

**JAEE International Symposium  
PROGRAM  
Nov. 11-12, 2013**

**VENUE: National Olympics Memorial Youth Center  
Room ㊦-310 (Capacity: 160)**

**Nov. 11 (Mon) 10:00~12:00 Natural Phenomena (1)**

**Chair: Dr. Nobuo TAKAI (Hokkaido University)**

Ser. No.	Title	Authors	Presenting Author
1	SOIL CHARACTERISTIC IN PALU, INDONESIA	Rusnardi Rahmat Putra, Kiyono Junji, Furukawa Aiko and Yoshimoto Yasuo	Rusnardi Rahmat Putra
2	A COMPLETE SEISMIC HAZARD ANALYSIS AND ASSESSMENT FOR SYRIA	Ahmed ALHOURANI, Junji KIYONO and Aiko FURUKAWA	ALHOURANI, Ahmed
3	A STUDY OF THE DYNAMIC CHARACTERISTICS OF A POPULATED SLOPE IN CITY	Carlos GONZALES, Shoichi NAKAI, Toru SEKIGUCHI, Diana CALDERON, Zenon AGUILAR and Fernando LAZARES	GONZALES Carlos
4	EVALUATION OF PENANG ISLAND SLOPES USING GIS METHOD AND PROBABILISTIC ANALYSIS DUE TO EARTHQUAKE AND RAINFALL	Mastura AZMI, Junji KIYONO and Aiko FURUKAWA	AZMI, MASTURA
5	ATTENUATION RELATION OF ABSOLUTE VELOCITY RESPONSE SPECTRA (1-10 S) IN JAPAN -A PRELIMINARY ANALYSIS	Yadab P. DHAKAL, Takashi KUNUGI, Wataru SUZUKI, and Shin AOI	DHAKAL, Yadab
6	SEISMIC MICROZONATION ON THE USE OF MICROTREMOR OBSERVATIONS AND BOREHOLES IN YOGYAKARTA CITY, CENTRAL JAVA-INDONESIA	Zaw Lin KYAW, Subagyo PRAMUMIJOYO, Salahuddin HUSEIN, Teuku Faisal FATHANI and Junji KIYONO	KYAW, Zaw Lin

**Nov. 11 (Mon) 13:00~14:40 Natural Phenomena (2)**

**Chair: Dr. Junji KIYONO (Kyoto University)**

Ser. No.	Title	Authors	Presenting Author
7	SEDIMENT DEPOSIT PROFILING THROUGH ESTIMATION OF GROUND NATURAL PERIOD: A CASE OF KATHMANDU VALLEY NEPAL	Netra P. BHANDARY, Ryuichi YATABE and Youb R. PAUDYAL	BHANDARY, Netra Prakash
8	S-WAVE VELOCITY PROFILES BASED ON THE HVRs IN BAGO, MYANMAR FOR SEISMIC HAZARD MAPPING	Tun NAING, Hiroshi KAWASE, Shinichi MATSUSHIMA, Myo THANT, Chit Thet MON, Thazin Htet TIN, Khin Kyawt Kyawt OO	TUN, Naing
9	EFFECTS OF PRE-SHEARING HISTORY ON RE-LIQUEFACTION BEHAVIOR OF SAND USING STACKED-RINGS SHEAR APPARATUS	Seto WAHYUDI, Junichi KOSEKI and Takeshi SATO	WAHYUDI, Seto
10	LIQUEFACTION PROPERTY OF UNSATURATED INAGI SAND AND TOYOURA SAND	Hailong WANG and Junichi KOSEKI	WANG, Hailong
11	Application of Image Analysis to Sand Specimens in Hollow Cylindrical Torsional Shear Tests	Usama Juniansyah FAUZI, Seto WAHYUDI, Yukika MIYASHITA, and Junichi KOSEKI	FAUZI, Usama Juniansyah

