

The Fifth Japan-Taiwan International Workshop on Hydrological and Geochemical Research for Earthquake Prediction

10 October, 2006

Meeting Room No.2, Geological Survey of Japan, AIST*

PROGRAM

9:00 ~ 10:00

Registration

Morning Session (10:00 ~ 12:10)

10:00 ~ 10:10

Opening Remarks

Tsukuda, E. (Director of Geological Survey of Japan, AIST) Greeting

10:10 ~ 10:40

NAKAMURA M.(FSRU),

Numerical simulation of the observed strain field in the south Ryukyu region

10:40 ~ 11:10

TANIKAWA W.(JAMST),

Transport properties and its implication of pore pressure change due to frictional heating during 1999 Taiwan Chi-Chi earthquake

11:10 ~ 11:40

KANO Y.(DPRIK),

Heat Signature on the Chelungpu Fault Associated with the 1999 Chi-Chi, Taiwan Earthquake

11:40 ~ 12:10

LAI W.-C.(DPRCN),

The study of seismic-induced groundwater level changes in porous sediment and sedimentary rock

12:15 ~

Photographing at the front of the main entrance of Geological Survey of Japan, AIST

Lunch (12:30 ~ 14:00)

12:30 ~ 13:50

Business meeting at room 810 of Geological Survey of Japan, AIST

Afternoon Session (14:00 ~ 18:00)

14:00 ~ 14:30

LU C.-W.(NKFUST),

Explanation for pore water pressure build-up process of sandy deposits due to seismic excitement using a numerical tool

14:30 ~ 15:00

ASAI Y.(TRIES),

Trigger and Mechanism of Co-seismic Groundwater Level Changes

15:00 ~ 15:30

LEE T.-Y.(LUT),

Comparison of Several Anomaly Detection Methods on the Seismic Groundwater Level Series

15:30 ~ 16:00

Break

16:00 ~ 16:30

KAZAHAYA K (GSJ),

Upwelling of volatiles from the mantle and the subsiding slab through faults and tectonic lines at Kinki district, Japan.

16:30 ~ 17:00

TSUNOMORI F.(LECUT),

Spike-like Emission of Methane from Groundwater at Omaezaki 500m Well

17:00 ~ 17:30

KOIZUMI N.(GSJ),

Long-term groundwater level changes on the focal region of the 1999 Chi-Chi earthquake, Taiwan

17:30 ~ 18:00

Discussion

18:00 ~ 20:00

Banquet at a restaurant in AIST

* FSRU: Faculty of Science, Ryukyu University

JAMST: Japan Agency for Marine-Earth Science and Technology

DPRIK: Disaster Prevention Research Institute, Kyoto University

DPRCN: Disaster Prevention Research Center, NCKU

NKFUST: National Kaohsiung First University of Science and Technology

TRIES: Tono Research Institute of Earthquake Science

LUT: Leader University, Taiwan

GSJ: Geological Survey of Japan, AIST

LECUT: Laboratory for Earthquake Chemistry, University of Tokyo