

INDEX BY TOPIC

00 STATE OF THE ART

- 2824 NON-ENGINEERED CONSTRUCTION IN DEVELOPING COUNTRIES –AN APPROACH TOWARD EARTHQUAKE RISK REDUCTION
Anand ARYA
- 2825 PASSIVE CONTROL OF STRUCTURES FOR SEISMIC LOADS
Ian BUCKLE
- 2826 RISK ASSESSMENT AND RETROFIT OF EXISTING BUILDINGS
William HOLMES
- 2827 ENGINEERING MANAGEMENT OF LIFELINE SYSTEMS UNDER EARTHQUAKE RISK
Hiroyuki Kameda
- 2828 SEISMIC DESIGN AND RETROFIT OF BRIDGES
Kazuhiko KAWASHIMA
- 2829 ADVANCES IN SEISMIC RISK MANAGEMENT IN DEVELOPING COUNTRIES
Shirley MATTINGLY
- 2830 DESIGN FOR LOW/MODERATE SEISMIC RISK
Paolo PINTO
- 2831 PERFORMANCE BASED SEISMIC DESIGN
M PRIESTLY
- 2832 GEOTECHNICAL FACTORS IN SEISMIC DESIGN OF FOUNDATIONS STATE-OF-THE-ART REPORT
Silvia GARCÍA, Manuel MENDOZA, Miguel ROMO
- 2833 SEISMIC HAZARD EVALUATION
PAUL SOMERVILLE
- 2834 ACTIVE, SEMI-ACTIVE AND HYBRID CONTROL OF STRUCTURES
T SOONG, B SPENCER, Jr

01 EARTHQUAKE ENGINEERING IN DEVELOPING COUNTRIES

- 0182 EARTHQUAKE VULNERABILITY EVALUATION OF BUILDINGS IN BANDUNG MUNICIPALITY
Adang SURAHMAN
- 0225 EVALUATION OF THE OUTCOME OF THE IDNDR PROGRAMME AND EARTHQUAKE RISK REDUCTION IN PERU
Julio Kuroiwa
- 0309 TECHNO-LEGAL REGIME FOR EARTHQUAKE RISK REDUCTION IN INDIA
Anand ARYA, T GUPTA
- 0468 A RACE WITH TIME IN THE EASTERN MEDITERRANEAN REGION
Walter HAYS
- 0508 REDUCING EARTHQUAKE VULNERABILITY THROUGH ENVIRONMENTAL JUSTICE: A CASE COMPARISON FROM INDIA
Martha KIRPES
- 0582 EARTHQUAKE RESISTANT DESIGN AND CONSTRUCTION PRACTICES IN JAMAICA, WEST INDIES
George BLANKSON
- 0618 PRACTICAL REHABILITATION OF BUILDINGS IN CRITICAL CONDITIONS
W Lobo-Quintero I
- 0786 IMPLEMENTATION OF THE IDNDR-RADIUS PROJECT IN LATIN AMERICA
Carlos Villacis, Cynthia Cardona
- 0788 THE KATHMANDU VALLEY EARTHQUAKE RISK MANAGEMENT PROJECT: AN EVALUATION
Shiva Pradhanang, Brian Tucker, Mahesh Nakarmi, Laura Dwelley-Samant, Amod Dixit
- 0791 A PROJECT TO STUDY URBAN EARTHQUAKE RISK WORLDWIDE
Carlos VILLACIS, Cynthia CARDONA, Brian TUCKER, Rachel DAVIDSON
- 0796 IMPLEMENTATION OF FAST EARTHQUAKE SCENARIOS FOR RISK MANAGEMENT IN DEVELOPING COUNTRIES
Cynthia CARDONA, Brian TUCKER, Carlos VILLACIS
- 0960 AN INNOVATIVE HOOK-CLIP FOR PERFORMANCE IMPROVEMENT OF REINFORCED CONCRETE TIED COLUMNS
Panitan LUKKUNAPRASIT
- 1239 IMPROVEMENT ON LOW COST HOUSING THROUGH NON-CONVENTIONAL CONSTRUCTION SYSTEMS
Jorge GALLARDO, Carlos ZAVALA
- 1284 EFFECT OF ASEISMIC DESIGN ON BUILDING COST IN EGYPT
Yasser EL-HAKEM, Mohamed SOBIAH
- 1444 STRATEGIES TO EXPAND EARTHQUAKE MITIGATION IN MACEDONIA
Timiovska LENKA

INDEX BY TOPIC

01 EARTHQUAKE ENGINEERING IN DEVELOPING COUNTRIES

- 1780 A MASONRY DESIGN STANDARD FOR USE IN DEVELOPING COUNTRIES
Jason INGHAM
- 1792 HISTORICAL DEVELOPMENTS AND CURRENT STATUS OF EARTHQUAKE ENGINEERING IN INDIA
Sudhir JAIN, Navin NIGAM
- 1808 AN INTEGRATED PUBLIC POLICY TOWARD NATURAL HAZARD MITIGATION: CAN URBAN PLANNING AND CONSTRUCTION SUPERVISION FIX ECONOMIC LOSSES?
Murat BALAMIR, Polat GÜLKAN, Haluk SUCUOGLU
- 1955 PERFORMANCE-BASED EARTHQUAKE-RESISTANT DESIGN OF CONFINED MASONRY WALLS
Victor Rodriguez, Mario Rodriguez
- 1981 SEISMIC CAPACITY EVALUATION AND RETROFITTING OF ADOBE CONSTRUCTIONS
Raúl VERA, Angel ALBITER, Sandra MIRANDA
- 1984 PREDICTION OF THE PROBABILITY OF EARTHQUAKE DAMAGE TO EXISTING BUILDINGS IN CHINA
Zengping Wen, Huxian Hu
- 2064 SKELETON SYSTEM - AN APPROACH FOR CONSTRUCTION OF RURAL BUILDINGS IN EARTHQUAKE PRONE AREAS
V MATHUR, N GOEL
- 2110 STRATEGIES FOR SEISMIC PREVENTION IN SCHOLAR'S BUILDINGS
Osvaldo ALBARRACÍN, Mirta ROMERO, Aldo ZARAGOZA, Marta MARTINET
- 2130 SEISMIC SAFETY IN OWNER-BUILT BUILDINGS
Jitendra Bothara, Richard Sharpe, Anand Arya, Yogeshwar Parajuli
- 2146 NEPAL BUILDING CODE - NEED, DEVELOPMENT PHILOSOPHY AND MEANS OF IMPLEMENTATION
Yogeshwar Parajuli, Jyoti Pradhan, Amod Dixit, Richard Sharpe, Jitendra Bothara
- 2151 SEISMIC HAZARD ASSESSMENT - PRACTICAL CONSIDERATIONS
Richard Sharpe, Robert Jury
- 2163 THE IMPACT OF THE 'BUILDING FOR SAFETY PROJECT' ON EARTHQUAKE RISK REDUCTION IN DEVELOPING COUNTRIES
Ian Davis, Robin SPENCE
- 2187 AN INITIATIVE TO REDUCE EARTHQUAKE RISK IN MAHARASHTRA, INDIA:
Frederick KRIMGOLD, Marjorie GREENE, Svetlana NIKOLIC-BRZEZ, Jelena PANTELIC, Krishna VATSA
- 2261 DISASTER RECOVERY AND MITIGATION AS SUSTAINABLE DEVELOPMENT TOOLS: THE CASE OF THE 1993, MAHARASHTRA (INDIA) EARTHQUAKE
Frederick KRIMGOLD, Marjorie GREENE, Svetlana NIKOLIC-BRZEZ, Jelena PANTELIC
- 2290 OVERVIEW OF THE MAHARASHTRA, INDIA EMERGENCY EARTHQUAKE REHABILITATION PROGRAM
Marjorie GREENE, Frederick KRIMGOLD, Jelena PANTELIC, Svetlana NIKOLIC-BRZEZ, Chandra GODAVITARNE
- 2380 EARTHQUAKE HAZARD MITIGATION ACHIEVEMENT IN IRAN
Mohsen Tehranizadeh, Mohsen GHAFORY-ASHTIANY, Mohammad-Kazem Jafari
- 2465 CHALLENGES IN THE IMPLEMENTATION OF EARTHQUAKE DISASTER REDUCTION PROGRAMS
Sergio ALCOCER, Roberto MELI
- 2526 METHODOLOGY OF ASSESSMENT AND MITIGATION OF URBAN SEISMIC RISK, TAKING INTO ACCOUNT VARIABILITY OF SEISMIC HAZARD PARAMETERS
Bakhtiar NURTAEV, Shamil KHAKIMOV, Rustam IBRAGIMOV
- 2527 REVIEW ON THE RADIUS TRAINING COURSE IN BRI
Hatsukazu MIZUNO
- 2528 RADIUS INITIATIVE FOR IDNDR - HOW TO REDUCE URBAN SEISMIC RISK
Kenji Okazaki, RADIUS Team
- 2530 RADIUS PROJECT IN ASIA – COMMENTS FROM THE INTERNATIONAL ADVISORY MEMBERS
Tsunehisa TSUGAWA, Jack RYNN, Anand ARYA
- 2532 SUVA EARTHQUAKE RISK MANAGEMENT SCENARIO PILOT PROJECT (SERMP)
Jack RYNN, Josefa SERULAGILAGI, Atu KALOUMARIA, Allan HULL
- 2540 RADIUS PROJECT IN TASHKENT, UZBEKISTAN
Sergey TYAGUNOV, Shamil KHAKIMOV, Rajib SHAW, Akhram MIRJALILOV, Ken SUDO, Tursunbay RASHIDOV
- 2581 SEISMIC RISK ASSESSMENT METHODS AND APPLICATION IN CHINA
Ming LU
- 2582 DEMONSTRATED PROJECT FOR SEISMIC HAZARD PREVENTION AND REDUCTION IN MINNAN AREAS, SOUTH FUJIAN PROVINCE
Jinhai Chen, Yunlian Du

INDEX BY TOPIC

01 EARTHQUAKE ENGINEERING IN DEVELOPING COUNTRIES

- 2583 THE EARTHQUAKE DISASTER PREDICTION AND DECISION SUPPORT SYSTEM IN SOUTHERN AREA OF FUJIAN PROVINCE IN CHINA
Xiaoxian Wang, Xiangrong Huang
- 2670 ASSESSMENT OF VULNERABILITY AND RISK OF LIFELINE SYSTEMS WITHIN THE FRAMEWORK OF THE RADIUS PROJECT FOR TASHKENT
Tursunbay RASHIDOV, Elena KUZMINA, Atkham MIRJALILOV
- 2695 GENERAL ASPECTS OF SEISMIC RISK REDUCTION IN THREATENED REGIONS
Darius AMIR-MAZAHERI
- 2818 HOW DO WE EVALUATE IDNDR?
Li-Li Xie
- 2819 RADIUS – AN IDNDR PROJECT ON URBAN EARTHQUAKE RISK MANAGEMENT
Carlos Villacis
- 2820 WSSI-AN IAEE'S UNDERTAKING FOR IDNDR
Tsuneo KATAYAMA

02 EARTHQUAKE ENGINEERING IN PRACTICE

- 0133 SEISMIC RESPONSE OF GRAVITY DAMS - CORRELATIONS BETWEEN SHAKE TABLE TESTS AND NUMERICAL ANALYSES
Martin Leclerc, Pierre Leger, Rene Tinawi
- 0232 EFFECTS OF JOINT OPENING AND MATERIAL NONLINEARITY ON THE SEISMIC RESPONSE OF A CONCRETE ARCH DAM
Soheil Razavi, Hiroyuki Watanabe
- 0402 SEISMIC MONITORING OF NUCLEAR POWER PLANT: AN APPROACH TO OPTIMAL AND MORE ACCURATE SEISMIC DATA PROCESSING AND INTERPRETATION PROCEDURE
Dimco MAMUCEVSKI, Dragi DOJCINOVSKI
- 0808 ENGINEERING PROPERTIES OF BEDROCK AT THE LIANYUNGANG NPP SITE IN CHINA
Yoshiharu KIYOTA, Zhi QIAO, Takaaki KONNO
- 0890 ENSURING SEISMIC RESISTANCE OF BRIDGE CROSSINGS ON THE RAILWAY LINE IN DAGHESTAN (RUSSIA)
V Surovtsev, V Seliverstov, M Sokolov
- 0911 SEISMIC DESIGN STRATEGY OF THE NEW EAST BAY BRIDGE SUSPENSION SPAN
Marwan Nader, Rafael Manzanarez, Brian Maroney
- 0964 MEASUREMENT OF DYNAMIC PROPERTIES AND EVALUATION OF LIQUEFACTION POTENTIAL OF A 500MW PROTOTYPE FAST BREEDER REACTOR SITE LOCATED IN SOUTH OF INDIA
P C Koteswara Rao, A Boominathan, S Hari, C Sivathanu Pillai
- 1155 THE STRENGTHENING OF AUCKLAND TOWN HALL
Trevor ROBERTSON
- 1200 SEISMIC PROTECTION OF ITALY'S HISTORIC HERITAGE USING THE SEISMIC ISOLATION APPROACH
Alberto PARDUCCI
- 1336 A PRACTICAL PROPOSAL FOR SEISMIC ISOLATION DESIGN AGAINST EXTREMELY STRONG EARTHQUAKES
Takayuki SHIMAZU, Ali BAKHSHI, Hideo ARAKI
- 1398 DAMAGE-TOLERANT DESIGN IN SHANGHAI JINMAO-TYPE BUILDINGS
Ruichong Zhang
- 1578 AUCKLAND HARBOUR BRIDGE SEISMIC RETROFIT
Michael BEAMISH, Ian BILLINGS
- 1636 HEARST MEMORIAL MINING BUILDING SEISMIC IMPROVEMENTS, UNIVERSITY OF CALIFORNIA, BERKELEY
Douglas ROBERTSON, Harold DAVIS
- 1713 DEVONPORT ROYAL DOCKYARD NUCLEAR SAFETY UPGRADE
Philip Hoby, Steven Drew
- 1714 ON THE DESIGN HISTORY OF A HYDROELECTRIC POWER PLANT IN TECTONIC ACTIVE ENVIRONMENTS
Fjóra Sigtryggsdóttir, Ragnar Sigbjörnsson, Jónas Snæbjörnsson, Jan Henje
- 1738 HYBRID EARTHQUAKE LOADING TEST (PSEUDO-DYNAMIC TEST) OF BI-DIRECTIONAL BASE ISOLATION BEARING FOR A LARGE PEDESTRIAN BRIDGE
Hirokazu IEMURA, Shuji IWATA, Atsushi HONDA, Katuhira SAKAI, Toru FUKUSHIMA, Kouichi SUGIYAMA
- 1779 EARTHQUAKE SAFETY OF AN ARCH-GRAVITY DAM WITH A HORIZONTAL CRACK IN THE UPPER PORTION OF THE DAM
Sujan Malla, Martin Wieland
- 1781 SEISMIC EARLY WARNING SYSTEM FOR A NUCLEAR POWER PLANT
Lothar Griesser, Martin Wieland, Christoph Kuendig

INDEX BY TOPIC

02 EARTHQUAKE ENGINEERING IN PRACTICE

- 1879 SEISMIC REHABILITATION OF NONDUCTILE REINFORCED CONCRETE GRAVITY FRAME
Javeed MUNSHI
- 2011 SEISMIC REHABILITATION OF JUSTICE HEADQUARTERS BUILDING OTTAWA, CANADA
Avtar Pall, Rashmi 'Tina' Pall, John Elliot, Guru Guruswamy, John Balazic
- 2120 THE EFFECTIVENESS OF LIGHT INTERVENTIONS OF ANTI-SEISMIC REINFORCEMENTS ON A MASONRY BUILDING
Luca FACCHINI, Andrea VIGNOLI, Sandro CHIOSTRINI
- 2141 INTERFEROMETRIC CHARACTERIZATION OF AREAS DAMAGED BY THE 1995 KOBE EARTHQUAKE USING SATELLITE SAR IMAGES
Masashi MATSUOKA, Fumio YAMAZAKI
- 2157 DYNAMIC MONITORING OF THE CONFEDERATION BRIDGE
David LAU, M CHEUNG, W li
- 2213 DEVELOPMENT OF A NEW SI SENSOR
Hiroyuki FURUKAWA, Kenichi KOGANEMARU, Kou TAKUBO, Yoshihisa SHIMIZU, Takashi YANADA, Wataru NAKAYAMA
- 2255 GIS-BASED EARTHQUAKE DAMAGE ANALYSIS IN THE GREATER CAIRO AREA
Amr Sadek, Ayman Solaiman, Mostafa Baraka
- 2375 EXPERIENCE OF RECONSTRUCTION AND REHABILITATION OF HISTORICAL BUILDINGS IN THE DOWNTOWN OF TBILISI
Merab Mamardashvili, Givi Homeriki, Igor Timchenko, Hugh Docherty
- 2393 SEISMIC RETROFIT OF FEDERAL BUILDINGS IN CANADA
Gerald DAVY, Jacques GRANADINO
- 2440 AN EXPERIMENTAL STUDY OF THE DYNAMIC CHARACTERISTICS OF VISCOUS FLUID DAMPERS FOR BASE ISOLATED BUILDING
Hyung-Oh Kwon, Min-ki Jeong, Doo-Hoon KIM
- 2490 ACTIVE FAULTS IN DAM FOUNDATIONS: AN UPDATE
Clarence ALLEN, Lloyd CLUFF
- 2492 EARTHQUAKE RESISTANCE OF LARGE DAMS IN CHINA
Houqun CHEN
- 2614 LONG SPAN BRIDGES IN CALIFORNIA - SEISMIC DESIGN AND RETROFIT ISSUES
Frieder Seible
- 2616 SEISMIC RETROFIT OF LONG BRIDGES IN THE HANSHIN EXPRESSWAY
Kozo NISHIMORI, Toshihiko NAGANUMA, Yukio ADACHI
- 2650 SEISMIC SAFETY ASSESSMENT OF TWO CONCRETE DAMS IN A CASCADE DEVELOPMENT - INVESTIGATIONS INTO THE USE OF QUALITATIVE RISK ANALYSIS TECHNIQUES
Benedict FAN, Desmond HARTFORD, Gilbert SHAW
- 2651 SEISMIC SAFETY ASSESSMENT OF DAMS AND APPURTENANT WORKS FOR AREAS OF LOW TO MODERATE SEISMICITY
Jim Hall, John Davis, Colin Taylor
- 2661 CONSIDERATION OF EARTHQUAKES IN THE DESIGN OF THE MACAU TOWER
Dejan Novakov, Rob Jury, Mark Spencer
- 2712 MATAHINA DAM - FAULT SURFACE DISPLACEMENT DESIGN CRITERIA
Murray Gillon, Kelvin Berryman, Paul Somerville, Tom Freeman, Lelio Mejia, Yoshiharu Moriwaki
- 2792 SEISMIC STUDIES OF THE SAN FRANCISCO-OAKLAND BAY BRIDGE
Shawn LARSEN, Abolhassan ASTANEH-ASL, David MCCALLEN
- 2793 SEISMIC DESIGN AND BEHAVIOR OF THE HIGASHI-KOBE BRIDGE AND RESTORATION AFTER THE 1995 KOBE EARTHQUAKE
M KITAZAWA, T NAGANUMA, J NOGUCHI, Y ADACHI
- 2794 SEISMIC DESIGN AND BEHAVIOR DURING THE HYOGO-KEN NANBU EARTHQUAKE OF THE AKASHI KAIKYO BRIDGE
Masahiko YASUDA, Makoto KITAGAWA, Toshimi MORITNI, Susumu FUKUNAGA

04 ENGINEERING SEISMOLOGY

- 0010 PROBABILITY-CONSISTENT SCENARIO EARTHQUAKE AND ITS APPLICATION IN ESTIMATION OF GROUND MOTIONS
Qi-feng Luo
- 0015 SEISMIC GROUND MOTION SIGNALS FROM DESIGN SPECTRUM FOR SOFT SOIL IN MEXICO CITY
Jorge SILVA-BALLESTEROS, Federico BARRANCO-CICILIA
- 0076 LOW-FREQUENCY BEHAVIOR OF COHERENCY FOR STRONG GROUND MOTIONS IN MEXICO CITY AND JAPAN
Ronald HARICHANDRAN, Ernesto HEREDIA-ZAVONI, Sandra SANTA-CRUZ

