

Tuesday, March 6th

Opening Session (Chair: Kazuhiko Kasai) Main Hall 9:30 - 10:00
Welcome Message /Kohji Tokimatsu (Tokyo Institute of Technology)

KN1 Keynote Lecture 1 (Chair: Kazuhiko Kasai) Main Hall 10:00 - 10:30

Real-Time Hybrid Simulation and Application to Earthquake Engineering / James Ricles (Lehigh University)

KN2 Keynote Lecture 2 (Chair: Stephen Mahin) Main Hall 10:30 - 11:00

Damage of Bridges due to the 2011 Great East Japan Earthquake / Kazuhiko Kawashima (Tokyo Institute of Technology)

KN3 Keynote Lecture 3 (Chair: Saburoh Midorikawa) Main Hall 11:00 - 11:30

DYNAMIC CHARACTERISTICS OF A DAMAGED 9-STORY BUILDING DURING THE 2011 OFF THE PACIFIC COAST TOHOKU EARTHQUAKE / Masato Motosaka (Graduate School of Engineering, Tohoku University)

KN4 Keynote Lecture 4 (Chair: Junichiro Niwa) Main Hall 11:30 - 12:00 Noon

The George E. Brown Jr., Network for Earthquake Engineering Simulation (NEES): REDUCING THE IMPACT OF EARTHQUAKES AND TSUNAMIS ON SOCIETY / Julio Ramirez (NEEScomm Center, Purdue University)

Group Photo 12:00 - 12:15

Parallel Session 1 13:15 - 15:15

S1-H Earthquake Engineering Practice (Cochairs: Adam C. Abinales & Hiroyasu Sakata) Main Hall

Test and analysis on shear walls with replaceable devices under cyclic loading for earthquake resilient structures / Xilin Lu (State Key Laboratory of Disaster Reduction in Civil Engineer)**

COMPARATIVE STUDY ON FAILURE PATTERNS AND CODE SPECIFIED DESIGN APPROACHES OF RC STRUCTURES FOR STRONG EARTHQUAKES IN CHINA AND JAPAN / Yingmin Li (Chongqing University)

Seismic Performance of Existing RC Flat-Plate Structures / Ajoy Paul (Chittagong University of Engineering & Technology (CUET)

CORRELATION STUDY ON THE EFFECTS OF THE GREAT TOHOKU EARTHQUAKE AND THE PHILIPPINE SEISMIC CODE PROVISIONS / CARLOS VILLARAZA (ASSOCIATION OF STRUCTURAL ENGINEERS OF THE PHILIPPINES)

S1-1 Socio-economic Issues (Cochairs: Hideki Kaji & Yasuhide Okuyama) W931

Socioeconomic Issues of the Tohoku Pacific Ocean Earthquake Disaster / Hideki Kaji (CUEE, Tokyo Institute of Technology)

Proposal for improvement of Business Continuity Plan (BCP) Based on the Lessons of the Great East Japan Earthquake / Hiroaki Maruya (Tokyo Institute of Technology)

BCP of local authorities in Japan against disaster event / Jun Izumi (Nagoya Sangyo University)

Restoration of Fishing Industry's Supply Chain after the Great East Japan Earthquake / Toshinori NEMOTO (Hitotsubashi Univ)

Using Information Systems for Recovery and Reconstruction after the Great East Japan Earthquake / Kayoko Yamamoto (University of Electro-Communications)

LONG-RUN EFFECTS OF A DISASTER: STRUCTURAL ANALYSIS / Yasuhide Okuyama (University of Kitakyushu)

S1-2 Advanced Technologies and Information and Computing Technology (Cochairs: Keri Ryan & Kazuhiko Kasai) W932

GIS Tool for Calculating Repair Cost of Buildings due to Earthquake Effects (CCRE - CISMID) / Miguel Estrada (CISMID - National University of Engineering)

Dynamic Response of Adjacent Structures Connected by Lead Extrusion Damper / Chirag Patel (Sir, Padampat Singhania University)

Seismic evaluation and retrofit of the iconic LAX theme building with a mass damper: Analytical and experimental approach / H. Kit Miyamoto (Miyamoto International)

Effect of material degradation of seismic isolator (LRB) on the performance of multi-story buildings / Muna Gheryani (University of Malaya)

Responses of Tall Buildings in Tokyo during the 2011 Tohoku Pacific Earthquake / Kazuhiko Kasai (Tokyo Institute of Technology)**

S1-3 Engineering Seismology (Cochairs: Pierre-Yves Bard & Hiroaki Yamanaka) W933

Ground Motion on Densely Urbanized Soft Soil Areas: a Review about Effects of Site-City Interaction / Pierre-Yves Bard (Institut des Sciences de la Terre)**

Analysis of Nonlinear Soil Response During the 2010 Darfield, New Zealand Earthquake Sequence / Kuo-Liang Wen (Institute of Geophysics, National Central University)**

Estimation of Bedrock Structure from Microtremor Measurements in Kochi Plain, Japan / Hiroshi Arai (National Institute for Land and Infrastructure Management)

S-wave velocity structure estimated by the SPAC method using array microtremors data in Oyama, Tochigi Prefecture / Seiji Tsuno (Tokyo Institute of Technology)

Preliminary analysis of very dense seismic-array-observation data in Furukawa, Miyagi, Japan / Hitoshi Morikawa (Dept. Built Environment, Tokyo Institute of Technology)

Significance of Rotating Ground Motions on Nonlinear Behavior of Symmetric and Asymmetric Buildings in Near Fault Sites / Juan Reyes (Universidad de los Andes,

Wave propagation analysis of a ground with three-dimensional irregularities / Shoichi Nakai (Chiba University)

S1-4 Structural Engineering - Concrete (Cochairs: Johann Kollegger & Tomohiro Miki) W934

SURVEY TO BRIDGES DAMAGED BY GROUND MOTION OF THE 2011 EARTHQUAKE OFF THE PACIFIC COAST OF TOHOKU / Ichiro IWAKI (College of Engineering, Nihon University)**

Large-scale parallel computation for failure analysis of reinforced concrete structure by wave force / Seizo Tanaka (Earthquake Research Institute, University of Tokyo)

Effect of Polypropylene Fiber Reinforced Cement Composites for Enhancing the Seismic Performance of a Full-scale Bridge Column Based on E-Defense Shake Table

Excitation / Richelle Zafra (University of the Philippines Los Banos)

Shear behavior of RC deep beams having circular cross-section under anti-symmetric moment / Koji Matsumoto (Tokyo Institute of Technology)

Response of columns in reinforced concrete buildings impacted by different types of tsunami water-borne shipping containers / Kavinda Madurapperuma (Tokyo Institute of

S1-5 Lessons Learnt - Great East Japan Earthquake & Others (Cochairs: Robert Kayen & Jiro Takemura) W935

