

**JAEE International Symposium
PROGRAM
Nov. 8-10, 2012**

**VENUE: National Olympics Memorial Youth Center
Room 4-309 (Capacity: 160)**

Nov. 8 (Thu) 10:00~12:15 Natural Phenomena (1)

Chair: Dr. Kenichi KATO (Kajima Co.)

Ser. No.	Title	Authors	Presenting Author
1	Report of 11th August 2012 Ahar twin earthquakes in East-Azerbaijan province of NW Iran	Reza AMIRASLANZADEH, Masakatsu MIYAJIMA, Abdolhossein FALLAHI, Arjang SADEGHI and Sadra KARIMZADEH	Reza AMIRASLANZADEH
2	SURFACE TECTONIC DISPLACEMENT AND FAULT SLIP DISTRIBUTION OF 2004 MID-NIIGATA PREFECTURE EARTHQUAKE	Zaheer Abbas KAZMI and Kazuo KONAGAI	Zaheer Abbas KAZMI
3	COULOMB FAILURE STRESS CHANGES AND ITS RELATION WITH EARTHQUAKE STRESS TRIGGERS	Sadra KARIMZADEH, Masakatsu MIYAJIMA, Ziyadin CAKIR, Asghar RASTBOOD, Reza AMIRASLANZADEH	Sadra KARIMZADEH
4	CHARACTERISTICS OF 2011 VAN EARTHQUAKES AND SOME LESSONS LEARNED	Ömer AYDAN, Reşat ULUSAY, Halil KUMSAR and Kazuo KONAGAI	Omer AYDAN
5	SEMI EMPIRICAL CORRELATION MODELS OF ACCELERATION RESPONSE SPECTRUMS OF THE 2011 GREAT EAST JAPAN EARTHQUAKE	Mahdi FARAJI and Junji KIYONO	Mahdi FARAJI
6	PRELIMINARY STUDY ON THE LONG-PERIOD GROUND MOTION PREDICTION EQUATIONS AND THEIR APPLICATION TO THE MOMENT	Rami IBRAHIM, Hongjun SI, Kazuki KOKETSU and Hiroe MIYAKE	Rami IBRAHIM
7	MAGNITUDE ESTIMATION OF LARGE ESTIMATION OF LONG - PERIOD GROUND MOTION AT HANOI AND HOCHIMINH CITIES, EFFICIENCY-EVALUATION OF SYNTHESIZED	Viet Dung NGO, Akira MURATA, Masakatsu MIYAJIMA	Viet Dung NGO
8	GROUND MOTION IN CONTEXT OF SAMPLING OF SET OF POSSIBLE GROUND MOTIONS	Tauqir AHMED	Tauqir Ahmed
9	CHARACTERISTICS AND AMPLIFICATION OF GROUND MOTIONS ABOVE ABANDONED MINES	Ömer AYDAN, Melih GENİŞ, Kenrou SUGIURA and Akio SAKAMOTO	Ömer AYDAN

Nov. 8 (Thu) 12:45~15:00 Natural Phenomena (2)

Chair: Prof. Ömer AYDAN (Tokai Univ.)