INDEX BY TOPIC

04 ENGINEERING SEISMOLOGY

- 0106 SEISMIC WAVE AMPLIFICATION BY LOCAL EFFECTS IN SANTA FE DE BOGOTA AND ARMENIA, COLOMBIA
JOHN NIVIA, J ALVARO, EDGAR RODRÍGUEZ-GRANADOS, G GONZALEZ
- 0126 GENERATION OF VERTICAL ACCELERATIONS FOR SEISMIC SLIDING RESPONSE OF GRAVITY DAMS
Pierre Léger, André Filiatrault, Constantin Christopoulos
- 0142 A JOINT RESEARCH ON MICROTREMORS IN FUKUI BASIN, JAPAN - FOR SITE EFFECTS EVALUATION DURING THE 1948 FUKUI (JAPAN) EARTHQUAKE
miki TERASAKA, kazuoh SEO, hiroaki yamanaka, katsumi kurita, kentaro motoki, kiminobu eto, hiroyoshi KOBAYASHI
- 0149 3D-SEISMIC WAVES IN A DIPPING SURFACE LAYER
Piotr BOREJKO, Franz ZIEGLER
- 0168 AN EMPIRICAL METHOD FOR PREDICTING DAMAGE CAUSED BY AN EARTHQUAKE TO ARTIFICIAL HOUSING SITES
Kenzo YOSHIKAWA, Takao ITO, Arturo LUNA, Akie ASADA, Yoshinobu MORI
- 0171 SITE EFFECTS ON SEISMIC RESPONSE OF NON LINEAR LAYERED GROUND
K FUCHIDA, S SHIRINASHIHAMA, T AKIYOSHI, X SUN
- 0179 INVESTIGATION ON ATTENUATION CHARACTERISTICS OF STRONG GROUND MOTIONS IN CHINA AND HONG KONG
John ZHAO, Y WONG
- 0188 PROBABILISTIC SEISMIC HAZARD MAPPING IN SLOVENIA
Polona ZUPANCIC, Janez LAPAJNE, Barbara SKET-MOTNIKAR
- 0204 ON THE POTENTIAL OF MICROTREMOR MEASUREMENTS
S. Steimen, F. Salami, D. Fäh, F. Kind, D. Giardini
- 0205 EARTHQUAKE SCENARIOS FOR SWITZERLAND
F BAY, H BACHMANN, D FÄH, A BECKER, P HUGGENBERGER, F KIND, K LANG, D MAYER-ROSA, T WENK, S SELLAMI, T NOACK, D GIARDINI
- 0206 STRONG-MOTION PARAMETERS: DEFINITION, USEFULNESS AND PREDICTABILITY
Julian Bommer, Alejandro Martínez-Pereira
- 0223 AN INTERMITTENTLY PROPAGATING SHEAR-DISLOCATION SEISMIC SOURCE MODEL
GWOLONG LAI
- 0224 EVALUATION OF LOCAL SITE EFFECTS IN THE KANTO DISTRICT BASED ON OBSERVATION RECORDS
Satoru TAKAHASHI, Tadashi ANNAKA, Tetsushi KURITA, Midori KAWAHARA
- 0239 RELIABILITY OF IDENTIFIED DYNAMIC SOIL PROPERTIES OF SUBSURFACE LAYERS IN GROUND BY VERTICAL ARRAY RECORDS
Osamu TSUJIHARA, Tsutomu SAWADA
- 0251 STRESS DROP AND FMAX ESTIMATED FROM STRONG MOTION RECORDS OBSERVED AT DEEP BOREHOLES IN JAPAN
Hiroshi KAWANO, Yoshihisa KOBAYASHI, Toshimi SATOH
- 0252 SENSITIVITY OF SEISMIC HAZARD TO VARIOUS PARAMETERS AND CORRELATION FOR PEAK GROUND ACCELERATION
A Ghosh, H Kushwaha
- 0260 SEISMIC VULNERABILITY ASSESSMENT OF REINFORCED CONCRETE BULDINGS USING MICROTREMOR MEASUREMENTS
Takuji HAMAMOTO, Yusuke OZEKI
- 0264 ATTENUATION LAWS OF SEISMIC MOVEMENT
Juan JARAMILLO, Gloria ECHEVERRI
- 0271 SIMULATION OF NEAR FIELD SEISMIC GROUND MOTIONS BY FEM CONSIDERING SOURCE RUPTURE MECHANISM
Toshihiro Tsuboi, Fusanori MIURA
- 0277 PREDICTION OF STRONG-MOTION CHARACTERISTICS OF BEDROCK MOTION IN YOKOHAMA, JAPAN, BASED ON SOURCE REGION CLASSIFICATION
Takumi TOSHINAWA, Yasuo UCHIYAMA, Takayuki KOBAYASHI, Yoshiyuki WATANABE
- 0316 TEMPORAL DEPENDENCE OF SEISMIC HAZARD IN JAPAN
Tadashi ANNAKA, Harumi YASHIRO
- 0322 SUBSURFACE STRUCTURE OF LIJIANG BASIN, YUNNAN, CHINA, AS RELATED TO DAMAGE DISTRIBUTION CAUSED BY THE M7.0 LIJIANG EARTHQUAKE OF FEBRUARY 3, 1996
M KOMAZAWA, L JIANG, K LI, Q LUO, K NISHIMURA, J AKAMATSU, M NAKAMURA
- 0343 MICRO ZONING THE CITY OF TUNIS USING BOTH BACKGROUND NOISE AND WEAK MOTIONS
A DUVAL, P MENEROUD, S VIDAL, P MECHLER, N BOUDEN-ROMDHANE
- 0379 A GLOBAL MODEL FOR AFTERSHOCK BEHAVIOUR
Euan SMITH, Annemarie CHRISTOPHERSEN

INDEX BY TOPIC

04 ENGINEERING SEISMOLOGY

- 0383 GUIDANCE ON DESIGN GROUND MOTION FOR CRITICAL FACILITIES
A MURPHY, Robin MCGUIRE, R KENNEALLY, N CHOKSHI
- 0407 SEISMIC ANALYSIS OF INTEGRATED WHOLE SYSTEM WITH SOURCE, PROPAGATION PATH AND STRUCTURE
Hiroshi DOHI, Satoshi MATSUDA, Masahiro KAWANO
- 0440 ESTIMATION OF NON-LINEAR SITE AMPLIFICATION USING DOWNHOLE RECORDINGS
Mohammad Ghayamghamian, Hideji Kawakami
- 0443 HAZARD--CONSISTENT DESCRIPTION OF SEISMIC ACTION FOR A NEW GENERATION OF SEISMIC CODES: A CASE STUDY CONSIDERING LOW SEISMICITY REGIONS OF CENTRAL EUROPE
Gottfried GRÜNTAL, Jochen SCHWARZ
- 0452 A SYSTEM FOR THE PROBABALISTIC ASSESSMENT OF EARTHQUAKE MOTIONS
Hishashi KONNO, Hiroomi URAKAWA, Akio KOIKE, Kenji IKEDA, Leslie Kazuhiro HATA, Katsuhiko NISHIMURA
- 0462 STIFFNESS MATRICES-BASED FORMALISM OF GROUND MOTION SYNTHESIS AND DIFFERENTIAL GROUND MOTIONS
Takanori HARADA, Tsuneo OHSUMI
- 0497 RECENT PROGRESS ON NEURAL NETWORK BASED METHODOLOGY FOR GENERATING ARTIFICIAL EARTHQUAKE ACCELEROGRAMS
Chu-Chieh LIN, Jamshid GHABOUSSI
- 0509 RESPONSE SPECTRUM METHOD FOR EVALUATING NONLINEAR AMPLIFICATION OF SURFACE STRATA
Masanori IIBA, Kenji MIURA, Kohji KOYAMADA
- 0532 NEW ATTENUATION RELATIONS FOR PEAK GROUND ACCELERATION AND VELOCITY CONSIDERING EFFECTS OF FAULT TYPE AND SITE CONDITION
Saburoh MIDORIKAWA, Hongjun SI
- 0538 APPLICABILITY OF EMPIRICAL GREEN'S FUNCTION METHOD TO STRONG MOTION RECORDS ON MAN-MADE ISLAND IN KOBE
Tatsuo UWABE, Atsushi NOZU
- 0553 STABILITY ANALYSIS OF FALLS IN STATIC AND DYNAMIC CONDITIONS IN SEISMIC CLASSIFIED AREAS FOR URBAN PLANNING: AN APPLICATION IN A SITE TEST (GARGNANO - REGIONE LOMBARDIA - ITALIA)
F PERGALANI, A BELLONI, N PADOVAN, M PRESBITERO, L LUZI, V PETRINI
- 0565 PHASE ANGLE PROPERTIES OF EARTHQUAKE STRONG MOTIONS: A CRITICAL LOOK
B Tiliouine, M Hammoutene, P BARD
- 0569 SOME PRELIMINARY RESULTS AND ANALYSIS OF DIFFERENT GEODYNAMIC TECHNIQUES WITH SPECIAL REMARK ON GPS AND TILTMETER MEASUREMENTS IN CROATIA
Yüksel ALTINER, Krešimir COLIC, Radovan MARJANOVIC - KAVANAGH
- 0572 FUNDAMENTAL ASPECTS OF SITE RESPONSE DETERMINED FROM INVERSION OF VERTICAL ARRAY DATA
Steven Glaser, Laurie Baise
- 0573 SPATIAL EVALUATION OF SITE EFFECTS IN ASHIGARA VALLEY BASED ON S-WAVE VELOCITY STRUCTURES DETERMINED BY ARRAY OBSERVATIONS OF MICROTREMORS
Tatsuo KANNO, Kazuyoshi KUDO, Masayoshi TAKAHASHI, Tsutomu SASATANI, Suqun LING, Hiroshi OKADA
- 0605 EARTHQUAKE LOSS ESTIMATION FOR THE NEW YORK CITY AREA
Guy NORDENSON, George DEODATIS, Klaus JACOB, Michael TANTALA
- 0613 STRONG-MOTION RECORDS AT LARGE DAMS
Georges Darbre
- 0616 BLIND DECONVOLUTION OF GROUND SURFACE SEISMIC RECORDINGS FOR SITE RESPONSE IDENTIFICATION
P Bard, A Petropulu, A zerva
- 0620 DERIVATION OF SEISMIC RESPONSE SPECTRA FROM THE COMBINATION OF FUZZY LOGIC THEORY AND A NON-LINEAR NUMERICAL MODEL
Aïssa MELLAL
- 0632 PROBABILISTIC SEISMIC HAZARD MAP ON THE FRENCH NATIONAL TERRITORY
E Andre, P Dominique
- 0635 SEISMIC RISK ASSESSMENT AT BOTH URBAN AND REGIONAL SCALES IN THE FRENCH LESSER ANTILLES: METHODS AND RESULTS
Myriam BOUR, Olivier MONGE, Richard SOULOUMIAC, Christoph MARTIN, Eric LEROI, Franck CHAUVEL, Jean-Marc MOMPÉLAT, Oliver SEDAN, Benoit LEBRUN, Carola MERGON
- 0637 INFLUENCE OF A LOW RESISTANCE LAYER ON SEISMIC SOIL RESPONSE USING CYBERQUAKE
Daniel CHASSAGNEUX, Pierre MOUROUX, Myriam BOUR
- 0643 A COMPARISON OF SITE-AMPLIFICATION ESTIMATED FROM DIFFERENT METHODS USING A STRONG MOTION OBSERVATION ARRAY IN TANGSHAN, CHINA
Wenbo ZHANG, Koji MATSUNAMI

INDEX BY TOPIC

04 ENGINEERING SEISMOLOGY

- 0661 INTERPRETING GROUND CONDITIONS AND EARTHQUAKE DAMAGES BASED ON THE LAND USE AND ITS CHANGE
Akihiko KONDOH, Sachio YAMAGUCHI, Shoichi NAKAI
- 0664 SOME SIMULATIONS FOR ASSESSMENT OF EARTHQUAKE HAZARDS IN THE JAPANESE ISLANDS BY USE OF THE ACTIVE FAULT CATALOGUE AND HISTORICAL RECORDS
Minoru MATSUO, Takashi KUMAMOTO, Yasuhiro SUZUKI, Michiyo SUGAI
- 0676 3D VISCO-ELASTIC WAVE PROPAGATION IN THE BORREGO VALLEY, CALIFORNIA
Kim Olsen, Robert Nigbor, Takaaki Konno
- 0677 A SIMPLIFIED PROCEDURE TO MEASURE AVERAGE SHEAR-WAVE VELOCITY TO A DEPTH OF 30 METERS (VS30)
Leo BROWN, John DIEHL, Robert NIGBOR
- 0683 IDENTIFICATION OF PATH AND LOCAL SITE EFFECTS ON PHASE SPECTRUM OF SEISMIC GROUND MOTION
Sumio SAWADA, Keijyu YOKOYAMA, Hitoshi MORIKAWA, Kenzo TOKI
- 0685 STUDY OF NONLINEAR SOIL AMPLIFICATION CHARACTERISTICS OF THE ACCELERATION RESPONSE SPECTRUM
Shigeru NAGATA, Naoto OHBO, Nobuhisa SHIOZAKI, Hiroshi ISHIDA
- 0690 TIME INTEGRATION SCHEME THAT ELIMINATES HIGH FREQUENCY NOISE BY DIGITAL FILTER
Sumio SAWADA, Riki HONDA
- 0691 MODELLING OF DEEP BASIN STRUCTURE AND NUMERICAL SIMULATION OF GROUND MOTIONS AT LONG PERIODS IN OSAKA PLAIN
K WAKAMATSU, K TANAKA, S OKUDA, O KURIMOTO
- 0698 SOURCE ANALYSIS OF NEAR-FIELD EARTHQUAKE RECORDS OBSERVED IN ROCK SITES
M YAMADA, N HORI, S YAMAMOTO
- 0700 SPATIAL DISTRIBUTION OF STRONG GROUND MOTION CONSIDERING ASPERITY AND DIRECTIVITY OF FAULT
Shunroku YAMAMOTO
- 0722 SENSITIVITY STUDY OF NEAR-SOURCE GROUND MOTION
Thomas Heaton, Brad Aagaard, John Hall
- 0724 THREE DIMENSIONAL ATTENUATION STRUCTURE AND SITE AMPLIFICATION INVERSION BY USING A LARGE QUANTITY OF SEISMIC STRONG MOTION RECORDS IN JAPAN
Tomiiichi UETAKE, Ryoichi NAKAMURA
- 0730 A PROCEDURE TO MODIFY THE FREQUENCY AND ENVELOPE CHARACTERISTICS OF EMPIRICAL GREEN'S FUNCTION
Lin LU
- 0745 STATISTICAL CHARACTERISTICS OF LONG PERIOD RESPONSE SPECTRA OF EARTHQUAKE GROUND MOTION
Zongfang XIANG, Yingmin LI
- 0751 REASSESEMENT OF EARTHQUAKE HAZARD IN AUSTRALIA
Amy Brown, Gary Gibson
- 0756 THE SOURCE INVERSION WITH ELEMENT SOURCE WAVEFORMS INCLUDING RUPTURE DIRECTIVITY ON EACH SUBFAULT BY CONVOLUTION TECHNIQUE
Tomotaka IWATA, Kojiro IRIKURA, Haruko SEKIGUCHI
- 0757 THE GROUND MOTION CHARACTERISTICS OF ASHIGARA VALLEY, JAPAN
Tomiiichi UETAKE, Kazuyoshi KUDO
- 0760 THE USEFUL METHOD OF PREDICTING SEISMIC GROUND SEVERITY FOR SUBDUCTION ZONES
Shigeyuki OKADA, Hiroshi UMEDA, Nobuo TAKAI
- 0763 A HYBRID METHOD FOR PREDICTING STRONG GROUND MOTIONS AT BROAD-FREQUENCIES NEAR M8 EARTHQUAKES IN SUBDUCTION ZONES
Yoshiaki HISADA
- 0770 EFFECTS OF GROUND WATER ON SEISMIC RESPONSES OF BASIN
Huei-Tsyr CHEN, Jern-Chern HO
- 0805 EFFECTS OF UNDERGROUND TOPOGRAPHICAL IRREGULARITY TO SEISMIC AMPLIFICATION IN THE NOBI PLAIN
K TANAKA, O KURIMOTO, N FUKUWA
- 0823 MICROZONING OF SEISMIC INTENSITY DISTRIBUTION CONSIDERING SITE EFFECTS DUE TO IRREGULARITY OF SUBSURFACE SOIL STRUCTURES
Takahisa ENOMOTO, Toshio KURIYAMA, Toshio MOCHIZUKI
- 0853 ON SEISMIC MOTION NEAR ACTIVE FAULTS BASED ON SEISMIC RECORDS
H WANG, A NISHIMURA
- 0860 A COMBINED APPROACH OF EVALUATION OF LONG-PERIOD DESIGN SPECTRUM
Yuxian HU, Yan-Xiang YU
- 0861 EFFECTS OF RADIATION PATTERN ON LOCAL SITE EFFECTS OF SEDIMENTARY BASIN
Kiyotaka SATO, Hiroshi YAJIMA, Shunji SASAKI, Sadanori HIGASHI

INDEX BY TOPIC

04 ENGINEERING SEISMOLOGY

- 0865 SEISMIC ZONATION OF THE SOUTH-WESTERN PART OF KANTO PLAIN, JAPAN, BASED ON GEOMORPHOLOGICAL ANALYSIS
Diana POLONSKA, Kazuoh SEO
- 0871 DISTANCE-DEPENDENT ATTENUATION FACTOR IN THE STOCHASTIC SIMULATION OF HIGH-FREQUENCY GROUND MOTIONS
Saori TAKAMI, Koshiro EN, Arihide NOBATA
- 0894 SEISMIC MONITORING OF STRUCTURES - AN IMPORTANT ELEMENT OF SEISMIC HAZARD REDUCTION
Kosta Talaganov, Vladimir Mihailov, Mehmet Celebi
- 0897 SEISMIC VULNERABILITY OF PEREIRA CITY, COLOMBIA
Juan JARAMILLO, Ana CAMPOS
- 0918 STUDY ON MICROTREMOR CHARACTERISTICS BASED ON SIMULTANEOUS MEASUREMENTS BETWEEN BASEMENT AND SURFACE USING BOREHOLE
Takahisa ENOMOTO, Toshio KURIYAMA, Masahiro NAGUMO, Manuel Navarro, Norio ABEKI, Takahiro IWATATE
- 0931 USE OF SYNCHRONOUS NOISE AS TEST SIGNAL FOR EVALUATION OF STRONG MOTION DATA PROCESSING SCHEMES
Ashok Kumar, Susanta Basu, Brijesh Chandra
- 0953 EMPIRICAL RESPONSE SPECTRAL ATTENUATIONS ON THE ROCKS WITH $V_S = 0.5$ TO 3.0 KM/S IN JAPAN
Hiroshi KAWANO, Masayuki TAKEMURA, Masanobu TOHDO, Takahide WATANABE, Shizuo NODA, Katsuya TAKAHASHI
- 0956 ESTIMATION OF EARTHQUAKE MOTION INCIDENT ANGLE AT ROCK SITE
Takahiro SIGAKI, Takeshi UGATA, Ryoichi TAMURA, Chiaki YOSHIMURA, Kazuhiko KIYOHARA, Yoichi SONO, Dai KINOSITA, Toru MASAO
- 0968 A TECHNIQUE FOR QUICK ESTIMATION OF SEISMIC GROUND MOTION DISTRIBUTION FROM OBSERVED SEISMIC INTENSITIES ASSISTED BY PREVIOUSLY CONDUCTED MINUTE SIMULATIONS
Takashi AKAZAWA, Takao KAGAWA
- 0969 RE-EVALUATION OF NONLINEAR SITE RESPONSE DURING THE 1964 NIIGATA EARTHQUAKE USING THE STRONG MOTION RECORDS AT KAWAGISHI-CHO, NIIGATA CITY
Tatsuo KANNO, Tomiichi UETAKE, Kazuyoshi KUDO
- 0970 ESTIMATION OF HIGH-FREQUENCY WAVE RADIATION AREAS ON THE FAULT PLANE OF THE 1994 SANRIKU-HARUKA-OKI EARTHQUAKE
S KURITA, Mitugu TAKITA
- 0976 POTENTIAL SEISMIC RISK ASSESSMENT OF URBAN CITIES IN JAPAN CONSIDERING THEIR REGIONAL CHARACTERISTICS
Yoshiaki NAKANO, Kangseok LEE, Go URAKAWA, Suminao MURAKAMI, Tsuneo OKADA
- 0990 STRONG MOTION SIMULATION OF HYOGO-KEN NANBU (KOBE) EARTHQUAKE CONSIDERING BOTH THE HETEROGENEOUS RUPTURE PROCESS AND THE 3-D BASIN STRUCTURE
Robert GRAVES, Paul SOMERVILLE, Shinichi MATSUSHIMA, Hiroshi KAWASE
- 0991 MODELING THE GROUND MOTION DURING THE 1995 HYOGO-KEN NANBU EARTHQUAKE BY A 3-D BEM
Shojiro KATAOKA
- 0999 STOCHASTICALLY BASED PREDICTION OF SITE-SPECIFIC SPECTRAL RESPONSE FOR DESIGN
Bujar MUSMILAJ, Yutaka MATSUSHIMA
- 1013 GROUND MOTION CHARACTERISTICS IN THE GRABEN-LIKE IRREGULAR UNDERGROUND STRUCTURE FOR FINITE MOVING SOURCE WITH DIFFERENT SLIP SIZE
Masato MOTOSAKA, Ali NIOUSHA
- 1023 THE GROUND TREMOR AND ITS APPLICATION IN ENGINEERING SEISMOLOGY
Xueweng LIN, Lanmin WANG
- 1041 MODELS FOR SEISMIC HAZARD ASSESSMENT IN AUSTRALIA
Malcolm Somerville, Cvetan Sinadinovski, Kevin McCue
- 1049 SEISMIC RISK EVALUATION IN MÉRIDA, VENEZUELA
A CASTILLO, L PUJADES, F LÓPEZ-ALMANSA
- 1092 PHASE CHARACTERISTICS OF SOURCE TIME FUNCTION MODELED BY STOCHASTIC IMPULSE TRAIN
K TOKI, S SAWADA, H MORIKAWA, K KAWASAKI, Y KANEKO
- 1099 DYNAMIC VARIATION OF SOIL RIGIDITY BASED ON DOWN-HOLE ARRAY OBSERVATION
Makoto KAMIYAMA, Tadashi MATSUKAWA, Masaru YOSHIDA
- 1141 MODELS OF RESIDENTIAL EARTHQUAKE LOSS BASED ON NON-LINEAR INSTRUMENTAL GROUND MOTION
Robin McGUIRE, Gabriel TORO
- 1151 INFLUENCE OF STRONG GROUND MOTION DURATION IN SEISMIC DESIGN OF STRUCTURES
Raúl GUERRERO, Mario ORDAZ, Eduardo REINOSO