Recent Activities of JST-JICA Project on Earthquake and Tsunami Disaster Mitigation in Peru / Tadahiro Kishida (Chiba University)

Urban Planning Process for Recovery through Comparison of Miyagi and Iwate prefectures / Shoichi ANDO (Int'l Institute of Seismology and Earthquake Engineering BRI)

SITE RESPONSE ANALYSIS USING DOWNHOLE ARRAY RECORDINGS DURING THE MARCH 2011 TOHOKU, JAPAN, EARTHQUAKE / Youssef Hashash

(University of Illinois at Urbana-Champaign)

Geotechnical Deformations at Ground Failure Sites from the March 11, 2011 Great Tohoku Earthquake, Japan: Field Mapping, Lidar Modeling, and Surface Wave

Investigation / Robert Kayen (US Geological Survey)

FAILURE OF FUJINUMA DAM DURING THE 2011TOHOKU EARTHQUAKE / Daniel Pradel (University of California Los Angeles/Group Delta Consultants)

Parallel Session 2 Main Hall 15:15 - 17:15

S2-H Structural Engineering - Steel (Cochairs: Jerome Hajjar & Toru Takeuchi) Main Hall

Design Features and Criteria for Controlled Rocking Braced-Frame Systems / Gregory Deierlein (Stanford University)

Seismic Design and Stability Assessment of Composite Framing Systems / Jerome Hajjar (Northeastern University)

Out-of-plane Stability of Buckling Restrained Braces including their Connections / Toru Takeuchi (Tokyo Institute of Technology)

Out-of-Plane Stability of Buckling-Restrained Braces / Taichiro Okazaki (Hokkaido University)

EXPERIMENTAL AND ANALYTICAL VALIDATION OF STEEL DUAL-CORE SELF-CENTERING BRACES FOR SEISMIC-RESISTING STRUCTURES / Chung-Che Chou (Department of Civil Engineering, National Taiwan University)

S2-1 Tsunami (Cochairs: Anil C. Wijeyewickrema & Tatsuo Ohmachi) W931

Tsunami Intensity and Displaced Water Volume / Mikhail Nosov (M.V.Lomonosov Moscow State University, Faculty of Physics)**

Characteristics of bottom pressure sensors of dense ocean-floor network system for earthquakes and tsunamis / Hiroyuki Matsumoto (Japan Agency for Marine-Earth Science and Technology)

The comparison of source models of the 2011 Tohoku tsunami / Sergey Kolesov (Moscow State University, Physics faculty)

Interpretation of tsunami flow characteristics by video analysis / Shunichi Koshimura (Tohoku University)

Capturing the impacts: 3D scanning after the 2011 Tohoku Earthquake and Tsunami / Michael Olsen (Oregon State University)

Assessment of tsunami hazards to quay structures / David Bu (Royal Haskoning)

S2-2 Advanced Technologies (Cochairs: Giuseppe Oliveto & H. Kit Miyamoto) W932

Mixed Lagrangian Formulation for Dynamic And Earthquake Response of 2D Hybrid Base Isolation Systems / Giuseppe Oliveto (University of Catania)**

OPTIMUM DESIGN OF HYSTERETIC DAMPERS FOR VIBRATION CONTROL OF RC BUILDING STRUCTURES / WUCHUAN PU (Dept. of Civil Engineering, Wuhan University of Technology)

Dynamic response of base isolated NPPs under long period seismic excitations / Dookie Kim (Kunsan National University)

A Reliability-Based Bounding Analysis Methodology for Seismic Isolated Buildings / Troy Morgan (Tokyo Institute of Technology)

Seismic performance of damped structure subjected to large earthquakes / Akira Wada (Tokyo Institute of Technology)**

S2-3 Engineering Seismology (Cochairs: Benito Pacheco & Hiroyuki Miura) W933

Studies on Vulnerability Risk Factor Management of Buildings against Earthquake, Severe Wind and Flood in the Philippines / Benito Pacheco (University of the

Preliminary Analysis for Building Damage Detection from High-Resolution SAR Images of the 2010 Haiti Earthquake / Hiroyuki Miura (Tokyo Institute of Technology)

Coseismic Displacement Measurement for the 2010 El Mayor (Baja California), Mexico Earthquake from Optical Image-based Subpixel Correlation / Masashi Matsuoka (Geological Survey of Japan, AIST)

Detection of Flooded Areas by the Tohoku Earthquake/Tsunami Using ASTER Thermal Infrared Images / Fumio Yamazaki (Chiba University)

Observation and Activities of the Tohoku-oki Earthquake by Earth Observation Satellite, ALOS and others / Ryoichi Furuta (RESTEC)

ESTIMATION OF TSUNAMI-INUNDATED AREAS IN ASahi CITY, CHIBA PREFECTURE AFTER THE 2011 OFF THE PACIFIC COAST OF TOHOKU EARTHQUAKE BASED ON VISUAL INSPECTION OF SATELLITE IMAGES / Yoshihisa Maruyama (Chiba University)

S2-4 Structural Engineering - Concrete (Cochairs: Naveed Anwar & Koji Matsumoto) W934

Lighter Bridges with the Balanced Lift Method / Johann Kollegger (Vienna University of Technology)**

Effect of Section Re-Profiling on Axial Load and Deformation Capacities of FRP-Confined RC Rectangular Compression Members / Kiang Hwee Tan (National University of

USE OF FRP TO REHABILITATE POORLY DETAILED LAP SPLICES OF RC COLUMNS / InSung Kim (Degenkolb Engineers)

Experimental Study on Bond Behavior between Corroded Reinforcing Bar and Concrete subjected to Cyclic Loading / Tomohiro Miki (Department of Civil Engineering,

LOAD-CARRIED CAPACITY OF STEEL REINFORCED CONCRETE SHORT BEAMS IN FRAME STRUCTURES SUBJECTED TO THE SEISMIC LOADING / Ken

WATANABE (Railway Technical Research Institute)

Tension Stiffening in Reinforced High Performance Fiber Reinforced Cement-Based Composites (HPFRCC) / Daniel Moreno (Stanford University)

S2-5 Lessons Learnt - Great East Japan Earthquake & Others (Cochairs: Ross Boulanger & Yoshimichi Tsukamoto) W935

Liquefaction caused by the 2011 off the Pacific coast of Tohoku Earthquake and the result of the prior microtremor measurement / Jun Saita (System and Data Research

Observed performance and estimated soil profiles of reclaimed and natural deposits at Kamisu City during 2011 Great East Japan Earthquake / Yoshimichi Tsukamoto

(Department of Civil Engineering, Tokyo University of Science)

Seismic vibration characteristics of building and surface soil in Chiba city before and after the 2011 Tohoku earthquake / Toru Sekiguchi (Chiba University)

Piled raft foundation with grid-form ground improvement subjected to the 2011 earthquake / Akihiko Uchida (Takenaka Corporation)

