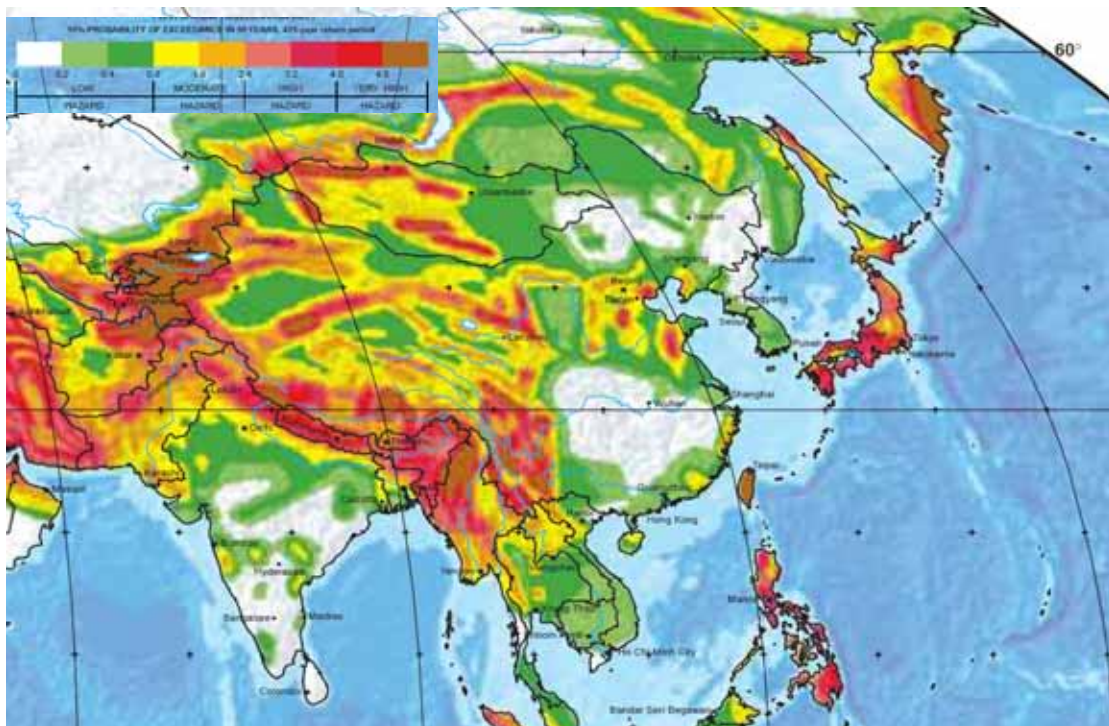


6th Taiwan - Japan International Workshop on Hydrological and Geochemical Research for Earthquake Prediction

September 26-27, 2007

National Cheng Kung University, Tainan, Taiwan

-PROCEEDINGS-



DP RC Disaster Prevention Research Center
National Cheng Kung University

No.1, Ta-Hsueh Rd. Tainan 701, Taiwan

GEOLOGICAL SURVEY OF JAPAN
NATIONAL INSTITUTE OF
ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY (AIST)

1-1 Higashi 1-Chome, Tsukuba, Ibaraki, 305-8567 Japan

September 26

12:00~13:30	Registering		
13:30~13:50	Opening		
Time	Speaker	Title	Host
14:00~14:25	Nagoya Univ. Dr. Koshun Yamaoka	Overview and recent progress in earthquake prediction research in Japan	Dr. Chjeng-Lun Shieh
14:25~14:50	Academia Sinica Dr. Jeen-Hwa Wang	Earthquake Physics as a basis of Prediction	
14:50~15:15	GSI, AIST Dr. Naoji Koizumi	Integrated observation well network of Geological Survey of Japan, AIST for study of Nankai and Tonankai earthquakes	
15:15~15:40	Central Weather Bureau Dr. Nai-Chi Hsiao	Current Status and Development of the Earthquakes Observation in Taiwan	
15:40~15:55	Break		
15:55~16:20	Central Univ. Dr. Jann-Yenq Liu	co-seismic signatures and precursors and of the 26 December 2004 M9.3 Sumatra earthquake	Dr. Ruey-Juin Rau
16:20~16:45	Academia Sinica Dr. Masataka Ando	Groundwater and Coastal Phenomena Preceding the 1944 Tsunami	
16:45~17:10	Taiwan Univ. Dr. Yih-Min Wu	Seismicity changes before the 1999 Chi-Chi Mw7.6 and 2003 Chengkung Mw6.8 earthquakes	
17:10~17:35	Nagoya Univ. Dr. Takeshi Sagiya	Intraplate strain concentration and large inland earthquakes	
17:35~18:00	Chengkung Univ. Miss Hui-Hsuan Chen	How do the repeating earthquakes talk to each other?	

September 27

Time	Speaker	Title	Host
08:30~08:55	Tono RIES, ADEP Yasuhiro Asai	Trigger and Mechanism of Co-seismic Groundwater Level Changes in the Togari350 well, central Japan	Dr. Naoji Koizumi
08:55~09:20	Chengkung Univ. Mr. Wen-Chi Lai	Studies of spatial sensitivity of the hydrological response to earthquakes	
09:20~09:45	Kyoto Univ. Dr. Yasuyuki Kano	Pore pressure measurement in the Kamioka mine, central Japan.	
09:45~10:10	Atomic Energy Council J-J. Chiu	Implications of Coseismic Changes of Groundwater Level in Taiwan	
10:10~10:20	Break		
10:20~10:45	AnCAD, Inc. Dr. Yetmen Wang	Preliminary Study of Groundwater Level Change due to Earthquake using Time-Frequency Analysis	Mr. Wen-Chi Lai
10:45~11:10	Academia Sinica Dr. Masayuki Murase	The estimated pressure source and vertical deformation in Tatun volcano group, Taiwan, detected by precise leveling in June 2006-August 2007	
11:10~11:35	Chia Nan Univ. of P&S Dr. Wen-fu Chen	Redox status of hot springs in Taiwan and earthquake precursors	
11:35~11:50	Taiwan Univ. Miss. Ching-Yi Liu	Earthquake-related groundwater level changes in a sensitive well	
11:50~13:30	Lunch		
13:30~13:55	Chengkung Univ. Dr. Yih-Nen Jeng	A Preliminary Study of Earthquake and Underground Water Level Data via Fourier Cosine Spectrogram	Dr. Masataka Ando
13:55~14:20	Ryukyus Univ. Dr. Mamoru Nakamura	Numerical modeling of crustal deformation in the northeastern Taiwan collision area	
14:20~14:45	Chengkung Univ. Dr. Kuo-Chin Hsu	Estimating the Anomalous Stress-source Area by Using Earthquake-triggered Groundwater Fluctuations	
14:45~15:10	Kyoto Univ. Dr. Masumi Yamada	Earthquake early warning system and its practical applications	
15:10~15:35	Break		
15:35~16:00	Tokyo Univ. Dr. Fumiaki Tsunomori	Gas Monitoring by QMS. -Present Situation and Future Prospects-	Dr. Chung-Ho Wang
16:00~16:25	Academia Sinica Dr. Chung-Ho Wang	The impact of 921 Chi-Chi Earthquake on groundwater of the Choushui River alluvial fan: isotopic and hydrologic evidences.	
16:25~16:50	Gifu Univ. Dr. Shigeki Tasaka	Underground Water Observation in "Wari-ishi Hot spring", Central Japan	
16:50~17:15	Chengkung Univ. Dr. Tom Kuo	Recurrent radon minima and crustal-strain transients precursory to earthquakes in Taiwan	