INDEX BY TOPIC

04 ENGINEERING SEISMOLOGY

- 1159 A STUDY OF SEISMICITY AND EARTHQUAKE LOADING AT THE PROPOSED KALABSHA DAM SITE, ASWAN, EGYPT
Raafat Fat-Helbary, Aly Tealb
- 1179 EFFECTS OF MAGNITUDE UNCERTAINTIES ON SEISMIC HAZARD ESTIMATES
David RHOADES, David DOWRICK
- 1195 RELATIONSHIPS BETWEEN BASIC GROUND MOTION PARAMETERS FOR EARTHQUAKES OF THE ARGENTINE WESTERN REGION
C MONGUILNER, N PONTI, S PAVONI
- 1209 ARRAY OBSERVATION OF GROUND STRAINS INDUCED BY EARTHQUAKES
Masakazu TACHIBANA, Shigeaki MORICHI, Yoshinori IMAMURA
- 1234 INFLUENCE OF EFFECTIVE DURATION OF STRONG MOTION ON ELASTIC RESPONSE SPECTRA
Mohsen TEHRANIZADEH, Farzaneh HAMEDI
- 1243 ESTIMATION OF EMPIRICAL SITE AMPLIFICATION EFFECTS USING OBSERVED RECORDS
Kojiro IRIKURA, Yoshiki TATSUMI, Akira KOWADA, Masaru TAI, Masato TSURUGI
- 1247 RECORDINGS AND APPLICATIONS OF THE ICELANDIC STRONG MOTION NETWORK
Ódinn Thórarinnsson, Gunnar I. Baldvinsson, Símon Ólafsson, Ragnar Sigbjörnsson
- 1250 ESTIMATION OF SITE EFFECTS USING MICROTREMOR MEASUREMENTS AND ANALYTICAL MODELLING – APPLICATION TO THE LOWER TAGUS VALLEY, PORTUGAL
M.Luís Senos, Paula Teves Costa
- 1256 ANALYSIS OF GROUND MOTION AMPLIFICATION OF SEDIMENTARY BASINS: STUDY ON THE HEAVILY DAMAGED BELT ZONE DURING 1995 KOBE EARTHQUAKE
Kazuhiro YOSHIDA, Yuzo SHINOZAKI
- 1257 ANALYSIS OF SEISMIC SITE EFFECTS : BEM AND MODAL APPROACH VS EXPERIMENTS
Anne-Marie DUVAL, Patrick DANGLA, Jean-Francois SEMBLAT
- 1272 THE DOMINANT RESONANCE RESPONSE OF PARKWAY BASIN
William STEPHENSON
- 1282 EARTHQUAKE MONITORING BASED ON SEISMIC INTENSITIES
Lenka TIMIOVSKA
- 1313 INVESTIGATION OF GROUND MOTIONS AND STRUCTURAL RESPONSES IN NEAR FIELD DUE TO INCIDENT WAVES
Nawawi CHOUW, Guenther SCHMID, Maher ADAM
- 1335 AMPLIFICATION OF SEDIMENTARY LAYERS AND ESTIMATION OF THEIR STRUCTURES IN SHIGA PREFECTURE, JAPAN
Kazumasa FUKUMOTO, Teizo FUJIWARA
- 1343 EXAMINATION OF ESTIMATED SURFACE LAYER PROFILES BASED ON SOIL DATA AND MICROTREMOR RECORDS USING OBSERVED SEISMIC GROUND MOTIONS
Jun TOBITA, Nobuo FUKUWA, Riei ISHIDA
- 1347 GROUND MOTIONS FROM LARGE EARTHQUAKES (MW³⁷) ON THE SANTA MONICA MOUNTAIN THRUST AND HOLLYWOOD-SANTA MONICA-MALIBU FAULTS
C SAIKIA, P SOMMERVILLE
- 1348 CHARACTERISTICS OF THREE-DEMENTIONAL STRONG GROUND MOTIONS ALONG PRINCIPAL AXES
Bunho KOJIKI, Tsuneo KATAYAMA, Keiichi OHTANI
- 1359 OBSERVATION AND SYNTHESIS OF LONG-PERIOD EARTHQUAKE GROUND MOTIONS AT THE AKASHI KAIKYO BRIDGE CONSTRUCTION SITE
Hirokazu IEMURA, Masahiko YASUDA, Zenon AGUILAR, Akira IGARASHI
- 1369 PREDICTION OF DAMAGE RATE OF BUILDING GROUPS IN URBAN AREAS BY STRONG EARTHQUAKES
Akenori SHIBATA, Masato MOTOSAKA, Yoshinori HAGIWARA
- 1371 POSTDICTION OF STRONG MOTION FOR THE 1923 KANTO EARTHQUAKE CONSIDERING ITS HETEROGENEOUS SOURCE PROCESS
Y SHIBA, M SHIMADA, T ANNAKA
- 1376 ENERGY QUANTIFICATION OF SEISMIC ACTIVITY ORIGINATED IN THE PROVINCE OF MENDOZA IN THE PERIOD 1956-1998
Miguel Eduardo TORNELLO, Eduardo Oscar SILVA, Carlos Daniel FRAU
- 1377 DEVELOPMENT OF URGENT EARTHQUAKE DAMAGE ESTIMATION SYSTEM FOR ROAD FACILITIES
Tadashi HAMADA, Masahiro KANEKO, Hideki SUGITA
- 1390 COMPARISON OF SITE RESPONSE DETERMININATION TECHNIQUES IN THE WELLINGTON REGION, NEW ZEALAND
J Taber
- 1420 A FUNDAMENTAL STUDY ON THE SEISMIC RESPONSES OF GROUND
Takaaki KAGAWA, Xian TAO

INDEX BY TOPIC

04 ENGINEERING SEISMOLOGY

- 1424 CALCULATION OF LONG-PERIOD GROUND MOTION RESPONSE SPECTRUM BY USING BROAD-BAND DIGITAL RECORD
Yuxian HU, Yanxiang YU, Suyun Wang
- 1432 ATTENUATION RELATION OF RESPONSE SPECTRA IN JAPAN CONSIDERING SITE-SPECIFIC TERM
Khosrow T. SHABESTARI, Fumio YAMAZAKI
- 1439 SEISMICITY STUDIES OF THE AZORES ISLANDS - AN APPLICATION TO THE JULY 9, 1998 EARTHQUAKE
M.Luisa Senos, Paula Teves-Costa, José Nunes
- 1441 SITE EFFECTS IN AN ALLUVIAL VALLEY: A COMPARISON OF ESTIMATES FROM EARTHQUAKE AND MICROTREMOR RECORDS
Miguel Rodríguez, Francisco Chávez-García, William Stephenson
- 1447 STRONG GROUND MOTION SIMULATION OF AUSTRALIAN INTRAPLATE EARTHQUAKES AND THEIR RELATIONSHIP WITH THE RECOMMENDED RESPONSE SPECTRA
Kevin McCue, Malcolm Somerville, Cvetan Sinadinovski
- 1457 THE DEVELOPING OF GROUND RESPONSE SPECTRA FOR EXTREME SEISMIC EVENTS IN SOUTHERN FINLAND
Pentti VARPASUO, Yrjö NIKKARI, Jouni SAARI
- 1466 AMPLIFICATION OF EARTHQUAKE GROUND MOTIONS IN BANGKOK
Warrasak JAKRAPIYANUN, Panitan LUKKUNAPRASIT, Scott ASHFORD
- 1469 A HIGH-DENSITY ARRAY OBSERVATION SYSTEM: SMALL-TITAN: AN INTRODUCTION AND ITS STRONG-MOTION RECORDS
Yuichi SHOJI, Makoto KAMIYAMA
- 1484 EXPLORATION OF BASIN STRUCTURE BY MICROTREMOR ARRAY TECHNIQUE FOR ESTIMATION OF LONG-PERIOD GROUND MOTION
Kazuoh SEO, Yoshihiro KINUGASA, Katsumi KURITA, Hiroaki YAMANAKA, Nobuyuki YAMADA, Hiroaki SATO, Seiji OIKAWA, Yoshihisa OGATA
- 1486 THREE-DIMENSIONAL FINITE DIFFERENCE SIMULATION OF LONG-PERIOD GROUND MOTION IN THE KANTO PLAIN, JAPAN
Nobuyuki YAMADA, Hiroaki Yamanaka
- 1507 CHARACTERISTICS OF SURFACE MOTION ON A TOPOGRAPHIC IRREGULAR GROUND DURING LARGE EARTHQUAKES
Masanori NIWA, Toru SASAKI, Kaeko YAHATA, Tsunehisa TSUGAWA
- 1522 ANALYTICAL STUDY ON RELIABILITY OF SEISMIC SITE-SPECIFIC CHARACTERISTICS ESTIMATED FROM MICROTREMOR MEASUREMENTS
Boming ZHAO, Masanori HORIKE, Yoshihiro TAKEUCHI
- 1537 EVALUATION OF DESTRUCTIVENESS OF EARTHQUAKE MOTIONS BY COLLAPSE BASE SHEAR COEFFICIENT SPECTRA
Tetsuhiro ASARI, Keiichi INOUE, Yuji ISHIYAMA
- 1548 PROBABILISTIC SEISMIC HAZARD ANALYSIS: IMPROVING CONSISTENCY WITH PRECARIOUS ROCK OBSERVATIONS BY REMOVING THE ERGODIC ASSUMPTION
John Anderson, James Brune
- 1555 LOWER PROBABILITY HAZARD, BETTER PERFORMANCE? UNDERSTANDING THE SHAPE OF THE HAZARD CURVES FROM CANADA'S FOURTH GENERATION SEISMIC HAZARD RESULTS
Stephen HALCHUK, John ADAMS, Dieter WEICHERT
- 1577 EMPIRICAL EVIDENCE FROM THE NORTHRIDGE EARTHQUAKE FOR SITE-SPECIFIC AMPLIFICATION FACTORS USED IN US BUILDING CODES
Roger Borchardt, Thomas Fumal
- 1588 EARTHQUAKE GROUND DAMAGE HAZARD STUDIES AND THEIR USE IN RISK MANAGEMENT, IN THE WELLINGTON REGION, NEW ZEALAND
Pathmanathan BRABHAHARAN
- 1600 IMPACT OF THE LOCAL GEOLOGY ON THE SEISMIC VULNERABILITY OF THE METROPOLITAN ZONE OF GUADALAJARA, MEXICO
M CHAVEZ
- 1607 A STUDY OF SITE AMPLIFICATION EFFECTS IN SANTIAGO BASED ON EARTHQUAKE RECORDS OBTAINED FROM THE SMASCH ARRAY
Dania VALDIVIA, Lorena FERNANDEZ, Ernesto CRUZ, Rafael RIDDELL
- 1616 CREEP VERSUS SEISMIC SLIP ON THE KORIZAN EARTHQUAKE FAULT: THE ARDEKUL, QA'ENAT (EASTERN IRAN) DESTRUCTIVE EARTHQUAKE OF MAY 10, 1997
Ali Naeeri
- 1656 REGIONAL PROBABILISTIC SEISMIC HAZARD ANALYSES USING GEOLOGIC DATA
Behrooz Tavakoli, Mohsen Ghafory Ashtiany, Ali-Akbar Eslami

INDEX BY TOPIC

04 ENGINEERING SEISMOLOGY

- 1659 PEAK GROUND MOTION CHARACTERISTICS OF 1995 KOBE EARTHQUAKE AND AN EXTRACTED SIMPLE EVALUATION METHOD
J Ejiri, Y GOTO, K Toki
- 1666 RESPONSE CHARACTERISTICS OF SOIL AND STRUCTURES OBTAINED FROM OBSERVATION NETWORKS
Teizo FUJIWARA, Yoshiyuki SUZUKI, Kazumasa FUKUMOTO
- 1670 ISOSEISMAL MAP OF THE 1995 HYOGO-KEN-NANBU EARTHQUAKE
Saburoh MIDORIKAWA, Kazuo FUJIMOTO
- 1705 LINEAR AND NONLINEAR BEHAVIORS ON A SOIL SITE USING LOTUNG DOWNHOLE ARRAY IN TAIWAN
H CHIU, C SHIEH, H HUANG
- 1724 TIME-FREQUENCY ANALYSIS OF EARTHQUAKE RECORDS
Carlos Huerta-Lopez, YongJune SHIN, Edward Powers, Jose Roesset
- 1726 DEVELOPMENT OF SYNTHETIC GROUND MOTIONS - BEDROCK OF JAKARTA
WIDIADNYANA MERATI, JODI FIRMANSIAH, WIRATMAN WANGSADINATA, ADANG SURACHMAN, MASYHUR IRSYAM
- 1751 SIMULATION OF STRONG MOTION DURING THE 1995 HYOGO-KEN-NANBU EARTHQUAKE BY USING THE 2D/3D PSEUDOSPECTRAL METHOD
S HIGASHI
- 1768 MICROTREMOR STUDIES IN SOUTH OF TEHRAN
M. Kazem Jafari
- 1776 SOURCE PARAMETERS STUDY OF LOCAL EARTHQUAKES IN THE GARHWAL HIMALAYA REGION BASED ON THE DIGITAL BROADBAND DATA
Hans Wason, Mukat Sharma
- 1825 STATISTICAL CHARACTERIZATION OF THE RESPONSE SPECTRA IN THE ARGENTINE REPUBLIC
D RICHARTE, S PAVONI, N PONTI, C MONGUILNER
- 1834 CRUSTAL AND SUBDUCTION ZONE ATTENUATION RELATIONS FOR NEW ZEALAND EARTHQUAKES
Graeme McVERRY, John ZHAO, Norman ABRAHAMSON, Paul SOMERVILLE
- 1850 SOURCE CHARACTERIZATION OF INLAND EARTHQUAKES IN JAPAN USING SOURCE INVERSION RESULTS
Kojiro IRIKURA, Ken MIYAKOSHI, Takao KAGAWA, Haruko SEKIGUCHI, Tomotaka IWATA
- 1867 STRONG GROUND MOTIONS OF THE 1997 NORTHWESTERN KAGO-SHIMA PREFECTURE EARTHQUAKE AND SEISMIC HAZARD OF THE REGION
Kazuo MATSUMURA
- 1874 METHODOLOGICAL STUDY ON SEISMIC RISK ASSESSMENT
Pierre-Yves Bard, Jean-Pierre Méneroud, Anne-Marie Duval
- 1877 EARTHQUAKE DAMAGE OF BUILDING STRUCTURES AND SITE EFFECTS
Makoto MORO
- 1881 CHARACTERISTIC OF SEISMIC GROUND MOTION AND BUILDING DAMAGE DURING THE 1997 NORTHWEST KAGOSHIMA EARTHQUAKE
M MIYAZAKI, T AKIYOSHI, S SHIRINASHIHAMA, S UMEDA
- 1895 EFFECTS OF EARTHQUAKE SOURCE PARAMETERS ON ESTIMATED GROUND MOTIONS
Yoshihiro NAKAO, Shojiro KATAOKA, Keiichi TAMURA
- 1902 SEISMIC LOSS ESTIMATION MODEL FOR MEXICO CITY
Luis Eduardo Pérez-Rocha, Eduardo Reinoso, Mario Ordaz, Eduardo Miranda
- 1905 SEISMIC HAZARD MAP USING CONTRIBUTION FACTORS OF SEISMIC SOURCES
H Kameda, Y Ishikawa, N NAKAJIMA, T Okumura
- 1907 THEORETICAL FORMULATION OF STRONG MOTION ATTENUATION BASED ON SEISMIC SOURCE MODELS
Simon Ólafsson, Ragnar Sigbjörnsson
- 1931 STRONG MOTION OBSERVATION IN METRO MANILA, PHILIPPINES
KATSUMI KURITA, ESMERALDA BANGANNAN, RAYMUNDO PUNONGBAYAN, HIROAKI YAMANAKA, TATSUO OHMACHI, KAZUOH SEO, YOSHIHIRO KINUGASA, SABUROH MIDORIKAWA, TAKUMI TOSHINAWA, ISHMAEL NARAG, NORIO ABEKI, JANILA BAUL-DEOCAMPO, KAZUO FUJIMOTO, DELFIN GARCIA
- 1933 THE MODELLING OF INTRAPLATE SEISMIC HAZARD BASED ON DISPLACEMENT
Graham HUTCHINSON, Nelson LAM, John WILSON
- 1934 NONLINEARITY IN OBSERVED AND COMPUTED ACCELEROGRAMS
Luis Fabián BONILLA, Ralph ARCHULETA, Daniel LAVALLÉE
- 1943 EARTHQUAKE HAZARD POTENTIAL IN OMAN
Mohammed QAMARUDDIN, Ali AL-HARTHY

INDEX BY TOPIC

04 ENGINEERING SEISMOLOGY

- 1948 APPLICATIONS OF PROBABILITY THEORY IN THE EARTHQUAKE RISK ASSESSMENT AND ITS CONSEQUENT POSSIBLE REDUCTION
Syed DEBAJ, Muhammad KHAN, Syed RIZWAN
- 1959 SITE AMPLIFICATION IN HACHINOHE OBSERVATION SITE, AOMORI, JAPAN: A COMPARISON OF S-WAVES, CODA AND MICROTREMORS SPECTRAL RATIO
Naomi SAKAJIRI
- 1964 ATTENUATION RELATIONSHIP FOR ESTIMATION OF PEAK GROUND VERTICAL ACCELERATION USING DATA FROM STRONG MOTION ARRAYS IN INDIA
Mukat Sharma
- 1971 ESTIMATION OF EARTHQUAKE ENGINEERING BASEMENT AND SEISMIC RESPONSE ON NAGOYA CITY IN THE NOBI PLAIN, JAPAN
T OHNISHI, N TANI, S LING, Y SAWADA, H NAGUMO
- 1987 CHARACTERISTICS OF LONG-PERIOD STRONG GROUND MOTIONS DUE TO EARTHQUAKES IN THE EASTERN MARGIN OF THE JAPAN SEA
Shinsaku ZAMA
- 2013 ACCOUNTING FOR SITE EFFECTS IN PROBABILISTIC SEISMIC HAZARD ANALYSIS: OVERVIEW OF THE SCEC PHASE III REPORT
Edward FIELD, SCEC Phase III Working Group
- 2018 SYNTHESIS OF SEISMIC MOTIONS IN VIEW OF SOURCE TO SITE :THE KOBE CASE
Hirokazu TAKEMIYA, Gen MIYAGAWA, Yuji KAGAWA
- 2030 SEISMIC RESPONSE ANALYSIS OF A GRAVITY DAM WITH JOINT TIME-FREQUENCY NON-STATIONARITY MODEL
Jiong Guan, Jing Zhou
- 2042 INTRODUCTION OF SEISMIC ZONING MAP OF CHINA (1999)
Mengtan GAO
- 2046 TIME DEPENDENT GROUND MOTION AMPLIFICATION AT RECLAIMED LAND AFTER THE 1995 HYOGO-KEN-NANBU EARTHQUAKE
Yoshinori FURUMOTO, Koichiro YAMADA, Atsushi YASHIMA, Masata SUGITO, Fusao OKA
- 2062 PROBABILITY-BASED DESIGN EARTHQUAKE LOAD CONSIDERING ACTIVE FAULT
Ichiro SATOH, Jun KANDA
- 2094 STUDY ON THE STABILITY OF H/V SPECTRAL RATIO OF MICROTREMOR IN SHORT PERIOD RANGE FOR THE ESTIMATION OF DYNAMIC CHARACTERISTICS OF SURFACE GEOLOGY
Daisuke WATANABE, Yasumasa NAKAJIMA, Norio ABEKI
- 2103 AN EVALUATION OF SURFACE SOIL AMPLIFICATION PROPERTIES FROM THE ANALYSIS OF RECORDED MOTIONS
Yoshikazu KITAGAWA, Izuru OKAWA, Toshihide KASHIMA, Shin KOYAMA
- 2106 GROUND RESPONSE OF KATHMANDU VALLEY ON THE BASIS OF MICROTREMORS
MADHAB PANDEY
- 2111 STRONG MOTION PREDICTION ON ROCK SURFACE BY SUPERPOSED EVOLUTIONARY SPECTRA
Yoshinori FURUMOTO, Takeshi SUGIYAMA, Masata SUGITO
- 2118 MEASUREMENT OF NATURAL FREQUENCIES AND DAMPING OF SPELEOTHEMS
Agnès LEVRET, Corinne LACAVE, Martin KOLLER
- 2145 SEISMIC HAZARD IN BANGKOK DUE TO LONG-DISTANCE EARTHQUAKES
Pennung WARNITCHAI, Chanet SANGARAYAKUL, Scott ASHFORD
- 2175 A REVIEW OF SITE SEISMIC RESPONSE USING VERTICAL ARRAYS
Mourad ZEGHAL, Ahmed ELGAMAL
- 2185 AN EXAMPLE FOR STRONG GROUND MOTION MODELLING IN CONNECTION WITH VRANCEA EARTHQUAKES (CASE STUDY IN NE BULGARIA, RUSSE SITE)
Giuliano Panza, Mihaela KOUTEVA, Ivanka Paskaleva
- 2195 AVERAGE AMPLIFICATION FACTOR OF SH WAVES IN IRREGULARLY LAYERED MEDIA
Hidenori MOGI, Hideji KAWAKAMI
- 2199 CHARACTERISTICS OF STRONG EARTHQUAKE MOTIONS OBSERVED AT HACHINOHE CITY HALL
Toshihide Kashima, Izuru Okawa, Shin Koyama
- 2200 CHARACTERIZING EARTHQUAKE SLIP MODELS FOR THE PREDICTION OF STRONG GROUND MOTION
K IRIKURA, Y TATSUMI, T KAGAWA, N ABRAHAMSON, P SOMERVILLE, S SAWADA
- 2202 COMPARISON OF SHEAR-WAVE VELOCITY PROFILES FROM SASW AND DOWNHOLE SEISMIC TESTS AT A STRONG-MOTION SITE
Leo BROWN, David BOORE, Kenneth STOKOE, II