Earthquake-induced geotechnical damages observed during the 2010 and 2011 Canterbury Earthquakes / Suguru Yamada (The University of Tokyo)

LIQUEFACTION POTENTIAL MAPPING IN BANTUL DISTRICT, JOGJAKARTA PROVINCE, INDONESIA / Adrin Tohari (Indonesian Institute of Sciences, RC for

Welcome Party (Chair: Jiro Takemura) Tokyo Tech Front 17:30 - 19:30

Wednesday, March 7th

Parallel Session 3 9:00 - 13:00

S3-H Young Researchers Session (Structural Engineering - Steel) (Cochairs: Gregory Deierlein & Kikuo Ikarashi) Main Hall

Seismic Effects of the 2011 Tohoku, Japan Earthquake on Steel Buildings / Dimitrios Lignos (McGill University)

Experimental Testing of Self-Centering Steel Plate Shear Walls / Jeffrey Berman (University of Washington)

Resistant behavior of column-base with rotational rigidity control function in Low & Medium steel structure / Teruaki Yamanishi (Tokyo Institute of Technology)

Modeling Fracture Behavior in the Simulation of Special Concentrically Braced Frames / Po-Chien Hsiao (University of Washington)

Experimental Study on Performance of the "Web-clamped" Beam-to-Column Connection / Keita Araki (Dept of Architecture, Grad. School of Eng., Univ of Tokyo)

EXPERIMENTAL STUDY ON FRICTION OF STEEL-MORTAR AND GRAPHITE LUBRICATION FOR DEVELOPMENT OF FREE STANDING STRUCTURE / Ryuta

Enokida (Kyoto University)

Loading Experiments of the damaged TP 316 Stainless Pipe / Seock Jin Choi (Busan university)

Bi-axial Bending Behavior of RHS-columns Including Post-buckling and Deterioration Range / Takanori Ishida (Tokyo Institute of Technology)

Experimental Study of Exposed Column Base in Buckling Restrained Braced Frames / Yao CUI (Tokyo Institute of Technology)

Study on Shake-Table Experimental Results Regarding Composite Action of a Full-Scale Steel Building Tested to Collapse / Nam Tran-Tuan (Tokyo Institute of

Strain reduction and recovering methods of trussed arch model / SUGIYAMA KAZUTAKA (nihon university college of engineering)

LOADING PROTOCOLS EMPLOYED IN EVALUATION OF SEISMIC BEHAVIOR OF STEEL BEAMS IN WEAK-BEAM MOMENT FRAMES / Yu Jiao (Tokyo Institute of

Effects of weld bead shape on crack tip stress field at initiation of brittle fracture during earthquakes / Hiroshi Tamura (Department of Engineering, Yokohama National

Young Researchers Session (Structural Engineering - Others) (Cochairs: John van de Lindt & Hiroyasu Sakata) Main Hall

REDUCED EXPRESSION FOR TIMBER STRUCTURE WITH DISCRETIZED FLEXIBLE DIAPHRAGM AND SEISMIC RESPONSE EVALUATION METHOD / Yoshihiro Yamazaki (Tokyo Institute of Technology)

THE BEHAVIOUR OF TIMBER FRAMED MASONRY PANELS IN QUASI-STATIC CYCLIC TESTING / Andreea Dutu (The National Research and Development Institute URBAN-INCERC)

Novel design methods for improved damage resistance of light-weight framed structures / Scott Swensen (Stanford University)

Analytical Study of Residual Seismic Performance of Existing Structures by Estimation of Equivalent Damping Ratio for Aftershocks / Miguel DIAZ FIGUEROA (Yokohama National University)

Prediction of lateral strength of masonry walls / Sanket Nayak (Indian Institute of Technology Bhubaneswar)

Young Researchers Session (Advanced Technologies and Information, Computing Technology, Earthquake Engineering Practice and

S3-2 New Design Criteria and Methods) (Cochairs: Ian Buckle & Akira Wada) W932

A combined displacement control device and design method / Fatih Sutcu (Istanbul Technical University)

Analytical and Experimental Studies of Structures with Building Mass Damper Systems / Bo-Han Lee (National Taiwan University)

SEISMIC RESPONSE OF COUPLED LONG-PERIOD STRUCTURES WITH MAXWELL-TYPE DAMPERS SUBJECTED TO LONG-PERIOD GROUND MOTIONS /

Shintaro Kado (University of Tsukuba)

The Seismic-isolation Design and Practice in The Soft Site of Shanghai / Shuai Liu (College of Civil Engineering of Tongji University)

The Effects of Superstructural Yielding on the Seismic Response of Base Isolated Structures / Parisara Thiravechyan (Tokyo Institute of Technology)

Test of Hybrid Floor Isolation System with Semi-active Control / Yundong Shi (Kyoto University)

Hysteretic Performance of Steel Shear Panel Confined by Polypropylene Plates and Carbon Fiber Sheets / Huajia ZHU (Graduate School of Engineering, Kobe University,

Vibration Control Method for a Building Structure-Equipment System to Reduce Both Structural and Functional Damages / Nanako Miura (Keio University)

Young Researchers Session (Advanced Technologies and Information, Computing Technology, Earthquake Engineering Practice and New Design Criteria and Methods) (Cochairs: Xilin Lu & Kazuhiko Kasai) W932

Multi-axial Active Isolation for Buildings against Earthquakes / Chia-Ming Chang (University of Illinois at Urbana-Champaign)

EXPERIMENTAL STUDY ON VISCOELASTIC DAMPERS AND INTRODUCTION TO THE PERFORMANCE EVALUATION CRITERION IN CHINA / Rui Li (Tongji

Study on the Effect of Base Isolation in Masonry Structures / Qiushi Fu (School of Civil Engineering, Tongji University)

Efficiency of design ground motions synthesized in iterative modification utilizing multiple indices associated with nonlinear response of structures / Tauqir Ahmed (The University of Tokyo)

Influence of near-fault ground motions and seismic pounding on the response of base-isolated reinforced concrete buildings / Deepak Pant (Tokyo Institute of Technology)

Uncertainty in Modeling Seismic Response of Reinforced Concrete Bridge Columns / Vesna Terzic (University of California, Berkeley)

Large-scale 3-D seismic response analysis based on finite element analysis accelerated by high performance computing technique / Sho Nonaka (Earthquake Research Institute, the University of Tokyo)

Development of Remote System for Building Damage Assessment during Large Scale Earthquake Disaster / Makoto FUJII (The University of Tokyo)

Integrating of Optimization and Data Mining Techniques for High-speed Train Timetable Design Considering Disturbances / Ting-Wu Ho (National Central University)

S3-3 Young Researchers Session (Engineering Seismology) (Cochairs: Kuo-Liang Wen & Hitoshi Morikawa) W933

Site Specific Ground Motion Amplification Characteristics in Aobayama Hill, Sendai, Japan / Tsoggerel Tsamba (Graduate School of Engineering, Tohoku University)

