

Workshop on

Seismic Hazard Assessment Issues in the island arc of Taiwan and Japan

Location, Kwoh-Ting Library Conference room 國鼎圖書館, National Central University, Taiwan

June 4th, 2012

Time	Titles	Conveners/Speakers
Conveners : Kuo-Fong Ma		
09:00 - 09:10	Opening address	Dean, Chien-Ying Wang
09:10 - 09:40	Seismic Hazard Assessment for Japan after the 2011 Great East Japan Earthquake	Hiroyuki Fujiwara (NIED)
09:40 - 10:00	Earthquake probability mapping and hazard mitigation program in Taiwan	Kuo-Liang Wen (NCU)
10:00 - 10:30	Probabilistic seismic hazard assessment in general issues	Ken Xiansheng Hao (NIED)
10:30 - 10:50	Coffee Break	
Conveners : Ruey-Juin Rau and Ken Xiansheng Hao		
10:50 - 11:20	Strong motion observation networks in Japan	Shin Aoi (NIED)
11:20 - 11:40	Seismic network and earthquake rapid report in Taiwan	Peih-Lin Leu and Nai-Chi Hsiao (CWB)
11:40 - 12:00	Compilation of Historical Earthquakes in Taiwan	Shih-Nan Cheng (CYU)
12:00 - 12:20	Active faults and seismic source identification in Taiwan	Bruce H. Shyu (NTU)
12:20 - 13:20	Lunch Break	
Conveners : Shiann-Jong Lee and Shin Aoi		
13:20 - 13:50	Construction of the detail 3D velocity structure	Hisanori Matuyama (OYO)
13:50 - 14:10	Seismic profiles from TAIGER project	Chien-Ying Wang (NCU)
14:10 - 14:30	3D velocity model of Taiwan: achievements and challenges	Li Zhao (IES)
14:30 - 15:00	Long-period ground motion simulation of great Nankai Trough, Japan, earthquakes	Takahiro Maeda (NIED)
15:00 - 15:20	Coffee Break	
Conveners : Li Zhao and Takahiro Maeda		
15:20 - 15:50	Earthquake Early Warning in Japan	Hiromitsu Nakamura (NIED)
15:50 - 16:10	Developing of Earthquake Early Warning in Taiwan	Yih-Min Wu (NTU)
16:10 - 16:30	GPS observation and modeling in Taiwan	Ruey-Juin Rau (NCKU)
16:30 - 16:50	Review the 1906 Meishan earthquake and active tectonics around the Chia-Yi area	Yuan-Hsi Lee (NCCU)
16:50 - 17:10	Investigation of the site effect in the Chia-Yi area, southwestern Taiwan	Huey-Chu Huang (NCCU)
17:10 - 17:30	Building up Finite-Fault models for ground motion prediction program of Taiwan: Problems and Challenges	Kuo-Fong Ma (NCU)
18:00	Dinner Banquet	

June 5th, 2012

Time	Titles	Speakers
Conveners: Kuo-Liang Wen and Hiromitsu Nakamura		
09:00 - 09:20	Ground Motion Prediction Equation (GMPE) for Taiwan	Po-Shen Lin (SinoTech)
09:20 - 09:40	Earthquake Hazard Map of Taiwan	Thomas Chin-Tung Cheng (Sino-Tech)
09:40 - 10:00	3D waveforms simulation for earthquakes and scenario events	Shiann-Jong Lee (IES)
10:00 - 10:30	Scenario earthquake shaking maps in Japan	Nobuyuki Morikawa (NIED)
10:30 - 10:50	Coffee Break	
Conveners: Thomas Chin-Tung Cheng and Nobuyuki Morikawa		
10:50 - 11:20	Synthesis of high-frequency ground motion for broad-band strong motion prediction in Kanto area	Asako Iwaki (NIED)
11:20 - 11:40	Synthesis of high-frequency ground motion using Empirical Green's Functions	Yin-Tung Yen (SinoTech)
11:40 - 12:00	Current Status and Future Vision of Taiwan Earthquake Loss Estimation System	Chin-Hsun Yeh and Gee-Yu Liu (NCREE)
Conveners: Kuo-Fong Ma and Hiroyuki Fujiwara		
12:00 - 12:30	Discussion	
12:30 - 14:00	Lunch Break	
14:00 -15:00	Departure for Visiting NCREE (National Center of Research for Earthquake Engineering)	
15:00 -17:00	Visiting NCREE	
17:00 -	Departure for Academia Sinica	

June 6th, 2012

Gathering at **7:50AM** in the lobby of Activity Center of Academia Sinica for field trip to 1999 Chi-Chi earthquake rupture sites and Earthquake Museum