INDEX BY TOPIC

04 ENGINEERING SEISMOLOGY

- 2229 EFFECTIVE APPLICATION OF GEOGRAPHIC INFORMATION SYSTEM IN THE FIELD OF EARTHQUAKE ENGINEERING AND DISASTER PREVENTION
E ISHIDA, J TOBITA, N FUKUWA, H TAKAI
- 2231 EFFECTS OF HIDDEN VALLEY ON GROUND RESPONSE AND DAMAGE DISTRIBUTION IN THE 1993 KUSHIRO-OKI EARTHQUAKE
Kohji TOKIMATSU, Toru SEKIGUCHI, Akio ABE
- 2232 EFFECTS OF RAYLEIGH AND LOVE WAVES ON MICROTREMOR H/V SPECTRA
Hiroshi ARAI, Kohji TOKIMATSU
- 2239 ESTIMATION OF SHALLOW S-WAVE VELOCITY STRUCTURES FROM PHASE VELOCITIES OF LOVE- AND RAYLEIGH- WAVES IN MICROTREMORS
Hidekazu YAMAMOTO
- 2254 EMPIRICAL DETERMINATION OF THE GROUND SHAKING DURATION DUE TO AN EARTHQUAKE USING STRONG MOTION ACCELEROGRAMS FOR ENGINEERING APPLICATIONS.
Fabrice COTTON, Bruno HERNANDEZ
- 2265 INDIRECT BOUNDARY ELEMENT METHOD- A TOOL TO CALCULATE SEISMIC RESPONSE OF IRREGULARLY LAYERED SEDIMENT
Toshiaki YOKOI
- 2275 MODELING OF HIGH-FREQUENCY WAVE RADIATION PROCESS ON THE FAULT PLANE FROM THE ENVELOPE FITTING OF ACCELERATION RECORDS
Yasumaro KAKEHI
- 2303 RADIATION AND DISPERSION OF SURFACE WAVES IN MEXICO FROM THE 1995 EARTHQUAKE (MW = 7.3)
Alonso GOMEZ-BERNAL, Rodolfo SARAGONI
- 2321 SEISMIC HAZARD ANALYSIS BASED ON THE GEOLOGICAL, GEODETIC AND ARCHEOLOGICAL STUDY
Shigeru SUZUKI
- 2328 SEISMIC RISK ESTIMATION CONSIDERING THE UNCERTAINTY OF FAULT PARAMETERS FOR NEAR FIELD EARTHQUAKES
Shigeyuki OKADA, Makoto TOMATSU
- 2332 SEPARATION OF SOURCE AND SITE EFFECTS USING WAVELET TRANSFORM COEFFICIENTS
Yoshiki TATSUMI, Kojiro IRIKURA, Minoru FUSHIMI, Masaru TAI
- 2337 SOURCE CHARACTERIZATION FOR AN INLAND LARGE EARTHQUAKE AND NEAR-SOURCE STRONG GROUND MOTION SIMULATION
Kojiro IRIKURA, Katsuhiko KAMAE
- 2338 RUPTURE MODEL OF THE TAURAMENA EARTHQUAKE (COLOMBIA JAN. 19/95)
N Pulido, K Irikura
- 2346 THE ENERGY CONTENT OF THE STRONG GROUND MOTIONS IN IRAN
Mehdi ZARE
- 2361 ASSESSMENT OF DESIGN BASIS EARTHQUAKE GROUND MOTIONS FOR NEAR-FAULT CONDITIONS
Eser DURUKAL, Mustafa ERDIK
- 2362 A NEW PROBABILISTIC SEISMIC HAZARD MODEL FOR NEW ZEALAND
Mark STIRLING
- 2419 DEVELOPMENT OF METHODOLOGY FOR EVALUATING GROUND MOTION PARAMETERS AND INFORMATION SYSTEM UNDER SEISMIC EMERGENCY
I ABE, T KUNO, K TSUZUKI, S HORI, M OOI, K V, K EBISAWA
- 2436 STOCHASTIC IDENTIFICATION OF EARTHQUAKE WAVE ENTITIES
Raimar SCHERER, Joerg BRETSCHNEIDER
- 2458 SIMULATION OF STRONG MOTIONS USING PARAMETERS BASED ON RECORDED ACCELEROGRAMS
Sanshiro SUZUKI, Koichiro ASANO
- 2473 LOCAL SITE AMPLIFICATION OF PEAK HORIZONTAL GROUND VELOCITY BASED ON MICROTREMORS
Y Ogawa, J Ejiri, D Maejima, K Shimizu
- 2502 APPLICATION OF THE LARGE AREA SEISMIC MICROZONING RESULTS TO THE RECONSTRUCTION PLANNING AND CODES IN THE MARCHE REGION.
MARIO SMARGIASSO, LUIGI DIOTALLEVI, PIERO FARABOLLINI
- 2575 SITE EFFECTS IN EUROSEISTEST: A COMPARISON BETWEEN OBSERVATIONS AND MODELING
Dimitris Raptakis, Konstantia Makra, Kyriazis Pitilakis, Francisco Chávez-García
- 2600 COORDINATION OF STRONG MOTION PROGRAMS AND STRONG MOTION DATA DISSEMINATION
Carl STEPP
- 2656 CLEAR IDENTIFICATION OF FUNDAMENTAL IDEA OF NAKAMURA'S TECHNIQUE AND ITS APPLICATIONS
Yutaka NAKAMURA

INDEX BY TOPIC

04 ENGINEERING SEISMOLOGY

- 2658 ESTIMATION OF DEEP UNDERGROUND VELOCITY STRUCTURES BY INVERSION OF SPECTRAL RATIO OF HORIZONTAL TO VERTICAL COMPONENT IN P-WAVE PART OF EARTHQUAKE GROUND MOTION
Hiroyoshi KOBAYASHI, Mitsugu MASHIMO, Kikuji KOBAYASHI, Tomiichi UETAKE
- 2662 EARTHQUAKE HAZARD MITIGATION IN CENTRAL AMERICA BY STUDIES OF SEISMIC SOURCE AND GROUND ACCELERATION
Ronald Arvidsson, Jaime Boutet
- 2671 OBSERVED SPECTRAL CHARACTERISTICS OF VERTICAL GROUND MOTION RECORDED DURING WORLDWIDE EARTHQUAKES FROM 1957 TO 1995
Yousef BOZORGNIA, Kenneth CAMPBELL, Mansour NIAZI
- 2681 ENGINEERING INSIGHTS FROM DATA RECORDED ON VERTICAL ARRAYS
Ralph ARCHULETA, Jamison STEIDL, Luis Fabián BONILLA
- 2684 SIMULTANEOUS SIMULATION FOR KOBE: WHAT WE HAVE LEARNED AT ESG98
Hiroshi KAWASEA, Tomotaka IWATA
- 2685 RECENT ADVANCES IN FINITE DIFFERENCE METHODOLOGIES FOR THE SIMULATION OF STRONG GROUND MOTIONS
Robert Graves
- 2687 PREDICTION OF STRONG MOTIONS FROM FUTURE EARTHQUAKES CAUSED BY ACTIVE FAULTS – CASE OF THE OSAKA BASIN
Kojiro Irikura
- 2688 REDUCING UNCERTAINTY IN STRONG MOTION PREDICTIONS
PAUL SOMERVILLE
- 2689 ONE- VS TWO- OR THREE-DIMENSIONAL EFFECTS IN SEDIMENTARY VALLEYS
Jacobo Bielak, Omar Ghattas, Jifeng Xu, Yoshiaki Hisada, Hesheng Bao
- 2691 STANDARD BASIN STRUCTURE MODEL CONSTRUCTION AND STRONG GROUND MOTION SIMULATION
Tomotaka IWATA, Haruko SEKIGUCHI, Hiroshi KAWASE, Shin'ichi MATSUSHIMA, Arben PITARKA, Kojiro IRIKURA
- 2692 A STANDARD THREE-DIMENSIONAL SEISMIC VELOCITY MODEL FOR SOUTHERN CALIFORNIA
Harold MAGISTRALE, Steven DAY
- 2693 STRONG GROUND MOTION PREDICTION AT MEXICO CITY
Luis Pérez-Rocha, Francisco Sánchez-Sesma, Mario Ordaz, Shri Singh, Eduardo Reinoso
- 2694 MODELING SITE EFFECTS IN THE LOWER HUTT VALLEY, NEW ZEALAND
Brian Adams, John Berrill, Rob Davis, John Taber
- 2710 MICROZONATION OF THE CITY OF MEDELLÍN
Josef Farbiarz, Juan Jaramillo, Manuel Villarraga,
- 2741 PROBLEM OF THE BUILDING AND THE BASE INTERACTION UNDER SEISMIC LOADS
V MUSAYEV
- 2786 A SPECTRAL ATTENUATION MODEL FOR JAPAN USING DIGITAL STRONG MOTION RECORDS OF JMA87 TYPE
Shuji KOBAYASHI, Paul SOMERVILLE, John ZHAO, Yoshimitsu FUKUSHIMA, Masafumi MORI, Tetsuichi TAKAHASHI, Shin'ichi MATSUZAKI
- 2810 SEISMIC RISK EVALUATION IN BARCELONA, SPAIN
J CASELLES, U MENA, L PUJADES, J CANAS, A ALFARO, F ESPINOZA
- 2812 TRIGGERING OF EARTHQUAKE BY EARTHQUAKE - A PLAUSIBLE MODEL
Daya SHANKER
- 2837 ON THE CHARACTERISTICS OF SOFT SOIL INELASTIC DESIGN RESPONSE SPECTRAS FOR THE CITY OF GUAYAQUIL, ECUADOR
Lara Otton, Marcelo Moncayo
- 2838 THE MARCH 29, 1999 EARTHQUAKE AT CHAMOLI, INDIA
Josodhir DAS, Jayprakash Narayan, Durgesh RAI, Manish SHRIKHANDE
- 2855 SEISMIC HAZARD IN NORTHERN CENTRAL AMERICA
Diego Cáceres, Ronald Arvidsson

05 GEOTECHNICAL ENGINEERING

- 0028 FORCED VIBRATION TESTS ON PILE FOUNDATIONS
Y LEE, S YANG, H LIN, J BIAN, M WANG, C YEH, C HUANG, C CHEN
- 0033 DYNAMIC FE ANALYSIS FOR STABILITY OF EMBANKMENT ON SILTY CLAY DURING EARTHQUAKES
O MATSUO, K YASUHARA, S MURAKAMI
- 0095 EFFECTS OF VALLEY SHAPE ON SEISMIC RESPONSES OF FILL DAMS
Tagashira HIDEKAZU, Asano ISAMU, Yasunaka MASAMI, Masukawa SUSUMU

INDEX BY TOPIC

05 GEOTECHNICAL ENGINEERING

- 0128 INVESTIGATION OF LIQUEFIED SITE OF CHIGU, TAINAN, TAIWAN
Ni Sheng-Huoo, Cheng Shih-Nan
- 0170 ASEISMIC EFFECT OF GEOTECHNICAL IMPROVEMENT FOR TYPICAL QUAY WALLS
K FUCHIDA, T HYODO, T AKIYOSHI, H MATSUMOTO
- 0180 AN ANALYTICAL METHOD FOR VERTICAL BEHAVIOR OF SLIP LAYER PILE DURING AN EARTHQUAKE
Ting XU, Koji TOMINAGA, Haruyuki YAMAMOTO
- 0201 RELIQUEFACTION POTENTIAL OF CEMENT-TREATED SANDY SOILS
Akira MATSUO, Tomoya YAMAUCHI, Akihiko DATE, Motoyuki SUZUKI, Tetsuro YAMAMOTO
- 0241 EFFICIENCY OF MICROPILE FOR SEISMIC RETROFIT OF FOUNDATION SYSTEM
OTANI YOSHINORI, YAMANE TAKASHI, NAKATA YOSHINORI
- 0265 DISTURBED STATE MODELING OF SATURATED SAND UNDER DYNAMIC LOADS
Jae-Soon CHOI, Soo-Il KIM, Inn-Joon PARK
- 0266 IDENTIFICATION OF SOIL LIQUEFACTION USING DOWNHOLE ARRAY RECORDS
Jun YANG, Tadanobu SATO
- 0274 3-D DYNAMIC ANALYSIS OF TAIYUAN FLY ASH DAM
Jian ZHOU, Peijiang QI, Yong CHI
- 0276 SEISMIC ANALYSIS OF TUNNEL SURROUNDED BY SOFT SOIL IN SHANGHAI
Xiaoyan HU, Zhanfei HU, Jian ZHOU
- 0278 LIQUEFACTION AND PARTICLE CRUSHING OF SOIL
Shogo INOUE, Adrian HYDE, Noritaka ARAMAKI, Masayuki HYODO, Yukio NAKATA
- 0286 THE SOIL STRUCTURE INTERACTION ANALYSIS BASED ON SUBSTRUCTURE METHOD IN TIME DOMAIN
Muzaffe ELMAS, Mustafa KUTANIS
- 0290 THREE-DIMENSIONAL STRUCTURE - SOIL - STRUCTURE INTERACTION UNDER SEISMIC EXCITATION WITH PARTIAL UPLIFT
C BODE, S SAVIDIS, R HIRSCHAUER
- 0298 EXAMPLE OF IDENTIFICATION OF THE IN SITU SOIL BEHAVIOUR UNDER MAJOR EARTHQUAKES BY A PROPAGATION S.H.S. TEST
Mokhtar MABSSOUT, Marie-Angèle ABELLAN, Jean-Pierre TOURET, Paul JOUANNA
- 0312 CRITERIA FOR LIQUEFACTION OF SILTY SOILS
Geoffrey Martin, Desmond Andrews
- 0329 EDUS PROJECT (EARTHQUAKE DAMAGE TO UNDERGROUND STRUCTURES)
Akio ABE, Chikahiro MINOWA, Takaaki KAGAWA
- 0353 DYNAMIC CHARACTERISTICS OF PILE GROUPS UNDER VERTICAL VIBRATIONS
A BOOMINATHAN, T LAKSHMI
- 0366 ENERGY DISSIPATION IN SOIL-STRUCTURE INTERACTION
C Crouse
- 0385 SOIL-STRUCTURE INTERACTION IN MEXICO CITY. WAVE FIELD RADIATED AWAY FROM JALAPA BUILDING: DATA AND MODELLING
Francisco CHAVEZ-GARCIA, Pierre-Yves BARD, Philippe GUEGUEN, Martín CARDENAS
- 0386 EVALUATION OF LIQUEFACTION RESISTANCE AND LIQUEFACTION INDUCED SETTLEMENT FOR RECLAIMED SOIL
Chih-Hsin CHANG, Yan-Nam OH, Lien-Kwei CHIEN
- 0422 SEISMIC RESPONSE ANALYSIS OF PILE FOUNDATIONS AT LIQUEFIABLE SITES
W FINN, T THAVARAJ, D WILSON, R BOULANGER, B KUTTER
- 0476 CENTRIFUGE DYNAMIC MODELING TEST AND TWO-DIMENSIONAL LIQUEFACTION ANALYSIS FOR HUGE RIVER DIKE
Hiroshi MORI, Yoshimi OGAWA, Kaoru KUSANO, Jun OKAMOTO, Hiroshi ABE
- 0487 SEISMIC STABILITY ASSESSMENT OF THE MOA NICKEL TAILINGS FACILITY
Tom KERR, Graham GREENAWAY, Matthew PARFITT
- 0490 INPUT MOTION OF A RIGID EXTENDED FOUNDATION DUE TO SPATIALLY VARIABLE SEISMIC GROUND MOTION
Hiroto UEBAYASHI, Yoshihiro TAKEUCHI
- 0494 NONLINEAR DYNAMIC ANALYSIS OF PILE FOUNDATION: EFFECT OF SEPARATION AT SOIL-PILE INTERFACE
Bal Krishna MAHESHWARI, Hiroyuki WATANABE
- 0517 GROUND SEISMIC BEHAVIOR FROM LIQUEFACTION ARRAY OBSERVATION
Takaaki IKEDA, Shigeru MIWA, Takuya EGAWA, Jun'ichi NISHIKAWA, Hirochika HAYASHI
- 0530 SHEAR MODULUS OF SOILS UNDER CYCLIC LOADING AT SMALL AND MEDIUM STRAIN LEVEL
A. Gomes Correia, J.A. SANTOS

INDEX BY TOPIC

05 GEOTECHNICAL ENGINEERING

- 0535 STUDY ON SHEET PILE WALL METHOD AS A REMEDIATION AGAINST LIQUEFACTION
Masanobu OKAMOTO, Hiroshi KITA, Hiroyoshi MURATA, Hiroyuki TANAKA
- 0548 STUDY ON DYNAMIC RESPONSE OF RECLAIMED AND SOFT GROUND OF MAN-MADE ISLAND IN KOBE HARBOR DURING 1995 HYOGOKEN NANBU EARTHQUAKE AND LIQUEFACTION CONTROL
Tadahiro FUKUSUMI, Masao KOBA
- 0555 ENGINEERING SEISMOLOGY:SEISMIC HAZARD AND RISK ANALYSIS:SEISMIC HAZARD ANALYSIS FROM SOIL-STRUCTURE INTERACTION TO SITE-CITY INTERACTION
P Guéguen, P Bard, J Semblat
- 0561 LIQUEFACTION OF SILT-CLAY MIXTURES
Shamsher Prakash, Tianqiang Guo
- 0562 SEISMIC DISPLACEMENTS OF RIGID RETAINING WALLS ON SUBMERGENCE
Yingwei Wu, Shamsher Prakash
- 0568 TWO-AND THREE-DIMENSIONAL TRANSIENT RESPONSES OF HALF-SPACE UNDER DYNAMIC STRIP LOADS AND TRAIN TRACK LOADS
Maher ADAM, Gero PFLANZ, Günther SCHMID
- 0589 IDEALIZING REINFORCED EARTH EMBANKMENTS IN DYNAMIC ANALYSIS
B LAVANIA, Mehdi SIAVOSHNI, V JOSHI
- 0621 NUMERICAL ANALYSES OF THE DAMAGED DIKES IN THE 1995 HYOGO-KEN NANBU EARTHQUAKE
Ryosuke UZUOKA, Osamu MATSUO, Masaya MIHARA, Mitsu OKAMURA
- 0650 A PRACTICAL METHOD TO ESTIMATE DYNAMIC SOIL IMPEDANCE FOR SEISMIC ANALYSIS OF NUCLEAR POWER STRUCTURES DEEPLY EMBEDDED IN HALFSPACE SOIL
Naohiro NAKAMURA, Noriyoshi NAKAMURA, Kazuyoshi KOBAYASHI, Yukio OHMIYA
- 0665 COMPARATIVE STUDY ON INTERACTIVE RESPONSE ANALYSES BETWEEN SOIL AND PILE FOUNDATION UNDER LIQUEFACTION
Katsuo Togashi, Satoshi Goto, Yasunobu Tsukahara, Satoru Nakafusa, Shunji Kanie, Shunichi Suzuki
- 0678 NON-LINEAR ANALYSES OF DYNAMIC BEHAVIOR OF EMBANKMENT STRUCTURES CONSIDERING TENSILE FAILURE
Kenzo TOKI, Sumio SAWADA, Hisakazu SAKAI
- 0709 LIQUEFACTION PHENOMENON IN THE EARTHQUAKES OF TURKEY, INCLUDING RECENT ERZINCAN, DINAR AND ADANA-CEYHAN EARTHQUAKES
Resat ULUSAY, Halil KUMSAR, Ömer AYDAN
- 0735 EARTHQUAKE RESPONSE ANALYSES OF AN EMBEDDED STRUCTURE UTILIZING AN AVERAGED HORIZONTAL SOIL STIFFNESS
Yoshio IKEDA, Yukio SHIMOMURA
- 0765 SEISMIC ANALYSIS OF LOS REYUNOS DAM USING GENERALIZED PLASTICITY MODEL
Luciano Oldecop, Francisco Zabala
- 0768 SEISMIC ANALYSIS OF BURIED ARCH STRUCTURES
Doug JENKINS, John WOOD
- 0799 EXPERIMENTAL STUDY ON PILE STRESS IN LIQUEFIED AND Laterally SPREADING SOILS
Tsunehisa TSUGAWA, Naohito ADACHI, Yasutugu SUZUKI
- 0811 DAMAGE TO A PILE FOUNDATION DUE TO LIQUEFIED GROUND MOTION
Shin'ichiro MORI, Atsunori NUMATA, Baoqi GUAN
- 0824 EXPERIMENTAL STUDY OF SEISMIC BEHAVIOR OF BOX TYPE TUNNEL CONSTRUCTED BY OPEN CUTTING METHOD
Akihiko NISHIMURA, Itsuo KAWAMA, Seiji NISHIYAMA, Kosuke MUROYA, Hiroshi HAYA
- 0831 LIQUEFACTION POTENTIAL USING S-WAVE CROSSHOLE TOMOGRAPHY
Ichiro FURUTA, Akio YAMAMOTO, Hideaki SHINOHARA
- 0842 FINITE ELEMENT ANALYSIS OF REINFORCED SOIL RETAINING WALLS SUBJECTED TO SEISMIC LOADING
Adel Belal, K. George
- 0873 EARTHQUAKE MOTION INTENSITY FROM LIQUEFACTION VIEWPOINT
Motoki KAZAMA, Eiji YANAGISAWA
- 0875 A STUDY OF DYNAMIC INTERACTION OF SOIL AND PILE WITH NON-UNIFORM SECTION
Takahiro NIIYA, Yukio SHIMOMURA, Yoshio IKEDA, Kaiji OHSHIMA, Shinji ISHIMARU
- 0895 EXPERIMENTAL AND ANALYTICAL STUDY ON THE EFFECT OF INPUT MOTION ON THE BEHAVIOR OF A CAISSON QUAYWALL
Takahiro SUGANO, Masafumi MIYATA
- 0898 PROBABILISTIC ASSESSMENT OF LIQUEFACTION INITIATION HAZARD
Raymond SEED, Armen DER KIUREGHIAN, K. Onder CETIN

