

**G1/ The 2nd International Workshop on Multimodal Sediment Disaster
—Asian Cloud Network on Disaster Research**

Agenda (議程)

Date: Tuesday, October 25, 2011

Venue : International Conference Room (NO. 1)

Time	Title/Speaker		Chair
13:30~13:40	Opening Ceremony : Prof. Chyan-Deng Jan (詹錢登) / National Cheng Kung University, Taiwan Prof. Djoko Legono / Gadjah Mada University, Indonesia		
Keynote Speech			
13:40~14:20	G1-K-1	Lahar Flow Early Warning System of Code River at Yogyakarta City as Developed through a Collaborative-Based Approach (透過合作開發的 Yogyakarta 市 Code 河火山灰流早期預警系統) <i>Djoko Legono</i>	Prof. Chyan-Deng Jan (詹錢登) Prof. Kuniaki Miyamoto (宮本邦明)
14:20~15:00	G1-K-1	Typhoon Characteristics and Their Effects on ANN-Based Hourly Flood Forecasting Models (颱風特性及其效應-以類神經網路為基礎的洪水預報模式) <i>Gwo-Fong Lin (林國峰)</i>	
15:00~15:20	Tea Break		
Session 1			
15:20~15:40	G1-1-1	Creeping Land Movement of Nanhen Tianchih, Kaohsiung (南橫天池潛移山崩事件之研究) <i>Chih-Yu Kuo (郭志禹)</i>	Prof. Chjeng-Lun Shieh (謝正倫) Prof. Masaharu Fujita (藤田正治)
15:40~16:00	G1-1-2	On the Formulation of the Governing Equations for Gravity-Driven Shallow Flows over General Topography (一般地形下受重力驅動建立淺水流之控制方程式) <i>Yih-Chin Tai (戴義欽)</i>	
16:00~16:20	G1-1-3	Simulations for Prediction of a Serious Sequent Pyroclastic Flow Related to the Eruption of Mt. Merapi on 24th Oct. 2010 <i>Kuniaki Miyamoto (宮本邦明)</i>	
16:20~16:40	G1-1-4	Debris-Flow Events and Simulations in Qianghuangkeng Stream, Tainan, Taiwan (羌磺坑土石流事件及其模擬) <i>Chyan-Deng Jan (詹錢登)</i>	
16:40~17:00	G1-1-5	Influence of Rainfall Patterns during Typhoon on Shallow Landslides (颱風降雨形態對淺層崩塌的影響) <i>Agus Setyo Muntohar</i>	
17:00~17:20	G1-1-6	Collapsing process of uniform granular slopes (均勻顆粒坡面的崩壞過程) <i>Hsien-Ter Chou (周憲德)</i>	
17:20~17:30	Discussion ; Prof. Chjeng-Lun Shieh (謝正倫) & Prof. Masaharu Fujita (藤田正治)		

Date: Wednesday, October 26, 2011

Venue : International Conference Room (NO. 1)