Ser. No.	Title	Authors	Presenting Author
10	DELINEATION OF S-WAVE TIME WINDOW IN THE KANTO BASIN FOR TUNING VELOCITY MODELS OF DEEP SEDIMENTARY LAYERS	Yadab Prasad DHAKAL and Hiroaki YAMANAKA	Yadab Prasad DHAKAL
11	EVALUATION OF SUBSURFACE STRUCTURES IN YOGYAKARTA CITY, CENTRAL JAVA, INDONESIA BY USING MICROTREMOR OBSERVATIONS	Zaw Lin KYAW, Subagyo PRAMUMIJOYO, Salahuddin HUSEIN, Teuku Faisal FATHANT and Jinji KIYONO	Zaw Lin KYAW
12	SEISMIC INTENSITY AND GROUND RESPONSE OF PADANG EARTHQUAKE SEPTEMBER 30th 2009	Rusnardi Rahmat Putra, Junji KIYONO , Aiko FURUKAWA , Oktaviani	Rusnardi Rahmat Putra
13	LANDSLIDE DISTRIBUTION RELATED WITH SEISMIC GROUND MOTION DURING THE 2008 WENCHUAN EARTHQUAKE	Deping GUO, Masanori HAMADA	Deping GUO
14	EVALUATION ON SLOPE STABILITY OF PENANG ISLAND, MALAYSIA DUE TO EARTHQUAKE GROUND MOTION	Mastura AZMI, Junji KIYONO and Aiko FURUKAWA	Mastura AZUMI
15	Analytical Study on Sliding Failure Occurred at Joban Highway Embankment in 2011 Off the Pacific Coast of Tohoku Earthquake	Kouki MURAKAMI and Ken-ichi TOKIDA	Kouki MURAKAMI
16	STUDY ON STRUCTURE OF DUG POOL ERODED BY TSUNAMI FLOOD AND ITS TSUNAMI-REDUCTION FUNCTION	Ryusuke TANIMOTO and Ken-ichi TOKIDA	Ryusuke TANIMOTO
17	RESIDUAL DEFORMATION CONSIDERING PORE WATER MIGRATION DURING CYCLIC SHEAR	Jongkwan KIM, Junya YOSHID, Tomohiro MORI and Motoki KAZAMA	Jongkwan KIM
18	RUNNING SPECTRUM ANALYSIS OF TEXT DATA FOR ERA OF SPREADING HUGE DISASTER	Muneyoshi NUMADA and Kimiro MEGURO	Muneyoshi NUMADA

Nov. 8 (Thu) 15:00~17:15 Structures (1)

Chair: Prof. Masayuki NAGANO (Tokyo Univ. of Science)

Ser. No.	Title	Authors	Presenting Author
19	DYNAMIC BEHAVIOURS OF EARTHFILL DAM UNDER THE 2011 TOHOKU EARTHQUAKE	Bhuddarak CHARATPANGOON, Junji KIYONO, Aiko FURUKAWA and Mamoru MIMURA	Bhuddarak CHARATPANGOO
20	INFLUENCE OF ADJACENT CONCRETE WALL ON SEISMIC BEHAVIOR OF UNDERGROUND STRUCTURES	Ali DERAKHSHANI and Ikuo TOWHATA	Ali DERAKHSHANI
21	AN EXPERIMENTAL STUDY ON THE FAILURE BEHAVIOR OF A CUT AND COVER TUNNEL	Tomohiro KAWANISHI and Junji KIYONO	Tomohiro KAWANISHI
22	MODEL TESTS ON VALIDATION OF PRINCIPLE OF SUPERPOSITION IN OBTAINING PILE GROUPS' HORIZONTAL IMPEDANCE FUNCTIONS UNDER SOIL NON-LINEARITY	Chandra Shekhar GOIT, Masato SAITOH, George MYLONNAKIS	Chandra Shekhar GOIT
23	EXPERIMENTAL STUDY ON SUBSIDENCE OF SURFACE STRUCTURES DUE TO LIQUEFACTION AND ITS MITIGATION	Rouzbeh RASOULI, Toshihiko HAYASHIDA and Ikuo TOWHATA	Rouzbeh RASOULI
24	SEISMIC RESPONSE ANALYSIS OF UNREINFORCED BRICK MASONRY STRUCTURE	Rishi Ram PARAJULI, Junji KIYONO and Aiko FURUKAWA	Rishi Ram PARAJULI
25	SOIL-GEOCELL INTERACTION CONSIDERING THE EFFECT OF HEIGHT OF GEOCELL	Xinye HAN, Takashi KIYOTA, Tetsuya KURODA and Fumio TATSUOKA	Xinye HAN

26	VERIFICATION OF INFLUENCE ON SEISMIC PERFORMANCE OF THE STEEL PIPE SHEET PILE FOUNDATION UNDER THE 2011 OFF PACIFIC COAST OF TOHOKU EARTHQUAKE	Nguyen Thanh TRUNG, Osamu KIYOMIYA and Tongxiang AN	Nguyen Thanh TRUNG
27	COMPOSITE GIRDERS USING FRP I-BEAMS AND PRECAST ULTRA-HIGH STRENGTH FIBER REINFORCED CONCRETE SLABS	S.V.T. Janaka PERERA, Hiroshi MUTSUYOSHI and Yusuke KANAYA	S.V.T. Janaka PERERA

Nov. 9 (Fri) 9:00~10:15 Social Issues (1)

Chair: Prof. Fusanori MIURA (Yamaguchi Univ.)