**Nov. 11 (Mon) 15:00~17:00 Structures (1)**

**Chair: Dr. Yoshikazu TAKAHASHI (Kyoto University)**

Ser. No.	Title	Authors	Presenting Author
12	SEISMIC PERFORMANCE OF THIN RC WALLS REINFORCED WITH ELECTRO-WELDED WIRE MESH IN LIMA, PERU	Luis G. QUIROZ and Yoshihisa MARUYAMA	QUIROZ, Luis G.
13	RELIABILITY ESTIMATION OF RC FRAMES UNDER SEISMIC AND TSUNAMI HAZARDS	Hikaru OGAWA, Jun SEKIHAMA, Keita MIZUNO, Shigeru TAKAKUMA, Mitsuyoshi AKIYAMA and Shunichi KOSHIMURA	Ogawa, Hikaru
14	EXPERIMENTAL STUDY ON PP-BAND MESH CONNECTIVITY FOR EFFECTIVE SEISMIC RETROFITTING OF BRICK MASONRY	Adnan Mahmood DAR, Saleem M. UMAIR, Muneyoshi NUMADA and Kimiro MEGURO	Dar Adnan Mahmood
15	NONLINEAR NUMERICAL HYSTERESIS MODEL FOR BI-DIRECTIONALLY LOADED ELASTOMERIC ISOLATION BEARINGS	Ji DANG, Akira IGARASHI and Yuta MURAKOSHI	DANG Ji
16	SYMPLEIFIED BACKBONE CURVE ESTIMATION METHOD OF UNREINFORCED MASONRY INFILL IN RC FRAME	Kiwoong JIN, Ho CHOI, Kazuto MATSUKAWA and Yoshiaki NAKANO	JIN, Kiwoong
17	EFFECT OF THE NONLINEARITY OF RUBBER BEARINGS ON A SEISMIC ISOLATED STRUCTURE	Sebastien CHIREZ, Satoshi FUJITA and Keisuke MINAGAWA	Sebastien CHIREZ

**Nov. 12 (Tue) 10:00~12:00 Structures (2)/Social Issues (1)****Chair: Dr. Akihiro TOYOOKA (Railway Technical Research Institute)**

Ser. No.	Title	Authors	Presenting Author
18	SHAKING TABLE TESTS ON MITIGATION OF LIQUEFACTION DAMAGE TO EMBEDDED LIFELINE BY CHEMICAL GROUTING METHOD	Masahide OTSUBO, Bertrand CAUVIN, Masato Shimura, Shogo AOYAMA, Takeshi AKIMA, Ikuo TOWHATA, Taro UCHIMURA and Hardren RATTEZ	AKIMA, Takeshi
19	3-D EXPERIMENTS ON PERFORMANCE OF MITIGATIONS AGAINST LIQUEFACTION-INDUCED SUBSIDENCE OF SURFACE STRUCTURES	Rouzbeh RASOULI, Takeshi AKIMA, Valeria AWAD, Sunshine TAN and Ikuo TOWHATA	Rasouli, Rouzbeh
20	COUNTERMEASURES OF FAULT-CROSSING WATER SUPPLY PIPELINES AGAINST A LARGE DEFORMATION	Nobuhiro HASEGAWA, Toshio IMAI and Junji KIYONO	HASEGAWA, Nobuhiro
21	STUDY ON AN EARTH DAM FAILURE FOLLOWING THE 2011 OFF THE PACIFIC COAST OF TOHOKU EARTHQUAKE THE APPLICATION OF GEOGRID AS A REINFORCEMENT	Bhuddarak CHARTPANGOON, Junji KIYONO and Aiko FURUKAWA	CHARATPANGOON, Bhuddarak
22	DAMAGE ASSESSMENT OF BRIDGES SUBJECTED TO THE 2011 OFF PACIFIC COAST OF TOHOKU EARTHQUAKE TSUNAMI BY ANALYZING SATELLITE IMAGES	Kazunori TAKAHASHI and Gaku SHOJI	TAKAHASHI, Kazunori
23	EVALUATION OF SEISMIC RETROFITTING EFFECTIVENESS FOR DISTRICT EVACUATION SAFETY BASED ON EVACUEES' ISOLATION PROBABILITY BY USING MARKOV CHAIN MONTE CARLO METHOD	Masayoshi TODAKA and Masayuki KOHIYAMA	TODAKA, Masayoshi

**Nov. 12 (Tue) 13:00~14:40 Social Issues (2)****Chair: Dr. Masayuki KOHIYAMA (Keio University)**

Ser. No.	Title	Authors	Presenting Author
24	INFLUENCING FACTORS ON THE FATALITY RATIO IN 2011 GREAT EAST JAPAN EARTHQUAKE AND TSUNAMI	Nam-Yi YUN and Masanori HMADA	Nam-Yi YUN
25	DAMAGE ASSESSMENT ON WATER SUPPLY SYSTEMS SUBJECTED TO AN EXTREME GROUND MOTION AND INDUCED LIQUEFACTION	Takuya TSUKIJI and Gaku SHOJI	TSUKIJI, Takuya
26	ASSESSMENT ON SEISMIC PERFORMANCE OF WATER SUPPLY SYSTEM CONSIDERING FLOW ANALYSIS	Yuan-Yu TSAI, Faraji MAHDI and Junji KIYONO	TSAI, Yuan-Yu
27	DETECTION OF THREE-DIMENSIONAL CRUSTAL MOVEMENTS DUE TO THE 2011 TOHOKU EARTHQUAKE FROM SAR IMAGES	Wen LIU, Fumio YAMAZAKI, Takashi NONAKA LIU Wen and Tadashi SASAGAWA	
28	DAMAGE ASSESSMENT OF ROAD BRIDGES DUE TO THE 2011 OFF THE PACIFIC COAST OF TOHOKU EARTHQUAKE TSUNAMI	Tomoharu NAKAMURA and Gaku SHOJI	NAKAMURA, Tomoharu