, to improve the debris flow study and mitigation technology in all Asian countries. The International Workshop of ANDF has been scheduled to hold every two years since 2010. The “2014 International Debris-Flow Workshop” will be held at National Cheng Kung University in Tainan from October 2 to 3, 2014.

Objective

The ANDF Workshop will provide a forum for debris flow researchers to exchange ideas and share experiences on how to cope with debris-flow hazards using the most advanced, state-of-art methodologies in mechanics as well as in hazard prediction, compound disaster prevention and risk assessment. How to strengthen the international cooperation of debris-flow research and sediment-related disaster mitigation is the other focus of this Workshop.

Topics

1. Process and Mechanics of Debris-Flow
2. Numerical Modeling of Debris-Flow
3. Risk Assessment of Debris-Flow
4. Observations and Measurements of Debris-Flow
5. Debris-Flow Countermeasures (Hardware & Software)
6. Debris-Flow Related to the Human Activity and Eco-environment
7. International Cooperation on Debris-Flow Countermeasures
8. Autonomous Community Development for Disaster Prevention
9. Special Topics
 - (1) Deep-seated Landslide & Landslide Dam Related Research
 - (2) Watershed-Scale Sediment Budget Management

Language : English (no simultaneous interpretation)

Submission

The abstract should completely present the outline and main points of the paper and give the principal conclusions, and the abstract should be a single paragraph of no more than 300 - 400 words with the heading Abstract centered. Add “Keywords” (three to six items) after the abstract. Use the “Times” font with the size of 12 pt. Note that 14-pt fonts should be used for the paper title. Abstracts should be prepared in A4-sized (210mm x 297mm) white papers. Keep proper margins on top (2.54 cm), bottom (2.54 cm), left (3.18 cm) and right (3.18 cm), respectively. The text should be typed in single space.

Abstract and full paper format download: <http://www.dprc.ncku.edu.tw/2014ANDF/>

Abstract and full paper submission form by email attachments to 2014andf@gmail.com

The manuscripts with high academic quality evaluated by Academic Committee will be recommended to *Journal of Mountain Sciences* (SCI), *International Journal of Sediment Research* (SCI), *Frontiers of Earth Science* (SCI), *Journal of Chinese Soil and Water Conservation* and *Journal of the Taiwan Disaster Prevention Society* to review and publish.



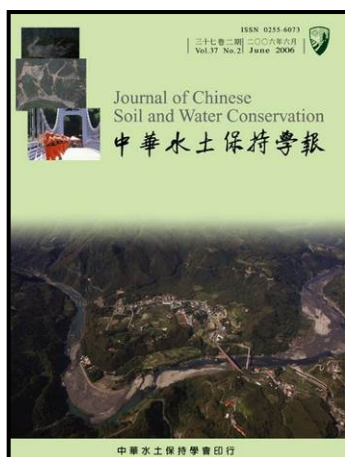
International Journal of Sediment Research



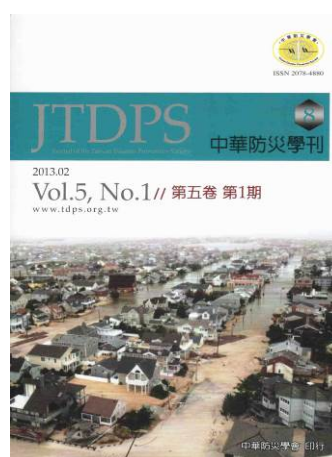
Journal of Mountain Science



Frontiers of Earth Science



Journal of Chinese Soil and Water Conservation



Journal of the Taiwan Disaster Prevention Society

Important dates

Deadline for Abstract Submission	Feb. 17, 2014 (MON)
Acceptance Notification	Mar. 10, 2014 (MON)
Deadline for Full-text Paper Submission	Jun. 16, 2014 (MON)
Opening of Registration	Jun. 23, 2014 (MON)
Deadline of Registration	Aug. 1, 2014 (FRI)
Check-In Day	Oct. 1 (WED)
Workshop Period	Oct. 2 - 3, 2014 (THU - FRI)
Field Trip	Oct. 4 - 5, 2014 (SAT - SUN)

Registration

Registration fee will cover the reception, participation in the scientific sessions, abstract proceeding and disk, lunches and welcome party during the period of meeting.

Registration Category		Fee (US\$)
Deadline of Registration, Aug 1, 2014 (FRI)	Participants	\$ 200
	Students	\$ 100
On-site Registration	Participants	\$ 300
	Students	\$ 150

Committee and Co-host

Organizers

Disaster Prevention Research Center, NCKU
Department of Hydraulic and Ocean Engineering, NCKU

Workshop Chairman

Chjeng-Lun Shieh, Ph. D
Prof. of Hydraulic and Ocean Engineering Department, NCKU
Director of Disaster Prevention Research Center, NCKU

Technical Advisor

Shinji Egashira, Ph. D
Advisor, NEWJEC Inc.
Guest Professor, Graduate Research Institute for Policy Studies

Co-organizers

National Taiwan University (NTU)
National Central University (NCU)
National Chiao Tung University (NCTU)
National Chung Hsing University (NCHU)
Chang Jung Christian University (CJCU)
National Kaohsiung First University of Science and Technology (NKFUST)
National Pingtung University of Science and Technology (NPUST)

Sponsors

Ministry of the Interior
National Science Council
National Science and Technology Center for Disaster Reduction
Water Resources Agency, Ministry of Economic Affairs
Central Geological Survey, Ministry of Economic Affairs
Forestry Bureau, Council of Agriculture
Soil and Water Conservation Bureau, Council of Agriculture
Tainan City Government

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Deputy Chair : Kuang-Jung Tsai, Chang Jung Christian University
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Wen-Chi Lai, Disaster Prevention Research Center, NCKU
Yun-Chung Tsang, Disaster Prevention Research Center, NCKU
Shin-Ping Lee, Disaster Prevention Research Center, NCKU
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Chih-wei Lu, National Kaohsiung First University of Science and Technology
Yi-Lung Yeh, National Pingtung University of Science and Technology

Workshop Venue

Venue

International Conference Hall, National Cheng Kung University, Tainan, Taiwan.
Please see attached photo 1.