INDEX BY TOPIC

05 GEOTECHNICAL ENGINEERING

- 0902 EFFECT OF LATERAL STIFFNESS OF SUPERSTRUCTURE ON BENDING MOMENTS OF PILE FOUNDATION DUE TO LIQUEFACTION-INDUCED LATERAL SPREADING
RICARDO Dobry, TAREK Abdoun, RAMOS Ricardo
- 0903 DYNAMIC RESPONSE AND FAILURE MECHANISMS OF A PILE FOUNDATION DURING SOIL LIQUEFACTION BY SHAKING TABLE TEST WITH A LARGE-SCALE LAMINAR SHEAR BOX
SHUNJI FUJII, TAKAAKI KAGAWA, TOMIO TSUCHIYA, SHUJI TAMURA, YASUTSUGU SUZUKI
- 0914 NUMERICAL MODELING OF SEISMIC SOIL-PILE-SUPERSTRUCTURE INTERACTION
Juan Pestana, Thomas Lok, Raymond Seed
- 0915 LARGE SCALE SHAKING TABLE TESTS OF SEISMIC SOIL-PILE INTERACTION IN SOFT CLAY
Philip Meymand, Raymond Seed, Michael Riemer
- 0916 AN ENHANCED HYSTERETIC MODEL FOR SITE RESPONSE ANALYSIS
Thomas LOK, Juan Pestana
- 0927 NUMERICAL SIMULATION OF PILE FAILURE IN LIQUEFIED SOIL OBSERVED IN LARGE-SCALE SHAKING TABLE TEST
Hideki FUNAHARA, Shuji TAMURA, Shunji FUJII
- 0946 EMERGENCE OF WATER FILM IN LIQUEFIED SAND AND ITS ROLE IN LATERAL FLOW
Tetsuro KOJIMA, Nozomi NONAKA, Takeji KOKUSHO
- 0947 SEISMIC SAFETY EVALUATION OF AN EXISTING TANK SUPPORTED BY PILES IN LIQUEFIABLE GROUND
Yoshiro MORIOKA, Yoshio SUNASAKA, Yuji MIYAMOTO, Kazuo KOYAMA
- 0949 GEOGRID REINFORCED SUBGRADES UNDER SIMULATED EARTHQUAKE LOADING
Arvind Verma, A Santha Kumar, Appa Rao T.V.S.R
- 1035 DILATION OF GRANULAR PILES IN MITIGATING LIQUEFACTION OF SAND DEPOSITS
Madhira Madhav , Jaswant Arlekar
- 1038 AN EXPERIMENTAL STUDY ON THE PIER DAMAGED BY 1995 HYGOKEN-NANBU EARTHQUAKE
Masaaki MITO , Ken OIKAWA , Takahiro SUGANO , Tomohiro NAKAHARA
- 1042 STUDY ON SEISMIC CALCULATION METHOD FOR SHIELD TUNNELS UNDER STRONG GROUND MOTION
Shiro TAKADA, Tengyan LI
- 1043 INVESTIGATION AND SHAKING TABLE TESTS OF SUBWAY STRUCTURES OF THE HYGOKEN-NANBU EARTHQUAKE
Y KOBAYASHI, T IWATATE, K RIN, H KUSU
- 1074 THE ROLE OF SOIL ON THE COLLAPSE OF 18 PIERS OF THE HANSHIN EXPRESSWAY IN THE KOBE EARTHQUAKE
George Mylonakis, George Gazetas, Sissy Nikolaou, Odysseus Michaelides
- 1085 GEOTECHNICAL CONSIDERATIONS IN PERFORMANCE BASED EARTHQUAKE-RESISTANT DESIGN
Carl Kim, Marshall Lew
- 1097 EFFECTS OF EARTHQUAKE-INDUCED SETTLEMENT OF CLAY LAYER ON THE GROUND SUBSIDENCE
Keiji SAKURADANI, Hiroshi MATSUDA , Naoya EMOTO
- 1106 LIQUEFACTION AND SETTLEMENT OF AN IMPROVED GRAVELLY FILL OF WEATHERED GRANITE DURING STRONG EARTHQUAKE
Y Goto, K Ito
- 1113 INFLUENCE OF DAM-FOUNDATION INTERACTION IN SEISMIC SAFETY EVALUATION OF TWO ARCH DAMS
Frank JACKMAUH, Rich MUNOZ, Larry NUSS, Anil CHOPRA
- 1116 GEOTECHNICAL ENGINEERING ANALYSIS AND DESIGN FOR PILE RESPONSE TO LIQUEFACTION-INDUCED GROUND DEFORMATION
Siang Goh, Thomas O'Rourke
- 1133 EFFECTS OF OVERCONSOLIDATION ON LIQUEFACTION STRENGTH OF SANDY SOIL SAMPLES
A HIRO-OKA, M OHTA, H NAGASE, S MOCHINAGA, K SHIMIZU
- 1135 INVESTIGATION OF LIQUEFACTION AT RECLAIMED LAND IN JAPAN DURING THE 1995 HYGOKEN-NANBU EARTHQUAKE
Atsunori NUMATA , Baoqi GUAN, Shin'ichiro MORI
- 1138 STUDY ON FREQUENCY CHARACTERISTICS OF NON-LINEARITY OF STRESS AND STRAIN RELATIONSHIP IN SOIL DEPOSIT
Susumu NAKAMURA
- 1164 SEISMIC SAFETY ANALYSIS OF A HIGH ROCK-FILL DAM SUBJECTED TO SEVERE EARTHQUAKE MOTION
Dilip Paul
- 1170 LIQUEFACTION OF EMBANKMENTS ON SANDY SOILS AND THE OPTIMUM COUNTERMEASURE AGAINST THE LIQUEFACTION
Young-Ho PARK, Sung-Ryul KIM, Sung-Hwan KIM, Myoung-Mo KIM

INDEX BY TOPIC

05 GEOTECHNICAL ENGINEERING

- 1175 STRUCTURAL POUNDING OF ADJACENT MULTI-STOREY STRUCTURES CONSIDERING SOIL FLEXIBILITY EFFECTS
Athol CARR, Peter MOSS, Amar RAHMAN
- 1190 TIME EFFECT ON LIQUEFACTION POTENTIAL OF SILT CONTAINING VARIOUS AMOUNTS OF CLAY PARTICLES
Qiyang NIU
- 1191 LARGE SCALE SOIL-STRUCTURE INTERACTION EXPERIMENTS ON SAND UNDER CYCLIC LOADING
Ezio Faccioli, Stefania Pedretti, Roberto Paolucci, Paolo Negro
- 1193 SHAKING TABLE TESTS AND EFFECTIVE STRESS ANALYSES ON THE DYNAMIC BEHAVIOR OF WEDGED CAISSONS
Shin'ichi IDO, Takahiro SUGANO, Masanori SHIMA, Kou NISHINAKAGAWA, Masaaki MITO, Katsumi KISHITANI, Koji SEKIGUCHI
- 1203 A SIMPLE METHOD FOR THE SEISMIC ANALYSIS OF PILES AND ITS COMPARISON WITH THE RESULTS OF CENTRIFUGE TESTS
H.G. POULOS, A. TABESH
- 1220 IDENTIFICATION OF MEXICO CITY CLAY DYNAMIC PROPERTIES
Victor Taboada-Urtuzuastegui, Hernán Martinez, Miguel Romo, Carlos Ardila
- 1224 APPLICATION OF BACK-ANALYSIS FOR STRUCTURAL FOUNDATION IN SOFT SOIL IN SEISMICALLY PRONE AREA
Kosta Talaganov, Vlatko Sesov
- 1231 SEISMIC DESIGN OF BRIDGE FOUNDATION AGAINST LIQUEFACTION-INDUCED GROUND FLOW
Tadashi HAMADA, Keiichi TAMURA, Takuo AZUMA
- 1237 ANALYSIS OF THREE DIMENSIONAL EARTHQUAKE RESPONSE OF SOIL-STRUCTURE SYSTEM BY RESPONSE MODE ANALYSIS METHOD
Mitsugu TAKITA, Jun TOBITA, Mako MORO, Keiichi ITO
- 1258 AN APPROACH FOR MONITORING LATERAL SPREADING DUE TO LIQUEFACTION USING STRONG GROUND MOTION RECORDS
Shiro TAKADA, Ryuzo OZAKI
- 1259 BEARING CAPACITY DURING EARTHQUAKE OF THE SPREAD FOOTING REINFORCED WITH MICROPILES
Y Tsukada, G You, Y Ohtani, N Nishimura, Y Tsubokawa, K Miura, M Ishito
- 1285 PORE WATER PRESSURE CHANGES IN SANDS UNDER EARTHQUAKE LOADING
T UENG, M WU, R YU, C LIN
- 1300 LIQUEFACTION ANALYSIS OF SEAWALL STRUCTURES UNDER BOTH DRAINED AND UNDRAINED CONDITIONS
Katsumi OZEKI, Jun WANG, Masayuki SATO, Nozomu YOSHIDA, Hiroki KUROSE
- 1310 LIQUEFACTION POTENTIAL STUDY OF TAIWAN
Ming-Hong CHEN, Chin-Hsiung LOH, Ming-Huei WANG
- 1319 THE EFFECT OF DENSITY ON SEISMIC SUBSIDENCE OF LOESS
Zhongxia YUAN, Jun-Li-Lan WANG, Lanmin WANG
- 1324 SOME OBSERVATIONS RELATED TO LIQUEFACTION SUSCEPTIBILITY OF SILTY SOILS
Upul Atukorala, Dharma Wijewickreme, Norman McCammon
- 1325 A STUDY ON SEISMIC BEHAVIOR OF LIQUEFIED GROUND USING STRONG MOTION ARRAY RECORDS OF THE 1995 HYOGOKEN-NANBU EARTHQUAKE
Takaaki IKEDA, Hiroshi OH-OKA, Shigeru MIWA
- 1334 SIMULATION OF ENERGY INFLUX AND EFFLUX THROUGH SOIL STRUCTURE INTERFACE
Raruib AHSAN, Kazuo KONAGAI, Daisuke MARUYAMA
- 1381 DYNAMIC RESPONSE ANALYSIS OF SOIL-PILE-BUILDING INTERACTION SYSTEM IN LARGE STRAIN LEVELS OF SOILS
Yoshikazu KITAGAWA, Masanori IIBA, Shin'ichiro TAMORI
- 1385 EXPERIMENTAL AND ANALYTICAL STUDY OF THE FLOTATION OF BURIED GAS STEEL PIPE DUE TO LIQUEFACTION
M Hamada, K Shimamura, S Yasuda, S Kojima, Y Fujita, T Kikuchi
- 1397 NONLINEAR SEISMIC SOIL-STRUCTURE INTERACTION BY USING A BE-FE METHOD IN THE TIME DOMAIN
Athol Carr, Peter Moss, Jianjing Zhang
- 1409 DYNAMIC BEHAVIOR OF GROUP-PILE FOUNDATION BY THREE-DIMENSIONAL ELASTO-PLASTIC FINITE ELEMENT ANALYSES
Makoto KIMURA, Feng ZHANG
- 1419 ANALYSIS OF FLUID-SATURATED POROUS MEDIA IN TWO DIMENSIONS UNDER EARTHQUAKE LOAD
Xinchuan ZENG, Shaolin CHEN, Xiaojun QIN
- 1421 EFFECT OF THE EXISTENCE OF UNDERLYING LAYER ON ANTI-PLANE DYNAMIC BEHAVIOUR
Xinchuan Zeng, Xiaojun Qin

INDEX BY TOPIC

05 GEOTECHNICAL ENGINEERING

- 1427 DYNAMIC CHARACTERISTICS OF PILE FOUNDATION SYSTEM CONSIDERING NON-LINEARITY OF SURROUNDING SOIL MEDIUM
Mikio YOSHIZAWA , Kaoru KUSAKABE
- 1430 A STUDY ON LIQUEFIED GROUND DISRUPTION EFFECTS ON LIQUID STORAGE TANK BEHAVIOR
Munenori HATANAKA, Sadatomo ONIMARU, Mutsuhiro YOSHIZAWA, Akihiko UCHIDA
- 1440 SIMPLIFIED METHOD TO EVALUATE CAISSON TYPE QUAY WALL MOVEMENT
Masayuki SATO, Hiroyuki WATANABE, Masayoshi SHIMADA, Tomoyoshi TAKEDA
- 1450 A STUDY ON EARTHQUAKE RESPONSES OF ACTUAL ROCK-FILL DAM AND NUMERICAL ANALYSES
Hiroshi Sato, Yasuyoshi Obuchi
- 1454 BEHAVIOR OF PHC PILE FITTED WITH ASEISMIC SPLICE UNDER THE CYCLIC HORIZONTAL LOADING AND VARIABLE VERTICAL LOADS
Yoshihiro SUGIMURA, Madan KARKEE
- 1462 A FIXED-BASE MODEL WITH CLASSICAL NORMAL MODES FOR SOIL-STRUCTURE INTERACTION SYSTEMS
Wen-Hwa Wu
- 1465 A PROCEDURE FOR EVALUATION OF DIFFERENTIAL SETTLEMENTS OF BUILDINGS DURING EARTHQUAKE
Xiaoming YUAN , Rui SUN, Shangjiu MENG , Zhaoji SHI
- 1474 LARGE-SCALE SHAKING TABLE TESTS ON PILE FOUNDATIONS IN LIQUEFIED GROUND
Shuji TAMURA, Masatoshi IKEDA, Rolando ORENSE, Iwao MORIMOTO, Kenji ISHIHARA, Susumu YASUDA
- 1483 RECENT RESEARCH ON PREDICTION OF SEISMIC SUBSIDENCE OF LOESS
Lanmin WANG, Jingzhou ZHANG, Jun WANG
- 1487 CHARACTERISTICS OF LIQUEFIED GROUND FLOW AT PLANE RECLAIMED LAND DURING THE 1995 KOBE EARTHQUAKE
Masaho YOSHIDA, Masakatsu MIYAJIMA, Masaru KITaura
- 1496 EVALUATION OF SEISMIC FORCE OF PILE FOUNDATION INDUCED BY INERTIAL AND KINEMATIC INTERACTION
Yoshitaka MURONO , Akihiko NISHIMURA
- 1501 KINEMATIC SOIL-MICROPILE INTERACTION
Jianxun YANG, Kevin MCMANUS, John BERRILL
- 1509 LIQUEFACTION OF IMPROVED GROUND IN PORT ISLAND AND ITS EFFECT ON VERTICAL ARRAY RECORD
Nozomu YOSHIDA
- 1512 THE DYNAMIC CONSTITUTIVE MODEL OF COMPACTED LOESS
Lanmin Wang, Zhongxia YUAN
- 1518 EXPERIMENTAL STUDY OF THE BEHAVIOR OF HYBRID (STEEL-CONCRETE COMPOSITE) CAISSON-TYPE QUAY WALLS DURING EARTHQUAKES USING AN UNDERWATER SHAKING TABLE
Koji SEKIGUCHI, Tsuyoshi TANAKA, Shunsuke YAMAMOTO, Yoshio SHIOZAKI, Takahiro SUGANO
- 1560 EFFECT OF CLAY PARTICLE CONTENT ON LIQUEFACTION OF SOIL
RenWang liang, XiaoHong Bai, JiaChen Wang
- 1589 A SYNTHESIZED APPROACH FOR PREDICTING LIQUEFACTION AND RESULTING DISPLACEMENTS
Peter Byrne, Michael Beaty
- 1590 A GEOTECHNICAL SEISMIC SITE RESPONSE EVALUATION PROCEDURE
Adrian Rodriguez-Marek, Jonathan Bray, Norman Abrahamson
- 1610 HAZARD OF LANDSLIDING DURING EARTHQUAKES - CRITICAL OVERVIEW OF ASSESSMENT METHODS
R.N Chowdhury
- 1618 ANALYSIS OF TWO CASE HISTORIES ON LIQUEFACTION OF RECLAIMED DEPOSITS
Kenji ISHIHARA, Kenrou FURUKAWAZONO, Misko CUBRINOVSKI
- 1620 PORE PRESSURE EFFECT ON SEISMIC RESPONSE OF SLOPES
Ernesto CASCONI, Giovanni BIONDI, Ernesto MOTTA, Michele MAUGERI
- 1623 STRAIN DEPENDENT IMPEDANCE IN SHALLOW FOUNDATIONS
Michele MAUGERI, Maria Rossella MASSIMINO, Paolo CARRUBBA
- 1653 UNDRAINED SHEAR BEHAVIOR OF MEXICO CITY SEDIMENTS DURING AND AFTER CYCLIC LOADING
Pedro MORENO, J. Abraham DÍAZ-RODRÍGUEZ, Guadalupe SALINAS
- 1679 CHANGES IN NATURAL FREQUENCY OF APARTMENT BUILDINGS BEFORE AND AFTER THE HYOGOKEN-NANBU EARTHQUAKE
T FUKUDA, S OHBA
- 1719 SEISMIC RESPONSE OF NTT KOBE EKIMAE BUILDING WITH CONSIDERATION OF NONLINEAR SOIL-STRUCTURE INTERACTION DURING THE 1995 HYOGO-KEN-NANBU EARTHQUAKE
Taku SATO, Taku INABA, Hisanobu AKAGI, Hiroshi DOHI, Kenji OKUTA

INDEX BY TOPIC

05 GEOTECHNICAL ENGINEERING

- 1729 ANALYSIS OF SOIL NONLINEAR PROPERTIES AT PORT ISLAND BY NIOM METHOD DURING 1995 HYOGO-KEN-NANBU EARTHQUAKE IN JAPAN
Hamid Haddadi, Hideji Kawakami
- 1737 BEHAVIOR OF GRAVITY TYPE QUAY WALL DURING EARTHQUAKE REGARDING DYNAMIC INTERACTION BETWEEN CAISSON AND BACKFILL DURING LIQUEFACTION
N Yoshida, T Sasajima, E INOUE, K Miura, E Kohama, T HAYASHI, N Ohtsuka
- 1744 OSCILLATOR TESTS OF PILE FOUNDATION IN DISSIPATION PROCESS OF EXCESS PORE WATER PRESSURE AFTER LIQUEFACTION
Hatsukazu MIZUNO, Tsutomu HIRADE, Toshihiro MORI, Masanori IIBA, Michio SUGIMOTO
- 1745 VIBRATIONAL TESTING OF A FULL-SCALE PILE GROUP IN SOFT CLAY
Kyle ROLLINS, Ikhsan MUHAMMAD, Kevin WOMACK, Marvin HALLING
- 1748 DYNAMIC DEFORMATION PROPERTY TESTS AT LARGE STRAINS
Hiroyoshi KIKU, Nozomu YOSHIDA
- 1754 PERFORMANCES OF FOUNDATIONS AGAINST LIQUEFACTION-INDUCED PERMANENT GROUND DISPLACEMENTS
Masanori HAMADA
- 1761 COMPARISON OF EQUIVALENT LINEAR ANALYSIS AND NONLINEAR ANALYSIS FOR A LIQUEFACTION PROBLEM
Yasushi Nukui, Katsuichiro Hijikata, Andrew Chan, Tadahiko Shiomi, Keisuke Koyama
- 1784 EVALUATION OF THE SEISMIC PERFORMANCE OF GRAVITY TYPE QUAY WALL USING EFFECTIVE STRESS ANALYSES
Susumu IAI, Koji ICHII, Hanlong LIU, Yukihiro SATO
- 1794 INVERSE ANALYSIS OF DYNAMIC SOIL PARAMETERS USING ACCELERATION RECORDS
Masaru KITAURA, Masakatsu MIYAJIMA, Toshikazu IKEMOTO
- 1806 FREQUENCY DEPENDENT EQUIVALENT-LINEARIZED TECHNIQUE FOR FEM RESPONSE ANALYSIS OF GROUND
Atsushi YASHIMA, Yoshinori FURUMOTO, Masata SUGITO
- 1810 ESTIMATION OF RESPONSE OF STRUCTURES UNDER NEAR FIELD GROUND MOTIONS CONSIDERING INHOMOGENEOUS FAULTING
Tadao MINAMI, Hisashi UMEMURA, Yuki SAKAI
- 1832 EQUIVALENT LINEAR ANALYSIS CONSIDERING LARGE STRAINS AND FREQUENCY DEPENDENT CHARACTERISTICS
Kinya MIURA, Satoshi KOBAYASHI, Nozomu YOSHIDA
- 1844 SHAKING TABLE TESTS WITH SHORT UNDERGROUND WALLS ON REDUCING SETTLEMENT OF SPREAD FOUNDATION IN LIQUEFIED SOIL
Yukihiko KITADA, Masaru KITAURA, Masakatsu MIYAJIMA
- 1849 MODELLING OF HARDENING AND DEGRADATION BEHAVIOR OF CLAYS AND SANDS DURING CYCLIC LOADING
Diego LO PRESTI, Antonio CAVALLARO, Michele MAUGERI, Oronzo PALLARA, Florentina IONESCU
- 1859 DISCUSSION ON THE PROBLEM ABOUT SATURATED LOESS DYNAMIC PORE PRESSURE BY VIBRATION
Lan LI, Lanmin WANG
- 1871 DETECTION OF SOIL LIQUEFACTION USING STRONG GROUND MOTION RECORDS
Masaru KITAURA, Masaki YAMAMOTO, Masakatsu MIYAJIMA
- 1878 FUNDAMENTAL STUDY OF DYNAMIC RESPONSE OF POROUS MEDIA WITH RANDOM VARIABLES
KAZUYA MITSUJI, YOSHIHIRO SUGIMURA
- 1883 DYNAMIC BEHAVIOR OF PILE FOUNDATION IN LIQUEFACTION PROCESS - SHAKING TABLE TESTS UTILIZING BIG SHEAR BOX
Hatsukazu MIZUNO, Michio SUGIMOTO, Toshihiro MORI, Masanori IIBA, Tsutomu HIRADE
- 1885 RETAINING WALLS UNDER SEISMIC ACTIONS: SHAKING TABLE TESTING AND NUMERICAL APPROACHES
Antonietta FEOLA, Adam CREWE, Pasquale CARAFA, Armando SIMONELLI, Colin TAYLOR
- 1894 DISSIPATIVE ENERGY AND STORED ELASTIC ENERGY DURING LIQUEFACTION PROCESS
Yoshimi OGAWA, Hiroshi ABE, Kaoru KUSANO
- 1922 EXPERIMENTAL STUDY ON THE SOIL-PILE-STRUCTURE INTERACTION BY SHAKING TABLE TESTS USING LARGE-SCALE LAMINAR BOX
Toshiaki HATORI, Kaeko YAHATA, Taro NAKAGAWA, Takeshi FUJIMORI, Masaru TANAKA
- 1930 EFFECTS OF VERTICAL SEISMIC MOTION ON PERFORMANCE OF CAISSON TYPE QUAY WALLS
Masaru KITAURA, Masakatsu MIYAJIMA, Hiroaki NAKAGAWA
- 1949 CONTROLLED BLASTING TO SIMULATE LIQUEFACTION FOR FULL-SCALE LATERAL LOAD TESTING
Scott ASHFORD, Kyle ROLLINS, J. Dusty LANE, Roman HRYCIW
- 1952 NON-LINEAR MOMENT-ROTATION RELATIONSHIP AT THE BASE OF SHEAR WALLS
Michele MAUGERI, Maria Rossella MASSIMINO, Aurelio GHERSI

