

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

Date: Oct. 7-9, 2008

Place: Site C-7, Geological Survey of Japan, AIST, Tsukuba, Japan

Participants: About 30

Language: English

Sponsor: Geological Survey of Japan, AIST,

Cosponsor: Disaster Prevention Research Center, National Cheng-Kung University

The purpose is to report and discuss the theory and observational results on hydrological and geochemical phenomena related to seismicity and crustal deformation in order to make progress in hydrological and geochemical research for earthquake prediction

Schedule

Oct. 6	Mon	Arrival of related foreign researcher
Oct. 7	Tue	Presentation and discussion with a business meeting
Oct. 8	Wed	Leave for the field trip to Niigata stay in Niigata
Oct. 9	Thu	Field trip in and around Niigata, and return to Tsukuba.
Oct. 10-13		Departure of related foreign researchers

Program of the Workshop (Oct. 7, 2008)

	Time	
	10:00	Kato H.(Director of GSJ) , Greeting
1	10:10	NAKAMURA M.(FSRU), Observation of Ocean Bottom Crustal Deformation in Ryukyu trench
2	10:35	Hu, Jyr-Ching (NTU), Monitoring of active faults in Taiwan by geodetic measurements
3	11:00	ASAI Y.(TRIES), Borehole Array observation system operated by Tono Research Institute fo Earthquake Science, ADEP and Some Interesting Results
4	11:25	Ma, Kuo-Fong.(NCU) Possible Fluid Driven Open Crack Events Observed in Taiwan Chelungpu-fault Borehole Seismometers
	12:05	Photographing at the front of the main entrance of Geological Survey of Japan, AIST
	12:20	Lunch Meeting
5	14:00	Tanaka H.(SSUT), Fault lubrication by mechano-chemical dissolution of minerals
6	14:25	SHIGEMATSU, N.(GSJ), Heterogeneous localisation of plastic flow in the deepest part of a seismogenic fault: insight from the Hatagawa Fault Zone, NE Japan
7	14:50	TSUNOMORI F.(LECUT), A Mechanism of Radon Concentration Decline Prior to 1978 Izu-Oshima-Kinkai
8	15:15	Tasaka, S.(IMCG) Underground Water Observation in Wari-ishi Hot Spring, Gifu Prefecture
	15:40	Break
9	16:10	KANO Y.(DPRI), Permeability Around the Nojima Fault Detected Using Barometric response of Pore Pressure
10	16:35	LAI W.-C.(DPRC), Dynamic effects on coseismic groundwater level changes : Cases study of 2003~2006 ML \geq 6 earthquakes in Taiwan
11	17:00	KOIZUMI N.(GSJ), Groundwater changes related to the 2004 Mid-Niigata Prefecture Earthquake and Niigataken Chuetsu-oki Earthquake in 2007
	17:25	Discussion
	18:00	Banquit

DPRC Disaster Prevention Research Center, National Cheng Kung University

DPRI Disaster Prevention Research Institute, Kyoto University

FSR Faculty of Science, Ryukyu University

GSJ	Geological Survey of Japan, AIST
NCU	National Central University, Taiwan
LECUT	Laboratory for Earthquake Chemistry, University of Tokyo
DGNT	Department of Geosciences, National Taiwan University
IMCG	Information and Multimedia Center, Gifu University
TRIES	Tono Research Institute of Earthquake Science
SSUT	School of Science, the University of Tokyo