A Study on Site Amplification for Observation Stations in the Iwate and Miyagi Regions, Japan / Rami Ibrahim (Earthquake Research Institute, Univ. Of Tokyo)

QUANTITATIVE ANALYSIS OF THE DEGREE OF NONLINEAR SITE RESPONSE FROM THE 1999 CHI-CHI, TAIWAN EARTHQUAKE / Yi-Wei Jeng (Institute of Geophysics, National Central University, Taiwan)

Revised method for estimation of site amplification factor considering curvilinear relationship with average shear-wave velocity of ground / Makoto Yamaguchi (Non-Life Insurance Rating Organization of Japan)

The Characteristics of Ground Motions Excited by Active Source of TAIGER in the Chianan Plain / Chun-Te Chen (Institute of Geophysics, National Central University)

Observation and simulation of surface wave of Green's function using seismic interferometry in the Kanto basin, Japan / Kosuke Chimoto (Tokyo Institute of Technology)

The intensity anomalies caused by earthquakes within subduction zone in North-eastern Taiwan / Mu-Ching Liu (Institute of Geophysics, National Central University)

Mapping the Seismic Site Conditions in Metro Manila, Philippines based on Microtremor Measurements, Topographic Data and Geomorphology / Rhommel Grutas (Tokyo Institute of Technology)

Determination of 2D shallow S wave velocity profile using waveform inversion of P-SV refraction data / AMROUCHE MOHAMED (Tokyo Institute of Technology)

Discrete Analytic Signal Wavelet Decomposition for phase localized in time-frequency domain for simulation of ground motions with stochastic property in phase spectrum / Prem Khatri (University of Tokyo)

A New Baseline Correction Method Developed From Empirical Mode Decomposition Process / Jyun-Yan Huang (Institute of Geophysics, National Central University,

Young Researchers Session (Engineering Seismology) (Cochairs: Pierre-Yves Bard & Hiroaki Yamanaka) W933

Elastic and Post-Elastic Response of Structures to Hybrid Broadband Synthetic Ground Motions / Carmine Galasso (University of California, Irvine)

3-D Finite Difference Simulation of Long-period Ground Motions for the Performance Analysis of two Subsurface Velocity Models of the Kanto Basin using Moderate Magnitude Earthquakes / Yadab Dhakal (Tokyo Institute of Technology)

A MODIFYING METHOD OF EARTHQUAKE GROUND MOTION FOR MATCHING MULTI-DIMENSIONAL NUCLEAR POWER PLANTS' DESIGN RESPONSE SPECTRA AND RELATED PEAK VALUES / Sheng Tao (Tongji University)

SIMULATION OF NEAR FAULT GROUND MOTION OF THE EARTHQUAKE OF NOVEMBER 25, 1759 WITH MAGNITUDE OF 7.4 ALONG SERGHAYA FAULT, DAMASCUS CITY, SYRIA / Hussam ZAINEH (Tokyo Institute of Technology)

Boundary Element Approach and its Parallelization for Seismic Wave Propagation in Time-Domain / Akira Furukawa (Tokyo Institute of Technology)

Surface Waves Generated due to a Subsurface Line Load in a Homogeneous Orthotropic Elastic Medium / Priza Kayestha (Tokyo Institute of Technology)

2-D DYNAMIC RUPTURE SIMULATION OF SEISMIC FAULT USING CONVOLUTION QUADRATURE TIME-DOMAIN TRACTION BOUNDARY ELEMENT METHOD / Yang Shen (Tokyo Institute of Technology)

Crustal movement detection for the 2011 Tohoku, Japan Earthquake from multi-temporal TerraSAR-X intensity images / Wen Liu (Department of Urban Environment Systems, Chiba University)

Characterization of SAR images in the 2010 Haiti earthquake / Pralhad Uprety (Chiba University)

S3-4 Young Researchers Session (Structural Engineering - Concrete, Bridge and Others) (Cochairs: Kiang Hwee Tan & Junichiro Niwa)

Hybrid Simulation of Seismic Response of Squat Reinforced Concrete Shear Walls / Catherine Whyte (University of California, Berkeley)

Experimental Research on Seismic Behavior of Post-retrofit Earthquake-damaged Frame Joint / Chao ZHANG (College of Civil Engineering in Tongji University)

WJ Application on Joining Surfaces of External Retrofitting Technique / Onur Gedik (Graduate School of Yokohama National University)

Shear resistance of reinforced concrete corbels for shear keys / Zhe Qu (Tokyo Institute of Technology)

INFLUENCE OF EARTHQUAKE STRONG-MOTION DURATION ON THE BEHAVIOR OF REINFORCED CONCRETE FRAME BUILDINGS / Hetti Arachchige Don Buddika (Tokyo Institute of Technology)

Strength and ductility of RC wall components with short lap splices / Adane Gebreyohannes (University of Auckland)

Assessment of Shear Contribution of the Short Fibers in Fiber-Reinforced Concrete Beams / Pitcha Jongvivatsakul (Tokyo Institute of Technology)

The experimental study on shear behavior of RC beams using U-shaped UFC permanent formwork / Puvanai Wirojjanapirom (Tokyo Institute of Technology)

A Proposal of New Predictive Equation for Diagonal Compressive Capacity of Reinforced Concrete Beams / Patarapol Tantipidok (Tokyo Institute of Technology)

Young Researchers Session (Structural Engineering - Concrete, Bridge and Others) (Cochairs: Julio Ramirez & Ken Watanabe) W934

Cyclic Response of Beam-Column Joints of RC Bridges Upon Partial Replacement of Steel Rebars with Steel Fibers / Kabir Shakya (Tokyo Institute of Technology, Japan)

Modeling of Compression Strut in Masonry Infill Panel for Seismic Performance Evaluation of Masonry Infilled RC Frame Structure / Maidiawati Maidiawati (Toyoashi University of Technology)

SEISMIC PERFORMANCE OF UFC JACKET PIERS / Rui Zhang (Tokyo Institute of Technology)

STUDY ON THE EFFECTIVENESS OF SEISMIC RETROFITTING OF URM WALLS WITH HIGH PERFORMANCE FIBER REINFORCED CEMENT COMPOSITES / Gholamreza ZAMANI AHARI (Kyushu University)

Analytical investigations of strength of beam-to-circular column connections of steel bridge frame piers with tapered flange plate / koji kinoshita (Gifu University, Department of Civil Engineering)

PRELIMINARY DESIGN OF SEISMICALLY ISOLATED BRIDGES THROUGH A SPECIFIC SOFTWARE / STERGIOS MITOULIS (ARISTOTLE UNIVERSITY OF THESSALONIKI, GREECE)

Earthquake Loss Estimation of Structures in Pakistan / Naveed Ahmad (ROSE School-IUSS Pavia)

Continued Functionality Performance For Base Isolated Structures Subjected to Earthquakes / Sarun Chimamphant (Tokyo Institute of Technology)