INDEX BY TOPIC

05 GEOTECHNICAL ENGINEERING

- 1970 NONLINEAR SEISMIC ANALYSIS OF SUBGRADE PILES WITH SOIL DURING STRONG GROUND MOTIONS
Hirokazu TAKEMIYA, Jorge SHIMABUKU
- 1978 ANALYSIS OF THE DAMAGE TO THE PILE FOUNDATION OF A HIGHWAY BRIDGE CAUSED BY SOIL LIQUEFACTION AND ITS LATERAL SPREAD DUE TO THE 1995 GREAT HANSHIN EARTHQUAKE
Masaki FUCHIMOTO, Atsushi NANJO, Yasuo FUJII, Akinori NAKAHIRA, Choji KURODA, Furitsu YASUDA, Akira OHTSUKI, Takashi TAZOH
- 2029 SEISMIC RESISTANT RETAINING WALLS OF REINFORCED SOIL
Paul GREENING, Colin TAYLOR, Ramiro SOFRONIE
- 2086 A STUDY ON EARTHQUAKE RESPONSE OF AN ARMORED EMBANKMENT FOR ARTIFICIAL ISLAND
Kouchi SATO, Yoshiji MORO, Toru MASAO, Setsuo IIZUKA
- 2093 REPRODUCTION OF A LARGE-SCALE 1G TEST ON UNSATURATED SAND DEPOSITS AND PILE FOUNDATIONS USING CENTRIFUGE MODELING
Chikahiro MINOWA, Takaaki KAGAWA, Masayoshi SATO
- 2099 SOIL SPRING CONSTANTS DURING LATERAL FLOW OF LIQUEFIED GROUND
Masahiro TAKAGI, Iwao MORIMOTO, Susumu YASUDA, Kenji ISHIHARA, Rolando ORENSE
- 2116 3-D ANALYSIS TO EVALUATE THE EFFECT OF SOIL IMPROVEMENT ON LIQUEFACTION OF MAN-MADE ISLAND
Hiroki KANAMI, Atsushi YASHIMA, Fusao OKA
- 2125 INFLUENCE OF THE DUCTILITY OF THE FOUNDATION AND STIFFNESS OF THE BUILDING BASE SLAB ON THE EFFICIENCY OF THE SEISMIC ISOLATION
V BALIAEV, V VINOGRADOV, S PRIVALOV
- 2132 REFINEMENTS TO THE NEWMARK SLIDING BLOCK MODEL
David ELMS
- 2136 A STUDY ON DAMAGE TO STEEL PIPE PILE FOUNDATION ON RECLAIMED LAND DURING HYOGO-KEN-NAMBU EARTHQUAKE
Takaaki IKEDA, Shigeru MIWA, Hiroshi OH-OKA
- 2161 DYNAMIC PROPERTIES OF UNTREATED AND TREATED COHESIVE SOILS
M AGGOUR, K CHEPKOIT
- 2177 A STUDY ON IDENTIFYING METHOD OF NONLINEAR DYNAMIC SOIL RESISTANCE AGAINST PILES
Takayoshi MUTO, Michio IGUCHI
- 2209 DEFORMATION OF SANDY DEPOSITS BY FAULT MOVEMENT
H WATANABE, H TANIYAMA
- 2219 DYNAMIC CHARACTERISTICS OF PILE GROUPS IN FLUID-FILLED POROELASTIC LAYERS
Shin-ichiro TAKANO, Yuzuru YASUI
- 2225 EFFECT OF FOUNDATION INTERACTION ON REQUIRED SEISMIC INTENSITY OF RC PIERS SUBJECTED TO LEVEL2 EARTHQUAKE MOTIONS
Syuuji SASADA, Yoshifumi NARIYUKI, Tsutomu SAWADA, Kiyoshi HIRAO
- 2228 EFFECT OF THE GRID-SHAPED STABILIZED GROUND IMPROVEMENT TO LIQUEFIABLE GROUND
T Matsuda, K Sato
- 2263 IN SITU VS MEASUREMENTS IN SOIL AND ROCK USING THE BOREHOLE SASW TOOL
Kenneth Stokoe II, Michael Kalinski
- 2270 LIQUEFACTION HISTORY, 416-1997, IN JAPAN
Kazue WAKAMATSU
- 2383 LIQUEFACTION POTENTIAL AND UNDRAINED FRAGILITY OF SILTY SOILS
Sabanayagam Thevanayagam
- 2384 RESPONSE OF TYPICAL BUILDINGS TO LONG-DISTANCE EARTHQUAKES
Tso-Chien Pan, Qiurong Lu
- 2404 ESTIMATION OF LATERAL SPREAD OF A CAISSON TYPE QUAY CAUSED BY BACK FILL LIQUEFACTION
Kunio MIZUMOTO, Tetsuya TSURUMI, Hidekatsu NAKAJIMA, Susumu OKADA
- 2405 EXPERIMENTAL CONSIDERATION ON THE MECHANISM OF LIQUEFACTION
Tetsuya TSURUMI, Susumu OKADA, Kunio MIZUMOTO
- 2423 SURFACE WAVE MODELLING USING SEISMIC GROUND RESPONSE ANALYSIS
E John Marsh, Tam Larkin
- 2429 ESTIMATION OF DYNAMIC DISPLACEMENT OF GRAVITY TYPE QUAY WALLS BASED ON CENTRIFUGE MODELING
Toru SUEOKA, Tadafumi FUJIWARA, Yuichi HIGUCHI, Kenichi HORIKOSHI
- 2441 COUNTERMEASURES AGAINST LIQUEFACTION INDUCED SETTLEMENT FOR POWER TRANSMISSION TOWERS
Masayuki SATOH, Susumu YASUDA, Kenichi HORIKOSHI, Hidenori ABO

INDEX BY TOPIC

05 GEOTECHNICAL ENGINEERING

- 2443 DYNAMIC CENTRIFUGE TEST OF PILE FOUNDATION STRUCTURE PART ONE : BEHAVIOR OF FREE GROUND DURING EXTREME EARTHQUAKE CONDITIONS
Satoru NAKAFUSA, Tsutomu NAMIKAWA, Katsuo TOGASHI, Ryouichi BABASAKI, Toshio HASHIBA
- 2444 DYNAMIC CENTRIFUGE TEST OF PILE FOUNDATION STRUCTURE PART TWO : BEHAVIOR OF STRUCTURE AND GROUND DURING EXTREME EARTHQUAKE CONDITIONS
Tsutomu NAMIKAWA, Ryouichi BABASAKI, Katsuo TOGASHI, Toshio HASHIBA, Satoru NAKAFUSA
- 2445 DYNAMIC MODEL TESTS ON L-SHAPED GRAVITY RETAINING WALLS
Ernesto CASCONI, Michele MAUGERI, Simone LO GRASSO
- 2467 TILTING FAILURE OF RETAINING WALLS INCLUDING P-DELTA EFFECT AND APPLICATION TO KOBE WALLS
J MANDER, K FISHMAN, D Yao, R RICHARDS.Jr
- 2472 LIQUEFACTION POTENTIAL BY TORSIONAL SHEAR
Ghasem Habibagahi, Masood Dehghani, Arsalan Ghahramani, John Berrill
- 2476 SHAKING TABLE TESTS ON PERMANENT DISPLACEMENT OF CAISSON QUAY WALL DURING EARTHQUAKES
Abbas GHALANDARZADEH, Takashi ORITA, Ikuo TOWHATA
- 2477 DETAILED INVESTIGATION OF PILES DAMAGED BY HYOGOKEN- NANBU EARTHQUAKE
Hiroyasu OHTSU, Akira TATEISHI, Kenichi HORIKOSHI
- 2481 SHAKING TABLE TESTS ON THE MECHANISM OF LIQUEFACTION-INDUCED GROUND FLOW BEHIND QUAY WALLS
Daisuke ARAI, Toshio KOBAYASHI, KeySusumu YASUDA, Key HIGUCHI, Tomohiro TANAKA
- 2483 SIMULTANEOUS MODEL TESTS ON QUAY WALL AND LIQUEFIED BACKFILL GROUND DURING EARTHQUAKE
Susumu YASUDA, Nozomu YOSHIDA, Mamoru KANATANI
- 2484 RESIDUAL DEFORMATION OF CAISSON, SHEET PILE AND GROUND BY SIMPLIFIED ANALYSIS
Tsunehiro IRISAWA, Susumu YASUDA, Nozomu YOSHIDA, Hiroyuki KIKU, Hiromitsu MORIMOTO
- 2486 ANALYSIS OF LIQUEFACTION INDUCED RESIDUAL DEFORMATION FOR TWO TYPES OF QUAY WALLS ANALYSIS BY "FLIP"
Osamu OZUTSUMI, Shun-ichi SAWADA, Susumu IAI
- 2487 RESIDUAL DEFORMATION ANALYSIS OF SHEET PILE QUAY WALL AND BACKFILL GROUND AT SHOWA-OHASHI SITE BY SIMPLIFIED METHOD
Osamu OZUTSUMI, Ketsu YUU, Masaaki KIYAMA, Susumu IAI
- 2488 BEHAVIOR OF THE MAIN WHARF IN SAN PEDRITO PORT IN MANZANILLO, MEXICO
M Romo, E Ovando-Shelley
- 2493 SURVEY AND EVALUATION OF ACTIVE FAULTS ON DAM CONSTRUCTION IN JAPAN
Yasuhiko Wakizaka, Choshiro Tamura, Sigeo Kanwo, Tsuneo Uesaka, Isao Nagayama
- 2634 RADIATION DAMPING OBSERVED FROM SEISMIC RESPONSES OF BUILDINGS
Mehmet CELEBI
- 2638 RESPONSE SPECTRA FOR DIFFERENTIAL MOTION OF COLUMNS
Maria Todorovska, Mihailo Trifunac
- 2639 THE GUTS OF SOIL-STRUCTURE INTERACTION
John WOLF, Chongmin SONG
- 2666 CENTRIFUGE RESEARCH OF LIQUEFACTION PHENOMENA
Michael SHARP, Ricardo DOBRY, Richard LEDBETTER
- 2680 SHAKE TABLE TESTING ON SEISMIC PERFORMANCE OF GRAVITY QUAY WALLS
Susumu IAI, Takahiro SUGANO
- 2697 STUDY ON EFFECTIVE SEISMIC MOTION AND ITS APPLICATION TO SEISMIC DESIGN
M Saitoh, A Nishimura
- 2736 CYCLIC SETTLEMENT AND SLIDING OF CAISSON SEAWALLS
Shunichi HIGUCHI, Doug STEWART, Tomoyoshi TAKEDA, Tadashi KAWAI, Bruce KUTTER, Randolph SETTGAST
- 2739 DYNAMIC COMPLIANCE OF SHALLOW FOOTINGS ON NONLINEAR SOIL
M PENDER
- 2744 SEISMIC DESIGN OF PORT OF LOS ANGELES' PIER 400: A GEOTECHNICAL ENGINEERING PERSPECTIVE
Kanhasamy MURALEETHARAN, Kandiah ARULMOLI, John FOXWORTHY, Richard WITTKOP
- 2817 NUMERICAL MODELING OF LIQUEFACTION-INDUCED LATERAL SPREADING
Zhaohui Yang, Ahmed-W. Elgamal

06 STRUCTURAL ENGINEERING

- 0006 ZOOMING PARADOX AND DAMPING MODELS IN DYNAMIC ANALYSIS
Alexander TYAPIN
- 0009 IMPROVING THE PERFORMANCE OF STEEL BEAM-COLUMN MOMENT-RESISTANT CONNECTIONS
Kevin Truman, Gary Warmka

INDEX BY TOPIC

06 STRUCTURAL ENGINEERING

- 0021 GPS IN DYNAMIC MONITORING OF LONG-PERIOD STRUCTURES
Mehmet CELEBI
- 0024 ON THE SEISMIC BEHAVIOR OF RC FRAMES DESIGNED ACCORDING TO EUROCODE 8
Artur PINTO, Antonio AREDE
- 0026 ANALYTICAL AND EXPERIMENTAL STUDY OF REAL MASONRY BUILDINGS
M. I. Enrique Cruz Gómez
- 0037 BEHAVIORS OF FRAMED MASONRY WALLS
Yaw-Jeng CHIOU, Jyh-Cherng TZENG, Yuh-Wehn LIOU
- 0040 SEISMIC BEHAVIOUR OF FIBRE REINFORCED CONCRETE FRAMES
L LA MENDOLA, G ZINGONE, G CAMPIONE
- 0043 STRUCTURAL IDENTIFICATION AND POTENTIAL SYSTEMS
Gaetano Zingone, Cavaleri Liborio
- 0050 NONLINEAR HYDRODYNAMIC PRESSURES ON RIGID ARCH DAMS DURING EARTHQUAKES
Bang-Fuh CHEN, Yin-Sen YUAN
- 0059 A NEW METHOD FOR THE SEISMIC DESIGN OF STRUCTURES WITH BILINEAR ISOLATORS USING INELASTIC SPECTRA
Arturo TENA-COLUNGA
- 0063 THE CONTROL OF BUILDING MOTION BY FRICTION DAMPERS
Cedric MARSH
- 0069 3-D SIMPLIFIED DYNAMIC ANALYSIS OF THE XIAOLANGDI EARTH-ROCK DAM
Shen ZHENZHONG, Xu ZHIYING
- 0071 NONLINEAR SEISMIC RESPONSE ANALYSIS OF XIAOWAN ARCH DAM WITH CONTRACTION JOINT
Chuhan ZHANG, Guanglun WANG, Yanjie XU, Feng JIN
- 0072 DESIGN BASED SEISMIC INPUT FOR SEISMIC ISOLATION SYSTEM
Katsuhiko ISHIDA
- 0073 PERFORMANCE COMPARISON OF DIFFERENT FRICTION DAMPED SYSTEMS
Yaomin Fu, Sheldon Cherry
- 0074 THE EFFECT OF FLEXIBLE HORIZONTAL DIAPHRAGMS ON THE SEISMIC TORSIONAL RESISTANCE OF SYSTEMS WITH DUCTILE WALLS
Athol CARR, Peter MOSS, Mashiro INAYAMA, Masahide MURAKAMI
- 0088 SEISMIC ISOLATION FOR STRONG, NEAR-FIELD EARTHQUAKE MOTIONS
Victor ZAYAS, Stanley LOW
- 0101 THE CONCEPT OF DAMPING TUNING FOR SEISMIC ISOLATION
Alexander UZDIN, Angelica DOLGAYA
- 0110 SEISMIC EVALUATION OF EARTHQUAKE RESISTANT AND RETROFITTING MEASURES OF STONE MASONRY HOUSES
Thakkar SHASHI, Agarwal PANKAJ
- 0111 THE OBSERVED PERFORMANCE OF PARTIALLY REINFORCED MASONRY PIERS SUBJECTED TO COMBINED HORIZONTAL CYCLIC AND COMPRESSIVE LOADS
K. Stylianiades, P. Trylirakis, G. Manos, B. Yasin, J. Thaumpta
- 0112 INFLUENCE OF MASONRY INFILLS ON THE EARTHQUAKE RESPONSE OF MULTI-STOREY REINFORCED CONCRETE STRUCTURES
George Manos, Bilal Yasin, Jafar Thaumpta
- 0113 ELASTO-PLASTIC BEHAVIOR OF HORIZONTAL HAUNCHED BEAM-TO-COLUMN CONNECTION
Yoshikazu SAWAMOTO, Toshio SAEKI, Naoki TANAKA
- 0114 FLEXIBLE BUILDING BASEMENT WITH MULTICOLUMNS
Luis CARRILLO-GUTIERR
- 0116 SEISMIC PERFORMANCE OF REINFORCED CONCRETE COLUMNS WITH 90 DEGREE END HOOKS FOR SHEAR REINFORCEMENT UNDER HIGH SPEED LOADING
Shigeru HAKUTO
- 0119 DAMPING AND ENERGY CHARACTERISTICS OF PC RIGID-FRAME VIADUCT BRIDGES
Takakichi KANEKO, Yoshitaka MATSUI, Toshiro HAYASHIKAWA, Koichi SATO
- 0122 PASSIVE CONTROL OF EARTHQUAKE-INDUCED VIBRATIONS IN ASYMMETRIC BUILDINGS
Rakesh Goel
- 0123 STATISTICAL ANALYSIS OF MODAL PARAMETERS FOR RC BUILDINGS
Chi-Ching LO, Li-Ling HONG