Time	Title/Speaker		Chair
09:00~09:10	Greeting Words : Prof. Kuniaki Miyamoto (宮本邦明) / Tsukuba University, Japan		
Keynote Speech			
09:10~09:50	G1-K-1	An Sope Failure Index and a Warning System for Slope Failures at an Extreme Rainfall Event under Climate Change (氣候變遷造成極端降雨下的坡面破壞指數及預警系統) <i>Masaharu Fujita</i> (藤田正治)	Prof. Kuniaki Miyamoto (宮本邦明)
Session 2			
09:50~10:10	G1-2-1	Basin-wide Monitoring Network for Debris Flow-Application of Portable Units (全流域土石流觀測網路-可攜式單元的應用) <i>Tien-Yin Chou</i> (周天穎)	Prof. Djoko Legono Prof. Chin-Wei Lu (盧之偉)
10:10~10:30	G1-2-2	GIS-based Multi-modal Sediment Disaster (MSD) Simulator on Cloud Computing (以 GIS 為基礎的災害模擬雲端計算) <i>Min-Lang Huang</i> (黃敏郎)	
10:30~10:50	Tea-Break		
Session 3			
10:50~11:10	G1-3-1	Landslides related to terrain curvatures in Ai-Liao Xi Basin, South Taiwan (隘寮溪集水區崩塌形態與坡面曲率之關係) <i>Tien-Chien Chen</i> (陳天健)	Prof. Tien-Yin Chou (周天穎) Prof. Yutaka Gonda (権田豊)
11:10~11:30	G1-3-2	Development of Early Warning System for Rainfall-induced Landslide in Indonesia (降雨引發之崩塌的早期預警系統研發) <i>Teuku Faisal Fathani</i>	
11:30~11:50	G1-3-3	Evaluation of Groundwater Recharge Plan and Effectiveness on the Channel of Cho-Shui River in Taiwan (濁水溪河道地下水補注計畫與有效性評估) <i>Jet-Chau Wen</i> (溫志超)	
11:50~12:10	G1-3-4	Landslides Induced by Tohoku - Pacific Ocean Earthquake, 2011 (2011 東太平洋地震引發之崩塌) <i>Daizo Tsutsumi</i> (堤大三)	
12:10~12:30	Discussion : Prof. Djoko Legono, Prof. Chin-Wei Lu, Prof. Tien-Yin Chou & Prof. Yutaka Gonda		
12:30~13:30	Lunch		
Session 4			
13:30~13:50	G1-4-1	Comparison of Long-term Fluctuation in Sediment Discharge Between Two Mountain Basins After Huge Landslides (大規模崩塌後二個山區流域長期受輸沙擾動之比較) <i>Norifumi Hotta</i> (堀田紀文)	Prof. Yih-Chin Tai (戴義欽) Dr. Daizo Tsutsumi (堤大三)
13:50~14:10	G1-4-2	A Study of Failure Mechanism of Deep Landslide Occurring in Hsiaolin Village due to Typhoon Morakot (小林村深層崩塌之破壞機制) <i>Chih-Wei Lu</i> (盧之偉)	
14:10~14:30	G1-4-3	Extreme Wind Over a Pine Coastal Forest Established for Sand-Control at Aoyama of Niigata in Japan (日本新潟 Aoyama 地區所建置之松樹海岸防風林) <i>Yutaka Gonda</i> (権田豊)	

14:30~14:50	G1-4-4	Object-Oriented Implementation of Frequency Analysis Using Frequency Factors (以頻率因子法進行頻率分析的物件導向程式實作) <i>Chun-Ming Wang</i> (王俊明)	Prof. Yih-Chin Tai (戴義欽) Dr. Daizo Tsutsumi (堤大三)
14:50~15:10	Discussion : Prof. Yih-Chin Tai (戴義欽) & Dr. Daizo Tsutsumi (堤大三)		
15:10~15:20	Closing Ceremony : Prof. Yih-Chin Tai (戴義欽) / National Cheng Kung University, Taiwan Prof. Masaharu Fujita (藤田正治) / Kyoto University, Japan		

G2/ 2011 International Symposium on Natural Disaster Prevention — Coping with Extreme Flood and Sediment-related Disasters

Agenda (議程)

Date: Tuesday, October 25, 2011

Venue : International Conference Room (NO. 2)