Experimental Research of Seismic Response Control of Building-Elevator System Using Linear Quadratic Gaussian Controller / Keisuke Watanabe (Graduate School Science and Technology, Keio University)

S3-5 Young Researchers Session (Geotechnical Engineering) (Cochairs: Ross Boulanger & Ryosuke Uzuoka) W935

Potential Implications of Long Duration Ground Motions on the Response of Liquefiable Soil Deposits / Samuel Sideras (University of Washington)

Application of MEMS accelerometer for liquefaction studies / Domenico Lombardi (University of Bristol)

RELATIONSHIP BETWEEN SEISMIC CHARACTERISTICS AND SOIL LIQUEFACTION OF URAYASU CITY INDUCED BY THE 2011 GREAT EAST JAPAN EARTHQUAKE / Kota Katsumata (Tokyo Institute of Technology)

Shear Stress Reduction due to Circular Reinforcement Columns in Liquefiable Soils / Deepak Rayamajhi (Oregon State University)

Is coarse backfill effective against floatation of underground structures? / Siau Chen Chian (Tokyo Institute of Technology)

Seismic Performance of Pile Foundations with Reinforcement of Steel Sheet-Piles / Xiangjie Zhang (Tokyo Institute of Technology)

Lateral loading tests of piled raft foundation in sand focused on moment resistance / Kouhei Sawada (Tokyo Institute of Technology)

Young Researchers Session (Geotechnical Engineering) (Cochairs: Scott Ashford & Nozomu Yoshida) W935

Numerical Study of Three-Dimensional Dynamic Behavior of Soil-Pile-Structure System in Large Shaking Table Tests / Youhao Zhou (Tokyo Institute of Technology)

Seismic stability of gravity type quay wall on loose sand with desaturated process / ITTICHAJ BOONSIRI (Tokyo Institute of Technology)

Observed Changes On A Yield Surface Due To Embedment Of A Footing Subjected To Combined Loading / Michael Cocjin (Tokyo Institute of Technology)

Evaluation of Earth Pressure Acting on Non-yielding Retaining Wall During Earthquake / LIN KE (Tokyo Institute of Technology)

Pseudo-static analysis of passive arch action in undercut slopes against earthquake / Mohammad Hossein Khosravi (Tokyo Institute of Technology)

Centrifuge Modeling on Uplift Behavior of Cut-and-cover Railway Tunnel Induced by Seismic Motion / Yu-Chen Wei (National Central University)
Ground Motion Estimation for Evaluation of Levee Performance in Past Earthquakes / Dong Youp Kwak (UCLA)

S3-6 Young Researchers Session (Tsunami) (Cochairs: Mikhail Nosov & Anil C. Wijeyewickrema) W936

Simulated relationships between parameters of a tsunami source and moment magnitude and depth of an earthquake / Anna Bolshakova (M.V.Lomonosov Moscow State University, Faculty of Physics)
Development of simulation framework of seismic response analysis and high resolution tsunami simulation / Kohei Fujita (University of Tokyo)
Regularized shallow water equations in numerical modeling of tsunami propagation and runup / Oleg Bulatov (Lomonosov Moscow State University, Faculty of Physics)
INSPECTION OF BUILDING DAMAGE IN MIYAGI PREFECTURE, DUE TO THE 2011 TOHOKU EARTHQUAKE TSUNAMI / Hideomi Gokon (Disaster Research Control Center, Tohoku University)
ANALYSIS ON THE TSUNAMI FLOW VELOCITY DURING THE 2011 OFF THE PACIFIC COAST OF TOHOKU EARTHQUAKE AND TSUNAMI / Piyawat Foytong (Chulalongkorn University)
Experience from the 2004 Indian Ocean tsunami and damage and reconstruction from the 2011 Great East Japan tsunami / Anawat Suppasri (Disaster Control Research Center, Tohoku University)
Evaluation of tsunami fluid force acting on the bridge deck damaged by the 2011 off the Pacific Coast of Tohoku earthquake tsunami / Yu Hiraki (University of Tsukuba)
Direct boundary element method to irregular fluid-solid interfaces: introduction and 3D numerical experiments / Zheng-Hua Qian (Tokyo Institute of Technology)

Young Researchers Session (Human Behavior and Socio-economic Issues) (Cochairs: Haruyuki Fujii & Toshihiro Osaragi) W936

EXAMINATION OF VULNERABILITY OF VARIOUS RESIDENTIAL AREAS IN CHINA FOR EARTHQUAKE DISASTER MITIGATION / Xue Ma (Tokyo Institute of Social Interaction in the Outdoor Spaces of Relocated Donated Post Disaster Housing / rachma syam (Tokyo Institute of Technology)
Development of large scale Multi Agent Simulation code for studying effective means of reducing pre-evacuation time / Rithika Dulam (University of Tokyo)
Structural Behavior of Residents Intention for Earthquake Safety Measures and Willingness to Pay / Md. SHAH (University of Tsukuba)
An Agent Based Model for the Tsunami Evacuation Simulation. A case study of the 2011 Great East Japan Tsunami in Arahama town / Erick Mas Samanez (Tohoku Bamboo as a building material for meeting East Africa's housing needs: a value chain case study from Ethiopia / Shyam Paudel (University of British Columbia)

Parallel Session 4 14:00 - 16:00

S4-H Structural Engineering - Steel (Cochairs: Dabin Yang & Satoshi Yamada) Main Hall

Evaluation of Plastic Deformation Capacity of H-shaped Steel Beams with the Newly Limitation Value of Plate Slenderness / Kikuo Ikarashi (Tokyo Institute of Technology)
Dynamic Responses of Arch Structures with Plural TMDs / Tomohiko Kumagai (Tokyo Institute of Technology)
Outline of the Reconnaissance of Damaged Steel School Buildings due to the 2011 Tohoku Earthquake / Satoshi Yamada (Tokyo Tech.)
response of single-layer cylindrical latticed shells subjected to severe earthquakes considering damage accumulation of steel / dabin YANG (College of Civil Engineering, Shandong Jianzhu University)
Seismic Performance of Tubular Truss Tower Structures Taking Member Fracture into Account / Ryota Matsui (Tokyo Institute of Technology)
Strain-rate Effect on the Hysteretic behavior of Structural Steel / Yuko Shimada (Faculty of Engineering, Chiba Univ.)