Ser. No.	Title	Authors	Presenting Author
28	REMOTE SENSING APPLICATION AND SPATIAL MULTI-CRITERIA ANALYSIS FOR TSUNAMI VULNERABILITY MAPPING	Abu Bakar SAMBAH and Fusanori MIURA	Abu Bakar SAMBAH
29	SHEAR-WAVE VELOCITY EVALUATION OF DAMAGED BUILDINGS DURING THE TOHOKU EARTHQUAKE EXTRACTED FROM MICROTREMOR SIMULATION OF TSUNAMI EVACUATION BEHAVIOR DURING THE 2011 EAST JAPAN GREAT EARTHQUAKE BY DISTINCT ELEMENT DEVELOPMENT OF TSUNAMI EVACUATION SIMULATION AND ITS USING AS DISASTER EDUCATIONAL PROGRAM	Xin WANG, Kazuaki MASAKI and Kojiro IRIKURA	Xin WANG
30	TSUNAMI EVACUATION BEHAVIOR AND EFFECTIVENESS OF TSUNAMI EVACUATION PRINCIPLES IN THE 2011 GREAT EAST JAPAN EARTHQUAKE	Farnaz Mahdavian, Maki Koyama, Junji Kiyono, Hitomi Murakami	Farnaz Mahdavian
31		Junji INNAMI, Yozo GOTO, Tkashi SUEMATSU, Muzailin AFFAN, Yudha NURDIN	Junji INNAMI
32		Nam-Yi YUN, Masanori HAMADA, Norio DOI and Seok-Won Lee	Nam-Yi YUN

Nov. 9 (Fri) 10:15~11:30 Social Issues (2) / Earthquake Damage Investigation/Reconnaissance

Chair: Dr. Junichi TOHMA (CRIEPI)

Ser. No.	Title	Authors	Presenting Author
33	ART OF LIFELINE ENTERPRISES IN TAICHUNG CITY FOR CATASTROPHIC EARTHQUAKE DEVELOPMENT OF DAMAGE FUNCTIONS ON SEWER BURIED PIPELINES SUBJECTED TO AN EXTREME GROUND MOTION FROM DAMAGE ASSESSMENT OF THE DATA IN THE 2011 OFF THE PACIFIC VOAST OF TOHOKU EARTHQUAKE STUDY ON POST-DISASTER HOUSING:ANALYSIS OF LOCAL BUILDER'S PARTICIPATION DEVELOPMENT OF A SIMULATANEOUS SAFETY CONFORMATION SYSTEM FOR HANDICAPPED PERSONS WHEN AN EARTHQUAKE OCCURS	Yuan-Yu TSAI and Junji KIYONO	Yuan-Yu TSAI
34		Satoshi NABA, Takuya TSUKIJI, Gaku SHOJI and Shigeru NAGATA	Satoshi NABA
35		Tomoko MATSUSHITA, Muneyoshi NUMADA, Kimiro MEGURO	Tomoko MATSUSHITA
36		Fusanori MIURA	Fusanori MIURA
37	Hybrid Sensor Node for GPS on Every Roof	Ichidai NAKAMURA, Tomohiro MIYAZAKI, Masayuki SAEKI and Kenji OGUNI	Ichidai NAKAMURA

Nov. 9 (Fri) 13:00~15:00 Structures (2)

Chair: Prof. Kazuhiko KAWASHIMA (Tokyo Institute of Technology)