Time	Title/Speaker		Chair
13:30~13:40	Opening Ceremony : Prof. Chjeng-Lun Shieh (謝正倫) / Director of DPRC, NCKU		
Keynote Speech			
13:40~14:20	G2-K-1	Disaster Documentation and Assessment (災害記錄與評估) <i>Gernot Fiebiger</i>	Prof. Chjeng-Lun Shieh (謝正倫)
Session 1			
14:20~14:40	G2-1-1	Watershed Sediment Dynamics and Its Formulation into an Integrated Modeling System (整合型模式於集水區土砂運動之建置及應用) <i>Guangqian Wang (王光謙)</i>	Dr. Joerg Heumader Prof. Yie-Ruey Chen (陳怡睿)
14:40~15:00	G2-1-2	Activity Characteristics and Prevention Countermeasures of Debris Flow after "5.12" Wenchuan Devastating Earthquake (5.12 汶川大地震後土石流活動特性及防治措施) <i>Peng Cui (崔鵬)</i>	
15:00~15:20	Tea Break		
Session 2			
15:20~15:40	G2-2-1	The Comprehensive Mitigation Strategy and Technical Works in the Stubenbach-Torrent after the Flood of 2005 Stubenbach (2005 年洪水後 Stubenbach 野溪全面性治理策略) <i>Christian Weber</i>	Prof. Su-Chin Chen (陳樹群) Dr. Taro Uchida (內田太郎)
15:40~16:00	G2-2-2	The Process of Self-destruction was Accelerated by Human (人類在加速自我毀滅的進程) <i>Jianping Chen (陳建平)</i>	
16:00~16:20	G2-2-3	Analysis of Geometries of Landslide Dams in Taiwan (臺灣地區堰塞湖的幾何形狀分析) <i>Yu-Shu Kuo (郭玉樹)</i>	
16:20~16:40	G2-2-4	Sabo Dams-Functions, Experiences, Problems (防砂壩之功能、實務經驗及問題之探討) <i>Joerg Heumader</i>	
16:40~17:00	G2-2-5	Monitoring of movements of Unzen lava dome (Unzen 火山熔岩運動之監測) <i>Senro Kuraoka (倉岡千郎)</i>	
17:00~17:20	G2-2-6	Comparing Support Vector Machine and Fuzzy Inference Model for Real-time Updating of Flow Forecasting (支援向量機和模糊推理模式應用在流量預測即時更新之比較) <i>Pao-Shan Yu (游保杉)</i>	
17:20~17:40	G2-2-7	Experimental studies on debris flow with logs focusing on specific weight difference of log species (不同種類及比重之漂流木在土石流中運移特性之試驗) <i>Haruki Watabe (渡部春樹)</i>	

Date: Wednesday, October 26, 2011

Venue: International Conference Room (NO. 2)

Time	Title/Speaker		Chair
09:00~09:10	Greeting Words: Prof. Takahisa Mizuyama (水山高久) / Kyoto University, Japan		
Keynote Speech			
09:10~09:50	G2-K-2	How Japan Struggles against the Sediment-related Disasters (日本面對土砂災害所做的努力) <i>Shun Okubo</i> (大久保駿)	Prof. Kun-Yeun Han (韓健淵)
Session 3			
09:50~10:10	G2-3-1	Integrated Flood Management against Climate Change in Korea (韓國面對氣候變遷的整合性洪災治理) <i>Kun-Yeun Han</i> (韓健淵)	Prof. Liang-Hsiung Huang (黃良雄) Prof. Guangqian Wang (王光謙)
10:10~10:30	G2-3-2	The Interaction between Woody Debris and Channel Morphology in a Taiwan Mountain Stream (臺灣山區溪流漂流木及溪床型態之交互作用研究) <i>Su-Chin Chen</i> (陳樹群)	
10:30~10:50	Tea Break		
Session 4			
10:50~11:10	G2-4-1	Deep Catastrophic Landslides: Characterization Classification and Prediction (大範圍深層崩塌之特徵描述、分類及預測) <i>Taro Uchida</i> (內田太郎)	Dr. Christian Weber Prof. Yu-Shu Kuo (郭玉樹)
11:10~11:30	G2-4-2	Estimation of the most suitable window size of slope relief for the assessing scale of landslides due to the earthquake (評估地震引發之崩塌規模所需最適坡度分析視窗大小之研究) <i>Nagazumi Takezawa</i> (武澤永純)	
11:30~11:50	G2-4-3	Clarifying surface shape of mass rock creep revealed by using airborne LiDAR (以空載光達掃描成果判釋岩體潛變表面幾何特性之研究) <i>Osamu Yokoyama</i> (橫山修)	
11:50~12:10	G2-4-4	Construction of Evaluation Model for Landslides Potential due to Slope Land Use (坡地利用影響山崩潛勢之評估模式建置) <i>Yie-Ruey Chen</i> (陳怡睿)	
12:10~12:30	Discussion : Dr. Christian Weber & Prof. Yu-Shu Kuo		
12:30~12:40	Closing Ceremony : Prof. Kuang-Jung Tsai (蔡光榮) / Chang Jung Christian University, Taiwan		

