The 6^{th} International Workshop on the Application of Geophysics to Rock Engineering

Kyoto International Conference Hall, Japan November 29, 2004

9:00-9:10 Com	mission Report:	
	mission Report.	
Koic	ni Sassa (ISRM Commission President, Fukui University of Technology,	
Japan		
9:10-9:35 Heter	rogeneity and Instability in Geological Deformation;	
Insig	hts From Sandbox Experiments and Particle Simulations	
Yasu	niro Yamada (Kyoto University)	
9:35-10:00 Tomo	ographic imaging of injected CO2 migration in a porous sandstone	
Tosh	fumi Matsuoka (Kyoto University)	
10:00-10:25 Seisi	Seismic Refraction Method with Extrapolated First-arrival Data	
Yosh	inori Sanada (Kyoto University)	
10:25-10:50 The a	The application in strong noise background by using Mini-Sosie Method	
Chan	g Xu (Chinese Academy of Sciences)	
10:50-11:10 Break	S.	
11:10-11:50 Progr	Progress report of the Suggested Methods for Borehole Geophysics in Roc	
Engin	neering	
Toru	Takahashi (OYO Corporation)	
11:50-13:10 Lunc	h	
13:10-13:40 Love	and Rayleigh wavefield dispersion for nondestructive testing of shallow	
rock	anisotropy (Field demonstration)	
Adar	n O'Neill (Kyoto University)	
13:50-14:15 Joint	analysis of multi-shot, multi-channel surface-wave data and	
micro	o-gravity data	
Koic	ni Hayashi (OYO Corporation)	

14:15-14:40	Permeability distribution estimation for rock mass from P-wave velocity	
	tomography using frequency-velocity dispersion relationship	
	Shin-ichi Uehara (Kyoto University)	
14:40-15:05	A case study of permeability analysis using frequency depende	
	acoustic wave velocity and applying in-situ data	
	Kimitaka Yoshimura (Radioactive Waste Management Funding and	
	Research Center)	
15:05-15:25	Break	
15:25-15:50	Physical properties of hemipelagic sediments at the Nankai Trough	
	-Special Interest to fluid circulation and sedimentation-	
	Hitoshi Mikada (Kyoto University)	
15:50-16:15	Anisotropic crosshole resistivity tomography for the ground safety analysis of	
	a high storied building over an abandoned mine	
	Jung-Ho Kim (Korea Institute of Geoscience and Mineral Resources)	
16:15-16:40	Simulation of earth tunnel excavation based on tropdoor test by DEM	
	Harushige Kusumi (Kansai University)	
16:40-16:50	Closing Remarks	
	Yuzuru Ashida (Kyoto University)	