Ser. No.	Title	Authors	Presenting Author
38	DESIGN OF A PI CONTROLLER FOR MR DAMPERS USING DAMPR FORCE FEEDBACK EXPERIMENTAL VALIDATION OF BI-DIRECTIONAL NUMERICAL MODELING FOR ELASTOMERIC ISOLATION BEARINGS	Yundong SHI, Tracy BECKER, Masahiro KURATA and Masayoshi NAKASHIMA	Yundong SHI
39		Ji DANG, Akira IGARASHI and Yuta MURAKOSHI	Ji DANG
40	OPTIMAL STRUCTURAL CONTROL BY MAXWELL-TYPE DAMPERS FOR ADJACENT COUPLED LONG-PERIOD STRUCTURES SUBJECTED TO LONG-PERIOD GROUND MOTIONS	Shintaro KADO and Gaku SHOJI	Shintaro KADO
41	EXPERIMENTAL STUDY ON U-DAMPERS FOR BASE-ISOLATED STRUCTURES UNDER 2D RANDOM LOADING HISTORIES	Diana ENE, Yu JIAO, Shoichi KISHIKI, Satoshi YAMADA, Yoshinao KONISHI, Norihisa KAWAMURA, Masao TERASHIMA	Diana ENE
42	EXPERIMENTAL STUDY ON STATIC HYSTERESIS CHARACTERISTICS OF THE SHEAR RESISTANT TYPE PANEL DAMPER	Manabu HAGINOYA, Tadatoshi FURUKAWA, Takashi KAMIYA and Takashi TAGUCHI	Manabu HAGINOYA
43	EXPERIMENTAL STUDY ON RESIDUAL SEISMIC PERFORMANCE OF SCALED THREE-STORY STEEL FRAMES TESTED ON A SHAKING TABLE	Miguel DIAZ FIGUEROA, Koichi KUSUNOKI and Akira TASAI	Miguel DIAZ FIGUEROA
44	CYCLIC LOADING TESTS OF RC COLUMNS WITH MIX SPACING OF LATERAL HOOPS	Genta GOTO, Yoshikazu TAKAHASHI and Sumio SAWADA	Genta GOTO
45	BEHAVIOR OF REINFORCED CONCRETE COLUMNS USING MECHANICAL SPLICES AT THE SAME CROSS SECTION UNDER SEISMIC LOAD	Dac Phuong NGUYEN, Hiroshi MUTSUYOSHI, Takuya OHNO and Takaomi GOTOU	Dac Phuong NGUYEN

Nov. 9 (Fri) 15:00~17:00 Structures (3)

Chair: Prof. Gaku SHOJI (Univ. of Tsukuba)

Ser. No.	Title	Authors	Presenting Author
46	TIME-DEPENDENT RELIABILITY ESTIMATION OF BRIDGES IN AN EARTHQUAKE PRONE REGION AND AGGRESSIVE ENVIRONMENT	Shigeru TAKAKUMA and Mitsuyoshi AKIYAMA	Shigeru TAKAKUMA
47	Effect of Tie Bar Volume on the Seismic Performance of Polypropylene Fiber Reinforced Columns based on Hybrid Loading Experiments	Wenjin ZHANG, Hiroshi MATSUZAKI and Kazuhiko KAWASHIMA	Wenjin ZHANG
48	SEISMIC PERFORMANCE OF A FULL-SIZE POLYPROPYLENE FIBER-REINFORCED CEMENT COMPOSITE BRIDGE COLUMN BASED ON E-DEFENSE SHAKE TABEL EXPERIMENTS	Richelle G. ZAFRA, Tomohiro SASAKI, Manabu NAKAYAMA, Koichi KAJIWARA and Kazuhiko KAWASHIMA	Richelle G. ZAFRA

49	ANALYTICAL DERIVATION OF YIELD POINTS ON INTERACTION CURVE BETWEEN TORSION AND BENDING OF RC COLUMN	Hisanori OTSUKA, Masahiro HATTORI and Joon-Ho CHOI	Masahiro HATTORI
50	DAMAGE AND SEISMIC EVALUATION ON A RC RIGID-FRAME ARCH BRIDGE DAMAGED IN WENCHUAN EARTHQUAKE	Zhongqi SHI, Kenji KOSA, Jiandong ZHANG and Tatsuo SASAKI	Zhongqi SHI
51	A SIMPLIFIED METHOD FOR EVALUATING DUCTILE CRACK INITIATION IN STEEL BRIDGE STRUCTURES SUBJECTED TO EARTHQUAKE	Lan KANG, Hanbin GE and Shogo MORI	Lan KANG
52	EXPERIMENTAL STUDY ON PERFORMANCE OF DRAIN PIPE FOR STABILITY OF ROAD	Tsuyoshi AKITA, Ken-ichi TOKIDA, VU NHAT Linh	Tsuyoshi AKITA
53	Analytical Study on Drainage Performance of Drain Pipe to Improve the Seismic Stability of Road Embankment	Linh VU NHAT, Ken-ichi TOKIDA and Tsuyoshi AKITA	Linh VU NHAT

Nov. 10 (Sat) 9:00~10:30 Structures (4)

Chair: Prof. Masaki MAEDA (Tohoku Univ.)