G3/The 7th Taiwan-Japan Joint Seminar on Natural Hazard Mitigation in 2011 —Typhoon MORAKOT & 311Earthquake in Japan

Agenda (議程)

Date: Tuesday, October 25, 2011

Venue: International Conference Room (NO. 3)

Time	Title/Speaker		Chair
13:30~13:40	Opening Ceremony : Prof. Ching-Wee Lin (林慶偉) / National Cheng Kung University, Taiwan		
Keynote Speech			
13:40~14:20	G3-K-1	Active Fault Observation and Research on Earthquake Potential in Taiwan(台灣活動斷層與地震潛勢監測研究) <i>Chao-Chung Lin</i> (林朝宗)	Prof. Ching-Wee Lin (林慶偉)
Session 1			
14:20~14:40	G3-1-1	The 2011 of the Pacific Coast of Tohoku Earthquake: Forecast and Observations (東日本地震的潛勢預估與觀測) <i>Masataka Ando</i> (安藤雅孝)	Prof. Tai-Wen Hsu (許泰文)
14:40~15:00	G3-1-2	Inferred Fault Geometry and Slip Distribution of the 2010 Jiashian Earthquake, Taiwan (2010年甲仙地震的斷層型態與滑移分布研究) <i>Ruey-Juin Rau</i> (饒瑞鈞)	Dr. Naoji Koizumi (小泉尚嗣)
15:00~15:20	Tea Break		
Session 2			
15:20~15:40	G3-2-1	Slip Distribution of the 2011 Tohoku-oki Earthquake (東日本地震的斷層滑移量分布) <i>Yuichiro Tanioka</i> (谷岡勇市郎)	Prof. Masataka Ando (安藤雅孝) Prof. Ruey-Juin Rau (饒瑞鈞)
15:40~16:00	G3-2-2	Ocean Current Simulation and Characteristics Analysis in the Southwestern Sea of Taiwan (台灣西南部海潮模擬與特性分析) <i>Tai-Wen Hsu</i> (許泰文)	
16:00~16:20	G3-2-3	Groundwater Changes Related to the 2011 off the Pacific Coast of Tohoku Earthquake (M9.0) (東日本地震引致地下水變化分析) <i>Naoji Koizumi</i> (小泉尚嗣)	
16:20~16:40	G3-2-4	Evaluation of the Dynamic and Static Effects on Earthquake-Induced Groundwater Level Changes in Taiwan(台灣地震引致地下水變化動態及靜態效應分析) <i>Wen-Chi Lai</i> (賴文基)	
16:40~17:00	G3-2-5	Interplate Coupling in the Ryukyu Trench: Possibility of Large Interplate Earthquakes and Mega-Tsunamis (琉球海溝的板塊耦合現象：未來是否會引致大型地震與海嘯) <i>Mamoru Nakamura</i> (中村衛)	
17:00~17:20	G3-2-6	Seismic Response of Dissolved Gas in Groundwater (地下水中溶解氣體的地震反應與變化) <i>Fumiaki Tsunomori</i> (角森史昭)	
17:20~17:30	Discussion : Dr. Wen-Chi Lai (賴文基) & Dr. Naoji Koizumi (小泉尚嗣)		