Transportation

1. Driving Directions

From the North

1. Take National Freeway No.1 (Sun Yat-Sen Freeway) southbound.
2. Get off at Exit 319 (Yongkang Interchange) and turn right to southbound Chungcheng N. Road.
3. Travel down on Chungcheng N. Road and Chungcheng S. Road, and make a left turn at Chunghwa Road.
4. Drive down Chunghwa Road and Chunghwa East Road.
5. Turn right at Shiaodong Road and travel along it for a few blocks further, about 1.2 km, to reach NCKU.

(If you drive on National Freeway No.3 Southbound, at Exit 346 (Shinhua System), take National Freeway No.8 Westbound (Exit 6, Tainan System Interchange) to get on National Freeway No.1 Southbound to Exit 319)

From the South-

1. Take National Freeway No.1 (Sun Yat-Sen Freeway) northbound.
2. Get off at Exit 327 (Tainan Interchange) and turn left to westbound Chungshang Road.

3. Travel on Chungshang Road and continue on Dongmen Road.
4. Make a right turn at either Chang Rung Road or Sheng-Li Road, and travel for about 1.1 km to NCKU.

(If you take National Freeway No.3 Northbound, at Exit 357 (Guanmiao Interchange), take No.86 Expressway westbound (Exit 8, Rende System Interchange) to get on National Freeway No.1 northbound to Exit 327)

2. Public Transportation

By Train

1. Take TRA Train to Tainan Station.
2. NCKU is located on Ta-Shueh (University) Road about 100m from the rear entrance of Tainan Station.

By THSR (Taiwan High Speed Rail)

1. Take Taiwan High Speed Rail to Tainan Station.
2. Take the free shuttle bus, which takes about 40 mins to NCKU, and get off at the bus stop of Tzu-Chiang Campus or Shiaodong Road to visit Cheng-Kung Campus, Kuang-Fu Campus and Chien-Kuo Campus.

For more information on the shuttle to / from THSR Station:

http://www.thsrc.com.tw/en/destinations/des_transfer.asp

From Kaohsiung International Airport (KHH)

1. Take Kaohsiung MRT from the Airport Station (R4) to Kaohsiung Main Station (R11) for TRA Train or Zuoying HSR Station (R16).
2. (a) Take the THSR Train from Zuoying to Tainan Station, and the traveling time is about 15 minutes, or (b) Take TRA from Kaohsiung Main Station to Tainan TRA Station, which usually takes about 35 minutes on express trains.

From Taiwan Taoyuan International Airport (TPE)

1. Take a taxi or shuttle bus from the airport to THSR Taoyuan Station, which takes about 20 minutes.
2. Take the THSR train from Taoyuan Station to Tainan Station.

Accommodation

1. Zenda Suites.
<http://www.zendasuites.com.tw/en/about.php>
2. Shangri-La's Far Eastern Plaza Hotel.
<http://www.shangri-la.com/tainan/fareasternplazashangrila/>
3. Hotel-Tainan.
<http://www.hotel-tainan.com.tw/English/emain.htm>

Please see attached photo 1.



Photo 1 Location of International Conference Hall and accommodation

Contact Persons

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About Tainan City and NCKU

1. Tainan City
<http://www.tainan.gov.tw/tainanE/>
2. National Cheng Kung University
<http://english.web.ncku.edu.tw/ezfiles/5/1005/img/1322/103191088.pdf>

Field Trip

2-day trip : Tainan→Laiyi Village, Pingtung→Sihjhongsi hotsprings→Tainan

During Typhoon Fanapi in 2010, the accumulated rainfall was 628.5 mm and 1 hour-maximum rainfall was 71 mm causing Laiyi Village suffered by severe inundation and sediment disaster. In the confluence of NeiShe River and LaiShe River, the river bed was uplifting over 16 meters. The Eastern Laiyi near the confluence of rivers, the riverbed increase about 10 meters and the elevation of most areas was lower than the riverbed. The elevation of most area in Western Laiyi was lower than the riverbed hence some house inundation depth reach to 2nd floor.

In Laiyi Village there were 19 houses completely buried, 33 houses half-buried by sediment, and the road connect two villages was destroyed. The landslide area in the upstream watershed was about 351 hectare and might result in $2,500 \times 10^5 \text{ m}^3$ sediment transport to downstream village.



Photo 2 Aerial photography of Laiyi Village after Typhoon Fanapi



Photo 3 Sediment disaster of Laiyi Village caused by Typhoon Fanapi

More Information

To request specific information on the workshop and field trips, to submit an abstract, to pay the registration fees, and if you need any other help or assistance, please contact with us.