Ser. No.	Title	Authors	Presenting Author
54	NUMERICAL MODELING OF THIN RC SHEAR WALLS REINFORCED WITH ELECTRO-WELDED	Luis G. QUIROZ, Yoshihisa MARUYAMA and Carlos ZAVALA	Luis G. QUIROZ
55	DAMAGE PATTERN OF THE BUILDING STRUCUTRES by 3.11 TSUNAMI	Toshikazu KABEYASAWA, Hiroshi FUKUYAMA, Yasuo OKUDA, Hiroto KATO, Seitaro TAJIRI and Masanori TANI	Toshikazu KABEYASAWA
56	EARTHQUAKE RESISTANT ABILITY OF MOVABLE AND FIXED SUPPORTED FOLDED CANTILEVER SHEAR FRAME BUILDING	Ming Narto WIJAYA, Takuro KATAYAMA, Ercan Serif KAYA and Toshitaka YAMAO	Ming Narto WIJAYA
57	STRUCTURAL DESIGN REQUIREMENT ON THE TSUNAMI EVACUATION BUILDINGS	Hiroshi FUKUYAMA, Yasuo OKUDA, Hiroto KATO, Tadashi ISHIHARA, Seitaro TAJIRI, Toshikazu KABEYASAWA, and Yoshiaki NAKANO	Hiroshi FUKUYAMA
58	SEISMIC CAPACITY EVALUATION OF RC FRAME WITH URM WALL FOCUSED ON DIAGONAL STRUT MECHANISM	Kiwoong JIN, Ho CHOI, Noriyuki TAKAHASHI and Yoshiaki NAKANO	Kiwoong JIN
59	BASIC STUDY ON APPLICATION OF SOLID-ELEMENT FINITE ELEMENT ANALYSIS TO THE NONLINEAR RESPONSE OF RC STRUCTURE	Fangtao SUN, Seizo TANAKA, Muneo HORI, Lalith WIJERATHNE and Tsuyoshi ICHIMURA	Fangtao SUN

Nov. 10 (Sat) 10:30~12:00 Structures (5)

Chair: Prof. Yoshiaki NAKANO (Univ. of Tokyo)

Ser. No.	Title	Authors	Presenting Author
60	STUDY OF SEISMIC EVALUATION METHODS OF RC BUILDINGS WITH MASONRY INFILL WALLS; A CASE STUDY OF BUILDINGS IN JORDAN	Hamood ALWASHALI and Masaki MAEDA	Hamood ALWASHALI
61	MODIFICATION OF 3D-APPLIED ELEMENT METHOD FOR NUMERICAL SIMULATION OF OUT OF PLANE BEHAVIOR OF POLYPROPYLENE AND FIBER REINFORCED POLYMER COMPOSITE RETROFITTED MASONRY WALL SYSTEMS	Saleem M. UMAIR, Muneyoshi NUMADA and Kimiro MEGURO	Saleem M. UMAIR
62	A STUDY ON STRONG NON-LINEARITY ANALYSIS WITH LARGE-SCALE AND DETAILED FE MODELS-COMPARISON OF DYNAMIC RESPONSES OF FRAME AND LUMPED MASS MODELS-	Yasunori MIZUSHIMA, Youichi MUKAI, Masahito OHNO, and Tomoharu SARUWATARI	Yasunori MIZUSHIMA
63	A PROBABILISTIC SEISMIC DESIGN APPROACH FOR DEVELOPING COUNTRIES	Ahmed ALHOURANI, Dang JI and Takeshi KOIKE	Ahmed ALHOURANI
64	TIMBER GRADE EVALUATION BY IMPROVED STRESS WAVE VELOCITY MEASUREMENT	Noriko TAKIYAMA, Jian JIAO, Kazutaka NAMIE, Yasuhiro NAMBU and Yasuhiro HAYASHI	Noriko TAKIYAMA
65	Quantification and Interregional Comparison of Structural Characteristics of Traditional Wooden Houses in Japan	Yasuhiro NAMBU, Jian JIAO, Noriko TAKIYAMA, Yasuhiro HAYASHI	Yasuhiro NAMBU