Date: Wednesday, October 26, 2011

Venue: International Conference Room (NO. 3)

Time	Title/Speaker	Chair
09:00~09:10	Greeting Words : Dr. Ching-Te Lai (賴清德 市長) / Mayor of Tainan City Government	

Keynote Speech

09:10~09:50	G3-K-2	River embankment damage by the 2011 Tohoku Region Pacific Coast Earthquake (東日本地震中河堤及河工構造損壞及修復對策) <i>Hajime Nakagawa</i> (中川一)	Dr. Chun-Zuo Yan (顏純左) Prof. Chjeng-Lun Shieh (謝正倫)
09:50~10:30	G3-K-3	A tactical flooding rescue deployment plan for the greater Tainan City (大台南市淹水搶救災作為) <i>Ming-Feng Lee</i> (李明峯)	

10:30~10:50	Tea Break		
-------------	-----------	--	--

Session 3

10:50~11:10	G3-3-1	The 2011 off the Pacific coast of Tohoku Earthquake and Damage of Road/ Railway Structures (東日本地震造成的公路/鐵路設施損害情形) <i>Yoshikazu Takahashi</i> (高橋良和)	Prof. Liang-Chun Chen (陳亮全) Dr. Mei-Lin Chen (陳美伶)
11:10~11:30	G3-3-2	Countermeasure for Tsunami and Their Applicability in 2011 East Japan Earthquake Tsunami (海嘯的防範對策及東日本地震中之功效檢討) <i>Tesyta Hiraishi</i> (平石哲也)	
11:30~11:50	G3-3-3	Using Games in Participatory Community Disaster Risk Management (藉由遊戲參與方式推動社區風險管理的新手法) <i>Katsuya Yamori</i> (矢守克也)	
11:50~12:10	G3-3-4	Implications of the Great Eastern Japan Earthquake for Infrastructure Planning and Management (東日本地震基礎設施的復建規劃與管理) <i>Hirokazu Tutano</i> (多多納裕一)	

12:10~12:30	Discussion : Prof. Liang-Chun Chen (陳亮全) & Director Ming-Feng Lee (李明峯)		
-------------	---	--	--

12:30~13:30	Lunch		
-------------	-------	--	--

Session 4

13:30~13:50	G3-4-1	The recent developments and applications of science and technology on emergency response to hydro-meteorological disasters in Taiwan (台灣水文-氣象災害緊急應變科技研發及應用近況) <i>Liang-Chun Chen</i> (陳亮全)	Prof. Tesyta Hiraishi (平石哲也) Prof. Hsiao-Wen Wang (王筱雯)
13:50~14:10	G3-4-2	A Study on Management Strategies of Sediment Disaster in Gaoping River Basin during Typhoon Morakot (莫拉克風災災後高屏河流域土砂管理策略) <i>Wen-Sheng Liang</i> (梁文盛)	
14:10~14:30	G3-4-3	Debris Flow Disaster Management in Taiwan (台灣土石流防災策略) <i>Hsiao-Yuan Yin</i> (尹孝元)	

14:30~14:50	G3-4-4	Automatic Real-Time Flood Prediction System in Taiwan (台灣洪水自動即時演算預報系統) <i>Ho-Cheng Lien</i> (連和政)	Prof. Tesyta Hiraishi (平石哲也)
14:50~15:10	G3-4-5	Decision Support System for Lowland Flood Management (低地洪災管理決策支援系統) <i>Hsiao-Wen Wang</i> (王筱雯)	Prof. Hsiao-Wen Wang (王筱雯)
15:10~15:30	Discussion : Prof. Tesyta Hiraishi (平石哲也) & Prof. Hsiao-Wen Wang (王筱雯)		
15:30~15:40	Closing Ceremony : Prof. Chjeng-Lun Shieh (謝正倫) / Director of DPRC, NCKU Prof. Hajime Nakagawa (中川一) / Kyoto University, Japan		