S4-1 Non-Structural Components and Contents (Cochairs: E. Manos Maragakis & Shojiro Motoyui) W931

CEILING DAMAGE BY THE GREAT EAST JAPAN EARTHQUAKE AND ITS RESTORATION / Shojiro Motoyui (Tokyo Institute of Technology)
The damage of the building equipment under the 2011 Tohoku Pacific Earthquake / Kunio Mizutani (Tokyo Polytechnic University)
Seismic Response of Nonstructural Systems in NEES TIPS/NEES Nonstructural/NIED Collaborative Tests / E.Manos Maragakis (University of Nevada, Reno)**
Static loading tests of sprinkler piping for seismic retrofit and renovation of aged buildings / Erika Shizu (Kogakuin University)
Fundamental Study on Evaluation Method for Seismic Resistance of Free-access Floor / Yutaka Yokoyama (Tokyo Institute of Technology)
Seismic risk management of building equipment for business continuity planning / Toyohiro Nishikawa (Kogakuin University)

S4-2 New Design Criteria and Methods (Cochairs: Stephen Mahin & Akira Wada) W932

USING PERFORMANCE-BASED EARTHQUAKE EVALUATION METHODS TO ASSESS THE RELATIVE BENEFITS OF DIFFERENT STRUCTURAL SYSTEMS / Stephen Mahin (Pacific Earthquake Engineering Research Center)**
Identifying Cylindrical Guided Wave Modes for Damage Detection of Underground Pipes using Gabor Transform / Rais Ahmad (University of Connecticut)
Effect of bi-directional interaction on seismic behaviour of asymmetric structures / Sekhar Dutta (Indian Institute of Technology Bhubaneswar)
A STUDY OF SEISMIC ISOLATION CODES WORLDWIDE(PART I: DESIGN SPECTRUM) / Demin FENG (Fujita Corp.)
A STUDY OF SEISMIC ISOLATION CODES WORLDWIDE(PART II: DESIGN PROCEDURE) / Taiki Saito (Building Research Institute)
Effect of Non-linear behaviour of Soil on Seismic Response of Soil-Pile Foundation-Structure System / Rajib Saha (National Institute of Technology Agartala)

S4-3 Engineering Seismology (Cochairs: Kuo-Liang Wen & Hitoshi Morikawa) W933

Strong ground motions observed by Small-Titan during the 2011 Great East Japan Earthquake / Makoto Kamiyama (Tohoku Institute of Technology)**
Long-period ground motion simulation of the 2011 off the Pacific coast of Tohoku Earthquake / Hidenori Kawabe (Kyoto University)**
Estimation of site amplification at the K-NET Tsukidate station with seismic intensity 7 during the 2011 off the Pacific coast of Tohoku earthquake / Hiroaki Yamanaka (Tokyo Institute of Technology)
Variation of the equivalent hypocentral distances based on different fault models for the 2011 Tohoku earthquake / Hongjun SI (Earthquake Research Institute, University of Earthquake motion of the 2011 off the Pacific coast of Tohoku Earthquake and the situation of issuing various earthquake alarms / Yutaka Nakamura (System and Data Research / Tokyo Institute of Technology)
Comparison of the P-wave earthquake alarm by multi-station and single-station detection systems / Tsutomu Sato (System and Data Research Co., Ltd.)
Real-time estimation of rupture zone by seismic intensity distribution / Shunroku Yamamoto (Railway Technical Research Institute)

S4-4 Structural Engineering - Concrete (Cochairs: Yahya Kurama & Tetsuya Ohmura) W934

Collapse simulation of a super high-rise building subjected to extremely strong earthquakes / Lieping Ye (Department of Civil Engineering, Tsinghua University)
Seismic Performance Assessment of Gravity-Load-Designed Reinforced Concrete Buildings / Pennung Warnitchai (Asian Institute of Technology)
First Application of Buckling Restrained Brace System in Philippines in a 50-Story Building with Ductile Core Wall / Naveed Anwar (AIT Consulting, Asian Institute of Technology)
Evaluating Seismic Performance of Existing School Building in Korea / Dae-Han Jun (Dongseo University)
Experimental Study on Shear Resistance of Concrete Connections between Existing RC Frames and Newly-added PCaPC Frames for Retrofit / Hiroyasu Sakata (Tokyo Institute of Technology)
Experimental Study on Stress Transfer Around Anchorages in R/C Corner Column and Beams Joints / Koshiro Nishimura (Hokkaido University)
Seismic response and strength ratio limit of concrete filled steel tube frame / Katsuhiko Goto (Miyakonojo National College of Technology)

S4-5 Geotechnical Engineering (Cochairs: Jonathan Stewart & Takaji Kokusho) W935

Aging Effect on Liquefaction Strength versus Cone Resistance of Sands Containing Fines by Triaxial Tests / Takaji Kokusho (Chuo University)
Overburden Correction Factors for Liquefaction Resistance / Ross Boulanger (University of California, Davis)
Regression Analysis for Equivalent Number of Stress Cycles in Soils and Attenuation Relationships of K_v,15 / Tadahi Kishida (Chiba University)
Simple two-dimensional formulation for liquefaction analysis / Nozomu YOSHIDA (Tohoku Gakuin University)
Seismic responses of a river levee on soft cohesive ground / Ryosuke Uzuoka (The University of Tokushima)
A Case Study on Polyhedron Model of a Strain Space Multiple Mechanism Model / Ryo UEDA (Kobori Research Complex Inc)
Numerical Investigation on Seismic Responses of A Liquefiable Sandy Soil Stratum with Multiple Silt Layers / Hwei-Tsyr Chen (Department of Civil Engineering, National Central University)

S4-6 Human Behavior -15:45 (Cochairs: Christoph Aubrecht & Toshihiro Osaragi) W936

The Contribution of Multi-Level Geospatial Information to Assessing Urban Social Vulnerability to Earthquakes / Christoph Aubrecht (AIT Austrian Institute of Technology)
Transition of Housing Location in Villages in Iwate Prefecture after the Sanriku Tsunamis in 1896 and 1933 / Osamu Murao (University of Tsukuba)
Microscopic Pedestrian Evacuation Simulation in Complex Geometries using Floor Field Cellular Automata / James Chu (National Central University, Taiwan)
Strategy for recovery of closed road network after earthquake damages / Yasunori Muromachi (Tokyo Institute of Technology)
Individual Decision Making and Behavior of Returning Home in the Aftermath of a Devastating Earthquake / Toshihiro Osaragi (Tokyo Institute of Technology)

Parallel Session 5 16:00 - 17:30

S5-H Structural Engineering - Others (Cochairs: Hsieh-Lung Hsu & Yasushi Sanada) Main Hall

Innovative Retrofitting Method for Masonry Structures by Bamboo-band / Kimiro Meguro (The University of Tokyo)
Earthquake-induced collapse prevention capacity of brick masonry structures confined with Tie Columns and Tie Beams / Qixiang Tian (Department of Architecture, Column-to-Foundation Connections: Post Installation for an Advanced Retrofitting Solution / Christoph Mahrenholtz (University of Stuttgart, IWB)
Behaviour of Colliding Buildings to Earthquake Excitation Considering Soil-Structure Interaction / Sayed Mahmoud (Faculty of Engineering at Rabigh, King Abdulaziz Evaluation of Strength Reduction Factors to Estimate Inelastic Demand Spectra for Elasto-Plastic System / Sung Gook Cho (JACE KOREA R&D Center)
Three Point Bending Test and Finite Element Analysis on FRP Bridge Deck / Yeou-Fong Li (National Taioei University of Technology)