INDEX BY TOPIC

06 STRUCTURAL ENGINEERING

- 0127 SEISMIC STRENGTHENING OF REINFORCED CONCRETE BRIDGE PIER WITH FRP COMPOSITES
Vladimir Volnyy, Chris Pantelides, Janos Gergely, Lawrence Reaveley
- 0129 SEISMIC RESPONSE OF BUILDINGS ISOLATED BY SLIDING-ELASTOMER BEARINGS SUBJECTED TO BI-DIRECTIONAL MOTION
Sajal DEB, Dilip PAUL
- 0131 TESTING OF A FULL SCALE BASE ISOLATED FOUR STORY APARTMENT BUILDING IN THE CITY OF SPITAK, ARMENIA
Sam LOO, Grygor VARDANIAN, Keith FULLER, Levik BEJBUTIAN, Tigran NERSESSIAN, Grant SARGISSIAN, VanikArsen KAZARIANAZARIAN, Mikayel MELKUMYAN
- 0132 STUDY ON STABILITY AGAINST SLIDING OF DEEP EMBEDDED NUCLEAR POWER BUILDING
H TAKAHARA, T HAMADA, K TOGASHI
- 0135 CENTERCORE STRENGTHENING SYSTEM FOR SEISMIC HAZARD REDUCTION OF UNREINFORCED MASONRY BEARING WALL BUILDINGS
David BREIHOLZ, P.E.
- 0138 SOME DIFFERENCES BETWEEN COUPLED WALL AND CANTILEVER WALL STRUCTURES
Mulyo Harris Pradono, Sugeng Wijanto
- 0143 SEISMIC RETROFIT OF NON-PRISMATIC RC BRIDGE COLUMNS WITH FIBROUS COMPOSITES
Brett McElhaney, David Sanders, Faramarz Gordaninejad, Frank martinovic, M. Saiid Saiidi
- 0144 STRUCTURAL MODELS FOR TWO INSTRUMENTED BUILDINGS WITH SOIL STRUCTURE INTERACTION
Neftalí Rodríguez Cuevas
- 0147 SEISMIC RESPONSE OF BUILDING BASE ISOLATED WITH FILLED RUBBER BEARINGS UNDER EARTHQUAKES OF DIFFERENT CHARACTERISTICS
Shashi THAKKAR, Sarvesh JAIN
- 0151 BI-AXIAL PSEUDODYNAMIC TESTING
Shuenn-Yih CHANG, Gee-Yu LIU
- 0152 SELECTIVE COLUMN REHABILITATION OF RC FRAMES
Ahmed Ghobarah
- 0153 REHABILITATION OF RC BUILDINGS USING STRUCTURAL WALLS
Ahmed Ghobarah, Maged Youssef
- 0162 ANALYTICAL METHOD FOR PREDICTING THE RESPONSE OF TIED CONCRETE COLUMNS TO SEISMIC LOADING
Minehiro NISHIYAMA, Fumio WATANABE, Beni ASSA
- 0175 SEISMIC BEHAVIOUR OF STRUCTURES WITH ENERGY DISSIPATING SYSTEMS IN MEXICO
J JARA, A AYALA, E MIRANDA
- 0176 RECENT ADVANCES IN CONCRETE MATERIAL MODELING AND APPLICATION TO THE SEISMIC EVALUATION AND RETROFIT OF CALIFORNIA BRIDGES
Robert Dowell, Robert Dameron, Joseph Rashid
- 0181 FRACTURE AND PLASTIC DEFORMATION CAPACITY OF THE WELDED JOINT OF COMPOSITE BEAM-TO-STEEL COLUMN CONNECTIONS
Akira MATSUO, Yuji NAKAMURA, Takao TAKAMATSU, Yoshimasa MATSUI
- 0190 SEISMIC BEHAVIOUR OF MIXED STEEL STRUCTURES
F DANESH
- 0192 ULTIMATE STRENGTH AND STRAIN OF CONCRETE STRUTS IN INFILLED WALL PANELS OF FRAMED SHEARWALLS
Fumiya ESAKI
- 0194 ADVANCED PASSIVE CONTROL TECHNIQUES FOR RETROFIT OF EXISTING BUILDINGS IN SEISMIC ZONE
Joe CHUNG, J XIE, Fu Lin ZHOU, X GAO, W YAN, Z XU, W LIU
- 0195 STRENGTH AND BEHAVIOR OF SLENDER CONCRETE FILLED STEEL TUBULAR COLUMNS
Chiaki MATSUI, Eiji MINO, Keigo TSUDA
- 0199 COST BENEFIT ANALYSIS OF EARTHQUAKE PROTECTION PROGRAMME THROUGH RETROFITTING OF NON-ENGINEERED BUILDINGS
Kumar Amit, Bose Pratima Rani
- 0202 A DETAILED EXPERIMENTAL STUDY ON CHINESE LEAD RUBBER BEARING
Keiji MASUDA, Takafumi MIYAMA, Fulin ZHOU, Binghui ZHENG, Demin FENG, Zhengrong LI, Wenguang LIU
- 0203 A NEW ANALYTICAL MODEL FOR THE LEAD RUBBER BEARING
Demin FENG, Takafumi MIYAMA, Tsugio TORII, Satoshi YOSHIDA, Ikuo SHIMODA, Masayoshi IKENAGA
- 0208 PERIODS OF REINFORCED CONCRETE FRAMES DURING NONLINEAR EARTHQUAKE RESPONSE
Nove NAUMOSKI, Arthur HEIDEBRECHT

INDEX BY TOPIC

06 STRUCTURAL ENGINEERING

- 0213 STATICAL CHARACTERISTICS OF THE IMPROVED RIGID BEAM-TO-COLUMN CONNECTIONS OF STEEL STRUCTURE
Masuda HIROSHI, Atsuo TANAKA
- 0216 INFLUENCE OF HYSTERETIC DETERIORATIONS IN SEISMIC RESPONSE OF MULTISTORY STEEL FRAME BUILDINGS
Konstantinos SKLIROS, Andrei REINHORN, Farzad NAEIM
- 0218 SHAKING TABLE EXPERIMENTAL STUDY OF REINFORCED CONCRETE HIGH-RISE BUILDING
Weixing SHI
- 0221 CAPACITY DESIGN OF INFILLED FRAME STRUCTURES
Athol Carr, Robert Park, Francisco Crisafulli
- 0222 SEISMIC RESPONSE EVALUATION USING IMPULSE SERIES METHOD
ADRIAN DANILIU, MIRELA BATALAN
- 0231 PERFORMANCE OF REINFORCED CONCRETE BEAMS UNDER SEISMIC AND CYCLIC LOADINGS
Vsevolod LEVTCHITCH
- 0235 STUDY OF THE DYNAMIC AND EARTHQUAKE BEHAVIOR OF ANCIENT COLUMNS AND COLONNADES WITH AND WITHOUT THE INCLUSION OF WIRES WITH ENERGY DISSIPATION CHARACTERISTICS
G. Manos, M. Demosthenous, V. Kourtides, J. Evison-Manou
- 0240 SIMULATION OF CONCRETE FRAME COLLAPSE DUE TO DYNAMIC LOADING
Motohiko HAKUNO
- 0247 ULTIMATE TENSILE STRENGTH OF 780MPA-GRADE AND 590MPA-GRADE H-SHAPED STEEL MEMBERS JOINTED WITH HIGH-STRENGTH BOLTS
Kuniaki UDAGAWA, Takao YAMADA
- 0250 SEISMIC PERFORMANCE OF LARGE RC CIRCULAR HOLLOW COLUMNS
M PRIESTLEY, Giulio RANZO
- 0257 EXPERIMENTAL PROGRAM AND PROPOSED DESIGN METHOD FOR THE RETROFIT OF STEEL MOMENT CONNECTIONS
Scott Civjan, John Gross, Michael Engelhardt
- 0263 FINITE ELEMENT TECHNIQUES FOR SIMULATION OF INFILLED REINFORCED CONCRETE BUILDINGS UNDER EARTHQUAKE LOADING
Anton VROUWENVELDER, Tom SCARPAS, Flavio GALANTI
- 0269 SEISMIC UPGRADE OF THE FREEPORT WATER RESERVOIR, SACRAMENTO, CALIFORNIA
Rashmi "Tina" PALL, Tom HALE
- 0273 SEISMIC ANALYSIS OF FRAMES WITH SEMI-RIGID ECCENTRIC CONNECTIONS
Rastislav Mandic, Ratko Salatic, Miodrag Sekulovic
- 0279 ALUMINIUM SHEAR-LINK FOR SEISMIC ENERGY DISSIPATION
Benjamin Wallace, Durgesh Rai
- 0281 SEISMIC MODEL TEST AND ANALYSIS OF MULTI-TOWER HIGH-RISE BUILDINGS
Wensheng LU, Xilin LU
- 0284 ASEISMIC DESIGN OF TALL STRUCTURES USING VARIABLE FREQUENCY PENDULUM OSCILLATOR
Ravi SINHA, M PRANESH
- 0289 COLLAPSE ANALYSIS OF REINFORCED CONCRETE FRAME STRUCTURES CONSIDERING COLLISION EFFECTS
Leiming ZHANG, Xila LIU
- 0304 A STUDY ON MODAL STRAIN ENERGY METHOD FOR VISCOELASTICALLY DAMPED STRUCTURES
K CHANG, M TSAI
- 0308 A DEVELOPMENT OF A NEW TECHNOLOGY FOR BASE-ISOLATED BUILDINGS USING CROSSED LINEAR BEARINGS
Hiroyuki HARADA, Norikatsu TAKASE, Toru SUZUKI, Fumiaki ARIMA
- 0310 DYNAMIC RESPONSE OF EARTHQUAKE EXCITED INELASTIC PRIMARY-SECONDARY SYSTEMS
Christoph ADAM, Peter FOTIU
- 0311 NON-LINEAR SEISMIC RESPONSE CHARACTERISTICS STUDY OF A RC BRIDGE COLUMN WITH SEISMIC ISOLATORS BY A SHAKING TABLE TEST
Yukio ADACHI, Taiichi KAGAYAMA, Shigeki UNJOH, Masuo KONDOH
- 0315 EFFECT OF IMPACT VIBRATION ABSORBER WITH HYSTERESIS DAMPING TO EARTHQUAKE EXCITATION
Takeshi WATANABE, Shigeru AOKI
- 0321 DYNAMIC BEHAVIOR AND SEISMIC PERFORMANCE OF BASE-ISOLATED BRIDGES IN OBSERVED SEISMIC RECORDS
Junji YOSHIDA, Masato ABE, Yozo FUJINO
- 0324 CYCLIC RESPONSE OF A NEW STEEL-CONCRETE COMPOSITE FRAME SYSTEM
Riyad ABOUTAHA

INDEX BY TOPIC

06 STRUCTURAL ENGINEERING

- 0328 DYNAMIC CHARACTERISTICS AND EARTHQUAKE RESPONSE ANALYSIS OF THREE-SPAN CONTINUOUS STRESS RIBBON BRIDGE
Masakatsu WATANABE , Hiroshi OKAZAKI , Toshihiko ASO , Kiyoshi UNO , Yoshio FUJIMOTO
- 0332 HYSTERESIS CHARACTERISTIC OF LEAD PILLAR DAMPER
Kathuhiko NOYORI , Yoshito MAEDA , Shinji ARAMAKI , Kiyoshi UNO
- 0334 DETERMINATION OF DYNAMIC PROPERTIES OF EXISTING CONCRETE GRAVITY DAM BASED ON ACTUAL EARTHQUAKE MOTIONS
Hiroyuki ASAKA , Yoshiaki ARIGA , Susumu TSUNODA
- 0338 NON-LINEAR SEISMIC RESPONSE OF A RC BUILDING MOCK-UP: NUMERICAL MODELLING BY MULTILAYERED SHELL ELEMENTS
Jean-François SEMBLAT , Franz-Josef ULM , Amel AOUMEUR
- 0340 ADAPTIVE RESPONSE CONTROL AND ASSOCIATE SYSTEM MONITORING ON INTERACTIVE SOIL-STRUCTURE CONSTRUCTIONS DURING SEISMIC EXITATIONS
Nobuhiro KASUMOTO , Naoto YABUSHITA , Kensuke BABA , Ryo HASEGAWA , Yutaka INOUE
- 0344 A PERFORMANCE-BASED OPTIMAL DESIGN METHODOLOGY INCORPORATING MULTIPLE CRITERIA
Costas Papadimitriou , Ayhan Irfanoglu , James Beck , Siu Kui Au
- 0350 SHEAR PERFORMANCE OF RC MEMBERS STRENGTHENED WITH EXTERNALLY BONDED FRP WRAPS
AHMED KHALIFA , ABDELJELIL BELARBI , ANTONIO NANNI
- 0351 INCORPORATION OF THE EFFECT OF BIAXIAL STRESSES IN THE AVERAGE STRESS-STRAIN RELATIONSHIP OF REBAR IN RC PANELS
Amlan SENGUPTA , Abdeldjelil BELARBI
- 0352 SEISMIC BEHAVIOR OF RC COLUMN-S BEAM MOMENT FRAMES
Nozomu BABA , Yasushi NISHIMURA
- 0354 BEHAVIOUR OF REPAIRED PRETENSIONED PRESTRESSED CONCRETE BEAMS UNDER CYCLIC LOADING
Bambang BUDIONO , Titik PENTA , Dicky MUNAF
- 0357 DEVELOPMENT OF THE STEEL TYPE SEISMIC-ISOLATION DEVICE (METAL LINK BEARING)
TOSHIHIKO BESSHO , Kenji Ikeda , Katsuhiko Nishimura , Akio Hayashi , Hiroshi Mitamura
- 0360 MACRO-MODELS FOR THE IN-PLANE ANALYSIS OF INFILLED RC FRAMES: AN APPRAISAL THROUGH PSEUDO-DYNAMIC TESTS
Felice COLANGELO
- 0361 EXPLICIT PSEUDODYNAMIC TEST WITH NUMERICAL DISSIPATION
Gee-Yu Liu , Shuenn-Yih Chang
- 0362 DYNAMIC BEHAVIOR IN TRANSVERSE DIRECTION OF SHIELD TUNNEL WITH CONSIDERING EFFECT OF SEGMENT JOINTS
Atsushi KOIZUMI , Chuan HE
- 0368 PERFORMANCE OF STRUCTURES DURING NEAR-SOURCE EARTHQUAKES
Nawawi CHOUW
- 0370 EVALUATION OF THE RADIATION DAMPING IN DAM-FOUNDATION SYSTEM
Yoshiaki ARIGA , Hiroyuki WATANABE , Masatoshi YOSHIDA , Zengyan CAO
- 0372 THREE-DIMENSIONAL BUILDINGS SUBJECTED TO BI-DIRECTIONAL EARTHQUAKES: VALIDITY OF ANALYSIS CONSIDERING UNI-DIRECTIONAL EARTHQUAKES
Silvana COMINETTI , Ernesto CRUZ
- 0373 ELASTIC AND INELASTIC RESPONSE OF THREE-DIMENSIONAL BUILDINGS MODELS, A COMPARISON OF DIFFERENT MODELS FOR ANALYSIS
Silvana COMINETTI , Ernesto CRUZ
- 0374 CLOSED-OPEN-LOOP OPTIMAL CONTROL OF BUILDING STRUCTURES SUBJECTED TO EXPONENTIALLY ATTENUATING HARMONIC LOADING
Genda CHEN
- 0378 DUCTILE CONCRETE WALLS WITH STEEL ENDS
Denis MITCHELL , Soon Ho CHO , Li Hyung LEE , Bryce TUPPER
- 0382 AN INNOVATIVE ELASTO-PLASTIC ENERGY DISSIPATOR FOR THE STRUCTURAL AND NON-STRUCTURAL BUILDING PROTECTION
Luis BOZZO , Lluís TORRES , Xavier CAHÍS
- 0384 DYNAMIC PUSH-OVER CURVE FOR BUILDING STRUCTURES UNDER 3-DIRECTIONAL EARTHQUAKE INPUT
Yi-Hsin CHEN , Pai-Mei LIU , Maw-Shyong SHEU
- 0392 INFLUENCE OF LIFT-OFF PHENOMENA ON SEISMIC RESPONSE OF MULTI-STORY BUILDINGS
Yuji ISHIYAMA , Tomoyuki KUMAGAI , Cornelia CHIOVEANU

INDEX BY TOPIC

06 STRUCTURAL ENGINEERING

- 0393 SEISMIC RESISTANCE OF HIGH-STRENGTH R/C MEMEBERS
Golubka NECEVSKA-CVETANOVSKA, Kiril TRENKOVSKI, Dime DANILOVSKI, Roberta PETRUSEVSKA
- 0399 DISTRIBUTION OF SEISMIC LINKS IN HYSTERETIC DEVICE SYSTEMS
Uwe DORKA, Veit BAYER
- 0400 SEISMIC RELIABILITY ASSESSMENT OF MULTI-STOREY R/C FRAMES
Marios Chryssanthopoulos, Christiana Dymiotis, Andreas Kappos
- 0401 A NEW ALGORITHM FOR REAL-TIME SUB-STRUCTURE PSEUDO-DYNAMIC TESTS
Veit BAYER, Uwe DORKA, Ulrich Füllekrug
- 0405 IMPROVEMENT AS A CRITERION FOR THE ANTI-SEISMIC SAFEGUARDING AND STRUCTURAL CONSERVATION OF HISTORICAL SITES: METHODOLOGY AND EXAMPLES
Salvatore D'AGOSTINO, Mariangela BELLOMO
- 0406 EFFECT OF FLOOR IN PLANE FLEXIBILITY ON THE RESPONSE OF TORSIONALLY UNBALANCED SYSTEMS
Jaime DE LA COLINA
- 0408 NON-LINEAR BEHAVIOR OF STEEL PLATE SHEAR WALL WITH LARGE RECTANGULAR OPENING
Hossein DAFTARI, Ardeshir DEYLAMI
- 0409 STRUCTURAL DYNAMIC RESPONSE MITIGATION BY A CONTROL LAW DESIGNED IN THE PLASTIC DOMAIN
Alessandro BARATTA , Ottavia CORBI
- 0416 BENCHMARK ANALYSIS OF A STRUCTURAL WALL
Matej FISCHINGER, Tatjana Isakovic
- 0424 HYSTERESIS MODEL FOR CONCRETE FILLED STEEL SQUARE TUBULAR BEAM-COLUMNS
Takashi FUJINAGA, Keigo TSUDA, Chiaki MATSUI
- 0432 SYSTEM IDENTIFICATION OF THE BASE ISOLATED STRUCTURE BY PREDICTION ERROR METHOD USING RECORDED SEISMIC RESPONSE DATA UNDER HYOGOKEN-NANBU EARTHQUAKE
Masashi Ito, Yutaka Inoue, Tadatoshi Furukawa
- 0435 CONSIDERING THE BI-DIRECTIONAL EFFECTS AND THE SEISMIC ANGLE VARIATIONS IN BUILDING DESIGN
Silvana COMINETTI , Ernesto CRUZ , Iván FERNANDEZ-DAVILA
- 0436 STUDY ON SEISMIC RESPONSE CONTROL SYSTEM FOR HEAVY, RIGID BUILDINGS OF REINFORCED CONCRETE: PART-1 SEISMIC RESPONSE CONTROL METHOD AND RESPONSE REDUCTION
Hideaki SAITO, Tomohiro FUJITA, Yasuaki FUKUSHIMA, Hiroyuki SUGITA, Kiyoshi HARA
- 0438 INFLUENCE OF SOIL-STRUCTURE INTERACTION ON THE SEISMIC RESPONSE OF BRIDGE PIERS
Domenico LIBERATORE, Giuseppe DE CARLO, Mauro DOLCE
- 0445 SEISMIC RISK ASSESSMENT OF MOTORWAY BRIDGE WARTH / AUSTRIA
Fabio Romanelli, Michel Kahan, Alex Barbat, Raimundo Delgado, Ennio DARIN, Rainer Flesch, Artur Pinto
- 0449 PROPOSAL OF SOFT-ELASTIC BUILDING STRUCTURE WITH HIGH CAPACITY DAMPER
Takanori SATO, Takehiko TERADA, Tetsuya HANZAWA
- 0450 DYNAMIC RESPONSE OF CONICAL SHELL USING NEURAL-NETWORK-BASED VIBRATION CONTROL
Kiyoshi SHINGU, Kiyotoshi HIRATSUKA
- 0451 THE BEAM RETROFITTED BY CARBON FIBER-EXPERIMENT AND DESIGNS
Hiroya HAGIO, Hideo KATSUMATA, Kohzo KIMURA
- 0454 MULTI-DIRECTIONAL LOADING TEST FOR RC SEISMIC SHEAR WALLS
Atsushi HABASAKI, Yoshio KITADA, Katsuki TAKIGUCHI , Takao NISHIKAWA , Haruhiko TORITA
- 0457 MOMENTARY ENERGY ABSORPTION AND EFFECTIVE LOADING CYCLES OF STRUCTURES DURING EARTHQUAKES
Yutaka HAGIWARA
- 0458 DISSIPATION OF ENERGY IN STEEL FRAMES UNDER DYNAMIC LOADING
Alfredo Reyes-Salazar, Achintya Haldar
- 0463 EFFECT OF VERTICAL MOTION OF EARTHQUAKE ON FAILURE MODE AND DUCTILITY OF RC BRIDGE PIERS
Atsuhiko Machida, Khairy Abdelkareem
- 0464 ANALYSIS OF A SMALL SCALE RC BUILDING SUBJECTED TO SHAKING TABLE TESTS USING APPLIED ELEMENT METHOD
Hatem TAGEL-DIN, Kimiro MEGURO
- 0469 NONLINEAR DYNAMIC BEHAVIOR AND SEISMIC ISOLATION OF STEEL TOWERS OF CABLE-STAYED BRIDGES UNDER GREAT EARTHQUAKE GROUND MOTION
Takakichi KANEKO, Toshiro HAYASHIKAWA, Yoshitaka MATSUI
- 0470 CHAOTIC PHENOMENA OBSERVED IN SEISMIC RESPONSE AND AFTER-EVENT BEHAVIOUR OF VARIOUS SYSTEM
Heki SHIBATA