S5-1 Earthquake Loss Estimation (Cochairs: Vinci Nicholas Villasenor & Hideki Kaji) W931

Loss Estimation on Lima City using a Retrofitting Cost Estimation Tool / CARLOS ZAVALA (Universidad Nacional de Ingenieria)
INSURANCE-BASED SEISMIC LOSS MODELING FOR INDIA AND PAKISTAN / Mohammad Zolfaghari (KN Toosi University of Technology)
A Simple Technique to Account for Building Vintage in Analytically Deriving Seismic Fragility Curves of Archetype Reinforced Concrete Building Frame Models / Marie Claire Pascua (Institute of Civil Engineering, Univ. of the Philippines)

S5-2 Blind Analysis Contest (Cochairs: Troy Morgan & Kazuhiko Kasai) W932

Predicting nonlinear response of an RC bridge pier subject to shake table motions / Zhe Qu (Tokyo Institute of Technology)
Observations from NEES/E-Defense Tests of a Full Scale Isolated and Fixed-Base Building / Keri Ryan (University of Nevada, Reno)
Modeling and Experimental Validation of a Full Scale 5-Story Steel Building Equipped With Triple Friction Pendulum Bearings: E-Defense Blind Analysis Competition / Dimitrios Lignos (McGill University)
Blind Analyses of a Full-Scale 5-Story Steel Building with the Fixed-Base Configuration / Yi-Jer Yu (National Center for Research on Earthquake Engineering)

S5-4 Structural Engineering - Concrete (Cochairs: Stephen Mahin & Lieping Ye) W934

Hybrid Precast Concrete Shear Walls for Seismic Regions: Solid and Perforated Walls / Yahya Kurama (University of Notre Dame)**
Behavior of belled pile reinforced with high-strength steel bars under cyclic flexure and constant axial load / Yo Hibino (Tokyo Institute of Technology)
ANALYTICAL STUDY ON BEAM DEPTH REDUCTION EFFECT OF SRC COUPLING BEAM CONSIDERING SLAB STIFFNESS / hak bo Shim (lotte engineering & Seismic rehabilitation of a 23-story RC building in Mexico City / Jorge Avila (Institute of Engineering, National University of Mexico (UNAM))

S5-5 Geotechnical Engineering (Cochairs: Youssef Hashash & Masaki Kitazume) W935

Laboratory testing on stabilized soil for ground reinforcement / Masaki Kitazume (Tokyo Institute of Technology)
Introduction of structural anisotropy for seismic resistant geotechnical structure / Tetsuo Tobita (Disaster Prevention Research Institute, Kyoto University)
INFLUENCE OF DESIGN PARAMETER VARIATIONS ON THE PERFORMANCE OF GEOGRID-REINFORCED UNPAVED ROADWAY / Wen-Chao Huang (National
Could deep soil densification impact the seismic site effect ? / Stephane Brule (MENARD)
SPH formulation for simulating soil behavior by using finite deformation theory / Tomohide Takeyama (Tokyo Institute of Technology)
A review on seismic wave propagation and liquefaction resistance in saturated sand / Abdoullah Namdar (Universiti Malaysia Pahang)

S5-6 Human Behavior 15:45- (Cochairs: Sanjoy Mazumdar & Ryuzo Ohno) W936

A Cultural Ecological Approach to Disaster Planning / Sanjoy Mazumdar (Department of Planning, Policy, and Design)
SURVIVAL OF THE CARE FACILITY FOR THE ELDERLY FOR PROTECTING A USER'S LIFE AND MAINTAINING A LIFE / Satoshi Ishii (Tohoku Institution of
Patterns of Action and Decision Making in Recovering and Rebuilding Processes from an Earthquake Disaster / Haruyuki Fujii (Tokyo Institute of Technology)
A STUDY ON THE CONSCIOUSNESS AND THE ACTIVITIES OF RESIDENTS LIVING ON AN ACTIVE FAULT DURING EARTHQUAKE EVACUATION / Katsutoshi KATO (Higashi Mikawa Regional Research Center)
How Do Coastal Residents Behave after a Big Earthquake? : A Questionnaire Survey after the Great East Japan Earthquake at Onjuku, Chiba prefecture / Ryuzo Ohno (Tokyo Institute of Technology)

Banquet (Chair: Toru Takeuchi) Shinagawa Prince Hotel 18:15 - 20:00

Thursday, March 8th

Parallel Session 6 9:00 - 12:15

S6-2 Structural Engineering - Bridge (Cochairs: Ian Buckle & Chitoshi Miki) W932

Seismic Response of a Curved Bridge with Full and Hybrid Protective Systems / Ian Buckle (University of Nevada Reno)**
Seismic Upgrading of Steel Trusses using BRBs / Tsutomu Usami (Meijo University)**
Numerical Simulation of Collapse of Bridges Suffering from Fault Dislocation / Tzu-Ying LEE (National Central University)
Performance of Typical California Overpass Bridge Structures under Tsunami Wave Loading / Bozidar Stojadinovic (Swiss Federal Institute of Technology (ETH)

Structural Engineering - Bridge (Cochairs: David Lau & Bozidar Stojadinovic) W932

Non linear dynamic analysis of bridge to spatially variable multiple support excitations / Zendagui Djawad (Department of Civil Engineering, University Tlemcen)
Development of a Mobile Bridge Health Monitoring System / tzu kang lin (national center for research on earthquake engineering)
EVALUATION OF MAJOR BRIDGES IN CAGAYAN VALLEY, PHILIPPINES / SUSAN VALLEJO (ISABEL STATE UNIVERSITY)

S6-3 Response Records (Cochairs: Moh-Jiann Huang & Kazuhiko Kasai) W933

Response-Only Identification of Torsionally Coupled Buildings using Strong Motion Data / Ertugrul Taciroglu (University of California, Los Angeles)**
Measured period of vibration of high-rise buildings recorded on video movies opened to the public excited by the 2011 off the Pacific coast of Tohoku Earthquake / Yutaka Nakamura (System and Data Research / Tokyo Institute of Technology)
Dynamic behavior of buildings on the campus of Tohoku Institute of Technology / Naoki Funaki (Tohoku Institute of Technology)
STUDY ON PERFORMANCE OF SEMI-ACTIVE BASE-ISOLATION SYSTEM USING EARTHQUAKE OBSERVATION RECORDS / Ichiro Nagashima (Technology Center, Taisei Corporation)
Seismic Response and Damage of High-Rise Buildings in Tokyo, Japan, during the 2011 Great East Japan Earthquake / Yoshiaki Hisada (Kogakuin University)

Response Records (Cochairs: Carlos Ventura & Yoshiaki Hisada) W933

EFFECTS OF SEISMICALLY ISOLATED BUILDINGS DURING THE 2011 EARTHQUAKE OFF THE PACIFIC COAST OF TOHOKU / Masaaki Saruta (Shimizu
Earthquake response analyses of a levee and a viaduct using strong motion records obtained during the 2011 off the Pacific coast of Tohoku earthquake / Shojiro Kataoka (National Institute for Land and Infrastructure Management)
PERFORMANCE OF SEISMIC RETROFITTING OF SUPER HIGH-RISE BUILDING BASED ON EARTHQUAKE OBSERVATION RECORDS / RYOTA MASEKI (TAISEI
Earthquake Motion Observation Records at a High-rise Base Isolated Building during the 2011 off the Pacific Coast of Tohoku Earthquake / Shigeki Sakai (Technical Research Institute, Hazama Corporation)
Strong Motion Data in Buildings from the 2011 Great East Japan Earthquake / Toshihide Kashima (Building Research Institute)**

S6-4 Structural Engineering - Concrete (Cochairs: Pennung Warnitchai & Koshiro Nishimura) W934

Rapid Visual Screening and Two-Dimensional Seismic Vulnerability Classification of Important Buildings / Andres Winston Oreta (Department of Civil Engineering, De La Salle University)**
Seismic performance of R/C school buildings damaged by the 2011 Tohoku Pacific Earthquake / Kenji Kabayama (College of Engineering, Shibaura Institute of
NON-LINEAR ANALYSIS FOR A DAMAGED BUILDING AT 2009 SUMATRA EARTHQUAKES / Tetsuya Ohmura (Tokyo City University)
LESSONS LEARNT FROM 2011 VAN EARTHQUAKES IN TURKEY IN TERMS OF STRUCTURAL ENGINEERING / Alper Ilki (Istanbul Technical University, Civil

Structural Engineering - Others (Co-chairs: John van de Lindt & Susumu Kono) W934

A Comprehensive Introduction to the NEES-Soft Project: Seismic Risk Reduction for Soft-Story Woodframe Buildings / John van de Lindt (University of Alabama)**
Shaking table test of rocking systems for Japanese conventional wood house / Hiroshi Isoda (Shinshu University)
Earthquake Response Analysis of 2-Story Timber Structure with Passive Control Scheme by Detailed Frame Model / Kazuhiro Matsuda (Tokyo Institute of Technology)
Development of the Shear Wall with Friction Damper for Wooden Houses / Koji Yamada (Toyota National College of Technology)
Performance of composite members subject to three-dimensional loading / Hsieh-Lung Hsu (National Central University)
NON-LINEAR SEISMIC ANALYSIS AND COLLAPSE PROCESS PREDICTION OF MASONRY STRUCTURES / Nina Zheng (Chongqing university)
Evaluation of Tsunami Strengths of Houses subjected to a Tsunami Wave Load / Gaku Shoji (University of Tsukuba)

S6-5 Geotechnical Engineering (Co-chairs: Ahmed Elgamal & Akihiro Takahashi) W935

Kinematic Soil-Structure Interaction Effects from Building and Free-Field Seismic Arrays in Japan / Jonathan Stewart (UCLA)
Relation Between Overturning Moment Acting on Shallow Foundation And Ultimate Response of Superstructure During Strong Earthquakes / Shuji TAMURA (Disaster Prevention Institute, Kyoto University)
Dynamic response and settlement behavior of piled raft foundation of oil storage tank / Jiro Takemura (Tokyo Institute of Technology)
Seismic Performance of Coupled Soil-Pile-Structure System: Parametric Study / Mahmoud Hussien (Assiut University)
Influence of Embedded Foundation on Seismic Behavior of Pile-Supported Building in Liquefiable Soil / Sadayuki Ishizaki (Taisei Corporation)
SEISMIC RESPONSE OF SINGLE PILE IN LIQUEFIABLE SOIL / Chung-Jung Lee (Dept. of Civil Engineering, National Central university)
STUDY OF SHOWA BRIDGE PILE FAILURE USING A NEW P-Y CURVE MODEL FOR LIQUEFIED SOILS / Suresh Dash (IIT Bhubaneswar)
On the seismic behaviour of pile foundation in sliding slope / Akihiro Takahashi (Tokyo Institute of Technology)
Behavior of offshore wind turbines under seismic loading / Subhamoy Bhattacharya (University of Bristol)
EXPERIMENTAL INVESTIGATION ON AXIAL FORCE DISTRIBUTIONS OF PILES DURING EARTHQUAKES / Hiroko Suzuki (Tokyo Institute of Technology)
Centrifuge Tests on Liquefaction Suppression Effect of Overburden Pressure from Shallow Foundations / Hideki Funahara (TAISEI Corporation)

S7-H Great East Japan Earthquake (Co-chairs: TBA) Main Hall 13:15 - 16:30

Strong Ground Motion during the 2011 Off the Pacific Coast of Tohoku earthquake / Saburoh Midorikawa (Tokyo Institute of Technology)
Tohoku Earthquake Tsunami Disaster - Urgent Survey in Ports and Coasts / Shigeo Takahashi (Port and Airport Research Institute)
GEOTECHNICAL PROBLEMS IN THE 2011 TOHOKU PACIFIC EARTHQUAKE / Kohji Tokimatsu (Tokyo Institute of Technology)
Effects of Horizontal Drainage Layer for Seepage Control on Mitigation of Liquefaction of Levee Body / Akihiro Takahashi (Tokyo Institute of Technology)
Analysis of the Impact of Water-supply Outages due to Multiple Factors Caused by the 2011 Tohoku Earthquake / Yasuko Kuwata (Department of Civil Engineering, Kobe Damages of School Facilities in the Great East Japan Earthquake / Toru Takeuchi (Tokyo Institute of Technology)
Disasters and Lessons of Civil Engineering Structures by the Great East Japan Earthquake / Junichiro Niwa (Tokyo Institute of Technology)
A Field Study on Conditions and Roles of Tsunami Evacuation Buildings in the 2011 Tohoku Pacific Earthquake and Tsunami / Hitomi Murakami (Yamaguchi University Graduate School of Sci. and Engineering)
Reconstruction of the Tohoku Pacific Ocean Earthquake / Hideki Kaji (CUEE, Tokyo Institute of Technology)

Closing Session (Chair: Ross Boulanger) Main Hall 16:30 - 17:00

Award Presentation / Kohji Tokimatsu (Tokyo Institute of Technology)

Closing Remarks / Saburoh Midorikawa (Tokyo Institute of Technology)

Allocated times for each speaker would be:

- 30 min. for Keynote Lecture in each Main Session
- 20-25 min. for Invited Lectures in Parallel Sessions
- 15 min. for other presentations in Parallel Sessions
- 12 min. for each presentation in Young Researchers Sessions

* Please NOTE: full indicated time-length includes 3 minutes for discussion.