INDEX BY TOPIC

06 STRUCTURAL ENGINEERING

- 0472 DEVELOPMENT AND USE OF AN ANALYTICAL MODEL TO PREDICT THE INELASTIC SEISMIC BEHAVIOR OF SHEAR WALL, REINFORCED CONCRETE BUILDINGS
Pedro HIDALGO , Rodrigo JORDAN, Marcelo MARTINEZ
- 0473 A STUDY ON VARIABLE STIFFNESS DEVICE HAVING ELASTIC NON-LINEAR CHARACTERISTICS
Hideo SUITSU
- 0477 MODEL TEST ON DYNAMIC CROSS INTERACTION OF ADJACENT BUILDINGS IN NUCLEAR POWER PLANTS
Kazuhiro YOSHIDA, Tsutomu HIROTANI, Michio IGUCHI, Tatsuo YANO, Yoshio KITADA
- 0486 A SIMPLIFIED SEISMIC RESPONSE ANALYSIS METHOD OF CYLINDRICAL LIQUID STORAGE TANKS
Degao ZOU, Xianjing KONG
- 0488 DAMAGE MECHANISM ANALYSIS OF RC BRIDGE BY NONLINEAR DYNAMIC SIMULATIONS
Kenji KOSA, Hidenao HAYASHI , Limin SUN , Yozo GOTO
- 0495 SEISMIC ANALYSIS OF A TRUSS-ARCH BRIDGE CROSSING THE MISSISSIPPI RIVER
Mark Aschheim, Douglas Foutch, Seung-II Nam, Wanchalearm Kornkasem, Jamshid Ghaboussi
- 0496 ANALYSIS OF SOIL-STRUCTURE INTERACTION OF MAJOR RIVER-CROSSING BRIDGES
Mark Aschheim, Douglas Foutch, Jamshid Ghaboussi, Wanchalearm Kornkasem, Seung-II Nam
- 0498 COMPOSITE SUBSTRUCTURES WITH PARTIAL SHEAR CONNECTION: LOW CYCLE FATIGUE BEHAVIOUR AND ANALYSIS ISSUES
Roberto Caldara, Oreste Bursi
- 0499 A SEISMIC DIAGNOSIS AND UPGRADING OF EXISTING STEEL FRAMED BUILDINGS
Kiichiro SAWADA, Toshimitsu TANAKA, Yuji NAKAMURA, Akira MATSUO
- 0500 DYNAMIC CHARACTERISTICS OF A R/C BUILDING OF FIVE STORIES BASED ON MICROTREMOR MEASUREMENTS AND EARTHQUAKE OBSERVATIONS
Yasutaka IRIE, Kazuya NAKAMURA
- 0501 SEISMIC RETROFIT OF URM WALLS WITH FIBER COMPOSITES
Hamid Saadatmanesh, Juan Dimas, Mohammad Ehsani
- 0504 IN PLANE SEISMIC BEHAVIOUR OF SEVERAL 1/3RD SCALED R/C BEARING WALLS - TESTING AND INTERPRETATION USING NON LINEAR NUMERICAL MODELLING
Pierre sollogoub, Didier COMBESURE, Thierry CHAUDAT, Jean-Claude Queval
- 0505 APPLICATION OF THE LOCAL TO GLOBAL APPROACH TO THE STUDY OF INFILLED FRAME STRUCTURES UNDER SEISMIC LOADING
Didier COMBESURE, Pierre PEGON
- 0512 INVESTIGATION OF THE MODELLING METHOD OF THE DAM - FOUNDATION - RESERVOIR SYSTEM
Hiroyuki WATANABE, Zengyan CAO
- 0514 THE NONLINEAR RESPONSE EMULATION ANALYSIS OF THE STOCHASTIC STRUCTURE SUBJECTED TO THE EARTHQUAKE EXCITATION
G DING, J LI
- 0518 STRUCTURAL RESPONSE OF RC PIER UNDER VERTICAL EARTHQUAKE SHOCK
Ayaho miyamoto, Klaus brandes, Satoshi katsuku, Masuhiro bepu, Nobutaka ishikawa
- 0520 CORRELATION OF NONLINEAR DISPLACEMENT RESPONSES WITH BASIC CHARACTERISTICS OF EARTHQUAKE MOTION
Toshimi KABEYASAWA, Yukiko NAKAMURA
- 0522 EVALUATION OF THE SHEAR STRENGTH OF BEAM-COLUMN JOINTS OF REINFORCED CONCRETE FRAMES SUBJECTED TO EARTHQUAKE LOADING
Cheng-Ming Lin, Jose' Restrepo
- 0524 PROBLEMS RELEVANT TO POOR DUCTILITY PROPERTIES OF EUROPEAN REINFORCING STEEL
Hugo Bachmann
- 0529 EFFECTS OF NON PROPORTIONAL DAMPING ON THE SEISMIC RESPONSES OF SUSPENSION BRIDGES
Lei LOU, Quan QIN
- 0534 SEISMIC RESPONSE ANALYSIS FOR TELECOMMUNICATION TOWERS BUILT ON THE BUILDING
K Kanazawa , K Hirata
- 0536 UPGRADING OF STEEL BOX PIER UNDER CYCLIC LATERAL LOADING
D CHANG, H HSU
- 0540 DEVELOPMENT OF SEISMIC DAMAGE EVALUATION SYSTEM FOR BRIDGE STRUCTURES BY USING DAMAGE TRANSITION MODEL
Akihiko KANEYOSHI, Ayaho MIYAMOTO
- 0542 EXPERIMENTAL STUDY ON BASE ISOLATED SHELL
Kiyoshi SHINGU, Taro NIKI

INDEX BY TOPIC

06 STRUCTURAL ENGINEERING

- 0550 SIMPLIFIED METHOD OF FRAGILITY ANALYSIS OF STRUCTURES WITH NON-TRADITIONAL SEISMIC PROTECTION
S DIMOVA, K HIRATA
- 0566 SEISMIC VULNERABILITY OF OLDER SWISS R. C. BUILDINGS
Marc BADOUX, Kaspar PETER
- 0570 STRUCTURAL SYSTEMS
Patricio Bonelli
- 0579 DYNAMIC RESPONSE AND PERFORMANCE EVALUATION OF MULTISPAN HIGHWAY BRIDGES WITH DISPLACEMENT CONTROL
Jakim Petrovski, Vlado Micov
- 0581 A STUDY ON EARTHQUAKE DAMAGES OF TIMBER HOUSING AND SIMULATION BY THE THREE DIMENSIONAL VIBRATION ANALYSIS
Kenji MIYAZAWA, Katushiko KOHARA, Yoichiro OHKI
- 0585 ARRANGEMENT OF REINFORCEMENTS TO RAISE SHEAR RESISTANCE AND MAINTAIN THE DUCTILITY OF REINFORCED CONCRETE PIERS ON BRIDGES
A Hasegawa, Y Hashizume, M Kosaka, Y Shioi
- 0587 SEISMIC UPGRADING BY PRECAST CONCRETE BRACE WITH ENERGY DISSIPATING FRICTION JOINT
Yutaka Osanai, Fumio Watanabe
- 0588 PRINCIPLES AND CHARACTERISTICS OF VISCOUS DAMPING DEVICES (GYRO-DAMPER): THE DAMPING FORCES WHICH ARE HIGHLY AMPLIFIED BY CONVERTING THE AXIAL MOVEMENT TO ROTARY ONE
Kensuke BABA, Yutaka INOUE, Fumiaki ARIMA, Hidetsugu KURODA
- 0593 SEISMIC BEHAVIOR OF HIGH STRENGTH RC COLUMNS
D Galeota, M Giammatteo, G Beolchini, M Zulli
- 0596 3-D ANALYSIS OF A RC FRAME-WALL BUILDING DAMAGED IN THE 1995 HYOOKEN-NANBU EARTHQUAKE
Hiroshi HIBINO, Kangning LI, Kazuhiko ISHIBASHI, Tetsuo KUBO
- 0598 RESPONSE OF BASE ISOLATED STRUCTURE IN CHAOTIC DYNAMIC SYSTEM UNDER EARTHQUAKE MOTION WITH LARGE AMPLITUDE
Shuichi ASAYAMA, Masato AIZAWA
- 0609 APPLICATION OF THE CAPACITY SPECTRUM METHOD TO R.C. BUILDINGS WITH BEARING WALLS
Kaspar PETER, Marc BADOUX
- 0612 RELIABILITY ASSESSMENT OF TIMBER SHEAR WALLS UNDER EARTHQUAKE LOADS
Greg Foliente, Naohito Kawai, Phillip Paevere, Taiki Saito
- 0619 MEASUREMENT OF DYNAMIC RESPONSE OF ARCH DAMS INCLUDING INTERACTION EFFECTS
Bruce Redpath, Robert Hall, Yusof Ghanaat
- 0623 STUDY ON THE IMPROVEMENT OF ON-LINE TEST APPLYING THE LINEARLY INTERPOLATION METHOD
Kenji KABAYAMA
- 0634 DYNAMIC AND PSEUDODYNAMIC RESPONSES IN A TWO-STOREY BUILDING RETROFITTED WITH RATE-SENSITIVE RUBBER DISSIPATORS
Georges MAGONETTE, Guido VERZELETTI, Javier MOLINA, Fabio TAUCER
- 0636 CYCLIC BEHAVIOR OF A SECOND GENERATION DUCTILE HYBRID FIBER REINFORCED POLYMER (D-H-FRP) FOR EARTHQUAKE RESISTANT CONCRETE STRUCTURES
Harry HARRIS, Frank KO, Francis HAMPTON, Stephen MARTIN
- 0640 INFLUENCE OF THE ELASTO-PLASTIC BEHAVIOR OF COLUMN BASES ON THE ULTIMATE EARTHQUAKE RESISTANCE OF MULTI-STORY STEEL MOMENT FRAMES
Satoshi YAMADA
- 0641 INTERFACE SHEAR TRANSFER FOR HIGH STRENGTH CONCRETE AND HIGH STRENGTH REINFORCEMENT
Susumu KONO, Hitoshi TANAKA
- 0642 BOND-SLIP BEHAVIOR OF LONGITUDINAL REINFORCING BARS CONFINED WITH FRP SHEETS
Kazunari MATSUNO, Susumu KONO, Tetsuzo KAKU
- 0644 DAMPING CHARACTERISTICS OF RC SHEAR WALL IN THE WEAK NONLINEAR RANGE
Katsuya IGARASHI
- 0645 BIDIRECTIONAL SHAKING TABLE TESTS OF A ONE-FOURTH SCALE REINFORCED CONCRETE SPACE FRAME
Hajime HAGIWARA, Takashi NAKAYAMA, Katsuya IGARASHI
- 0648 RETROFITTING METHOD OF EXISTING REINFORCED CONCRETE BUILDINGS USING ELASTO-PLASTIC STEEL DAMPERS
Mitsuo SAKAMOTO, Jun AGAMI, Norihide KOSHIKA, Yasushi KUROKAWA, Norio SUZUKI, Akihiro KUNISUE
- 0649 SEISMIC RESPONSES OF STRUCTURES SUBJECTED TO INCIDENT INCOHERENT WAVES CONSIDERING A LAYERED MEDIA WITH IRREGULAR INTERFACES
Katsuhisa KANDA

INDEX BY TOPIC

06 STRUCTURAL ENGINEERING

- 0658 SEISMIC HAZARD AND DESIGN BY USING ENERGY FLUX
Erdal SAFAK, Steve HARMSEN
- 0660 CYCLIC PERFORMANCE AND RETROFIT DESIGN OF PRE-NORTHRIDGE STEEL MOMENT CONNECTION WITH WELDED HAUNCH
Qi-Song Yu, Chia-Ming Uang
- 0663 EFFECTS OF VERTICAL GROUND MOTIONS ON EARTHQUAKE RESPONSE OF STEEL FRAMES
Kuniaki UDAGAWA, Shinji YAMAZAKI, Susumu MINAMI, Hiroaki MIMURA
- 0669 STUDY ON PERFORMANCE AND PRACTICAL USE OF NEW BUILDING STRUCTURAL SYSTEM WITH STEEL PLATES AND CONCRETE (PLRC TECHNIQUE): THE STRENGTH EVALUATION METHOD OF LONGITUDINAL SLIP OF THE COLUMN
Yoshiaki NAKANO, Tomoki FURUTA, Tomohiko KAMIMURA
- 0673 SEISMIC BEHAVIOUR OF R/C BRIDGE PIERS: NUMERICAL SIMULATION AND EXPERIMENTAL VALIDATION
Nelson Vila Pouca, Raimundo Delgado, Rui FARIA
- 0679 SHEAR STRENGTH AND DEFORMATION CAPACITY OF INTERIOR R/C BEAM-COLUMN JOINT SUBASSEMBLAGE
HIDEO MURAKAMI, SHIGERU FUJII, YASUHIRO ISHIWATA, SHIRO MORITA
- 0680 HYSTERESIS CHARACTERISTICS OF HIGH STRENGTH REINFORCED CONCRETE BEAMS
Shunsuke OTANI, Satoru NAGAI
- 0682 DIAGONAL TRANSFER CAPACITY OF COMPRESSIVE FORCE IN CONCRETE OF R/C COLUMNS
Koshiro NISHIMURA, Norio NAKANISHI, Katsuki TAKIGUCHI
- 0689 EXPERIMENTAL STUDY ON REINFORCED CONCRETE COLUMN STRENGTHENED WITH FERROCEMENT JACKET
Katsuki TAKIGUCHI, Abdullah
- 0693 TRI-AXIAL NON-LINEAR RESTORING FORCE MODEL OF R/C STRUCTURE USING THE THEORY OF PLASTICITY
Katsuki TAKIGUCHI, Zhilong GAO
- 0695 STUDY ON THE DAMAGES OF STEEL GIRDERS BY HYOGO-KEN NANBU EARTHQUAKE USING NONLINEAR SEISMIC RESPONSE ANALYSIS
Kiichiro YAMAHIRA, Hisanori OTSUKA
- 0696 DIAPHRAGM BEHAVIOUR OF THE FLOOR WITH PRESTRESSED BEAM AND FILLER BLOCKS
Horea MANIU, Octavian GOSA, Cornel BIA, Attila TOKES, Carmen DICO, Levente KOVACS, Alexandru DAMIAN
- 0699 AN EVALUATION METHOD OF MODAL DAMPING AND ITS APPLICATION BASED ON A FVT OF CABLE STAYED BRIDGE
Shuji UEDA, Jun-ichi SUZUMURA, Kazufumi HANADA, Makoto NAKAI, Mitsuhide YOSHIDA, Masataka NAKAMURA
- 0703 PROPOSAL AND VERIFICATION OF PULSE-SEISMIC-DESIGN FOR BUILDING STRUCTURES
K KATAGIHARA, H KAWAMURA, A TANI, H KAMISAWA, M TASAKI
- 0705 CLASSIFICATIONS OF STRUCTURAL TYPES AND DAMAGE PATTERNS OF BUILDINGS FOR EARTHQUAKE FIELD INVESTIGATION
Shigeyuki OKADA, Nobuo TAKAI
- 0707 THREE-DIMENSIONAL BEHAVIORS OF REINFORCED CONCRETE BEAM-COLUMN JOINT UNDER SEISMIC LOAD
Yoshimasa OWADA
- 0711 TESTS ON STEEL T-STUB CONNECTIONS
Roberto Leon, James Swanson
- 0715 ASSESSMENT OF SEISMIC VULNERABILITY TO OUT-OF-PLANE COLLAPSE OF MASONRY WALLS
Renato GIANNINI, Gianmarco de FELICE
- 0718 PERFORMANCE OF HIERARCHICAL FRICTION DISSIPATING JOINTS IN MOMENT RESISTING STEEL FRAMES
John Butterworth, Charles Clifton
- 0720 DYNAMIC ANALYSIS OF NAILED WOOD-FRAME SHEAR WALLS
Ario CECCOTTI, Erol KARACABEYLI
- 0725 COMPARISON OF STORY DRIFT DEMANDS OF VARIOUS CONTROL STRATEGIES FOR THE SEISMIC RESISTANCE OF STEEL MOMENT FRAMES
H. Smith, Scott Breneman, Luciana Barroso
- 0726 A RATIONAL DYNAMIC ANALYSIS PROCEDURE FOR THE DAMAGE CONTROLLED STRUCTURES (DCS)
Akira WADA, Hiroyuki NAKAMURA, Yi-Hua HUANG
- 0728 INVESTIGATION ON THE LOAD TRANSFER MECHANISM FOR THE JOINT OF REINFORCED CONCRETE COLUMN AND STEEL BEAM
Li Hyung LEE, Seung Hun KIM, Sang Whan HAN
- 0732 A RATIONAL MODEL FOR REINFORCED CONCRETE MEMBRANE ELEMENTS SUBJECTED TO SEISMIC SHEAR
Marc Gerin, Perry Adebar
- 0734 DYNAMIC ASSESSMENT OF THE REDUCTION OF RIGIDITY OF AGED RC BRIDGES
Hiroaki EDAMOTO, Fujio IMAI, Takao NAKAZAWA, Rihong ZHANG, Nario SHINNISHI

INDEX BY TOPIC

06 STRUCTURAL ENGINEERING

- 0736 THE SEISMIC PERFORMANCE OF REINFORCED CONCRETE WIDE BAND BEAM CONSTRUCTION
John STEHLE, Kamiran ABDOUKA, Helen GOLDSWORTHY, Priyan MENDIS
- 0738 EVALUATION OF PERFORMANCE OF MULTI-SUSPENDED PENDULUM ISOLATION (MPI) SYSTEM WITH SPATIAL TRUSS STRUCTURE.
Michio KURAMOCHI, Haruo KURAMOCHI, Ryosuke NARITA, Teiji KOJIMA, Takashi TORIYA, Naomi KITAYAMA, Tsuyoshi OHTSUKA
- 0739 THE ANALYTICAL ACCURACY OF AUTHORS' THREE MACROSCOPIC MODELS OF RC FRAMED SHEAR WALLS USING FIVE HUNDRED AND SEVENTY THREE SPECIMENS.
Masao TAKEHARA, Michika OKABE, Norikazu ONOZATO, Makoto Makoto
- 0742 THE PROPOSAL OF AN ASEISMIC REINFORCEMENT METHOD OF RC FRAME STRUCTURES BY PRECAST- PRESTRESSED CONCRETE FRAMED SHEAR WALLS AND ITS EXPERIMENTAL VERIFICATION
Takashi TORIYA, Makoto MOCHIZUKI, Haruo KURAMOCHI, Atsushi NARA
- 0743 NONLINEAR CHARACTERISTICS OF CONFINED MASONRY WALL WITH LATERAL REINFORCEMENT IN MORTAR JOINTS
Fumitoshi KUMAZAWA, Masaaki OHKUBO
- 0744 SEISMIC DESIGN OF A SUPER FRAME STRUCTURAL SYSTEM WITH PASSIVE ENERGY DISSIPATION DEVICES
Tadashi SUGANO, Yukihiko OMIKA, Jun OHKAWA, Toshiyuki YOSHIMATSU, Yasukazu TSUJI, Yukimasa YAMAMOTO
- 0746 ASSESSING SEISMIC PERFORMANCE OF COMPOSITE (RCS) AND STEEL MOMENT FRAMED BUILDINGS
Gregory Deierlein, Sameh Mehanny
- 0747 CYCLIC LOADING BEHAVIOR OF A PERFORATED UNREINFORCED MASONRY WALL MODEL
Cornel BIA, Maria IRIMIES
- 0749 A STUDY ON USE OF SEVERED REINFORCING BARS TO IMPROVE FLEXURAL DUCTILITY OF RC COLUMNS
Hisato HOTTA, Kentaro WAKIMOTO
- 0754 OPTIMUM DESIGN METHOD FOR HIGH-RISE BUILDING FRAME WITH VISCOUS DAMPERS
Masaaki TSUJI, Koji UETANI, Yasuyuki NAGANO, Makoto OHSAKI
- 0755 EXPERIMENTAL RESEARCH ON INTELLIGENT ACTIVE CONTROL OF BUILDING STRUCTURES BY FUZZY OPTIMAL LOGIC
H KAWAMURA, M NISHIHATA, S RYU, K NISHIMURA, A TANI
- 0758 SEISMIC UPGRADE FOR REINFORCED CONCRETE COLUMNS BY STRENGTHENING THE CROSS SECTIONAL CENTER
Hidetō OMINE, Keiichi HIROSE, Yasuo TANAKA, Iichiro SADAMURA, Hammi YASHIRO
- 0764 SEISMIC DESIGN OF A BASE ISOLATED BUILDING IN THE VICINITY OF A HYPOTHETICAL M8 EARTHQUAKE IN SUBDUCTION ZONE
Yoshiaki HIASDA, Yoe MASUZAWA, Saburoh MIDORIKAWA, Hiroaki YAMANAKA, Shouichi YAMAGUCHI, Mitsukazu KIMURA, Toshiyuki NAKAZAWA, Tsunehisa KOUNO, Tsuguhisa NISHIMURA
- 0772 REINFORCED CONCRETE UNDER CYCLIC LOADING
Joaquim Barros, José Cruz, Raimundo Delgado, Aníbal Costa
- 0775 SEISMIC ANALYSIS AND DYNAMIC TESTING OF A SPILLWAY RADIAL GATE
Colin Taylor, Wendy Daniell
- 0779 BEHAVIOUR COEFFICIENT ASSESSMENT FOR SOFT STOREY STRUCTURES
Rita Bento, João Azevedo
- 0781 INELASTIC EARTHQUAKE RESPONSE OF BUILDINGS SUBJECTED TO TORSION
Stavros Anagnostopoulos, Kyriakos Stathopoulos
- 0782 MODELLING THE SEISMIC BEHAVIOUR OF BRIDGES WITH VISCOUS DAMPERS
Luís Guerreiro, Francisco Virtuoso, João Azevedo
- 0798 ASPECTS OF CONCRETE DAMS RESPONSES TO NEAR-FIELD GROUND MOTIONS
Tatsuo Ohmachi, Abdolrahim Jalali
- 0801 NUMERICAL INVESTIGATION OF THIN UNSTIFFENED STEEL PLATE SHEAR WALLS
Helmut Prion, Carlos Ventura, Mahmoud Rezai
- 0803 STUDY ON MODELING OF STEEL RIGID FRAME BRIDGE FOR DYNAMIC ELASTO-PLASTIC ANALYSIS
Masaru NARITOMI, Osamu ISHIBASHI, Masahide KAWAKAMI, Tsutomu YOSHIZAWA
- 0804 AN EVOLUTIONARY HYBRID CONTROL SYSTEM OF BUILDING STRUCTURES BY FUZZY AND GA LOGIC
H KAWAMURA, T MITSUI, A TANI, J YAO, S RYU
- 0806 CORRELATION BETWEEN NONLINEAR RESPONSE OF BRIDGE PIERS AND NATURAL-PERIOD-DEPENDENT SPECTRUM INTENSITY
Takeshi KITAHARA, Yoshito ITOH
- 0809 APPLICATIONS OF HIGH STRENGTH CONCRETE IN SEISMIC REGIONS
C PANAGOPOULOS, P MENDIS

INDEX BY TOPIC

06 STRUCTURAL ENGINEERING

- 0810 A NEW COMPUTER PROGRAM FOR THE SEISMIC ANALYSIS OF ARCH DAMS INCLUDING JOINT NONLINEARITY AND FLUID-STRUCTURE INTERACTION
Benedikt Weber, Hugo Bachmann
- 0813 EXPERIMENTAL EVALUATION OF RESERVOIR LEVEL EFFECTS ON THE DYNAMIC PROPERTIES OF A LARGE ARCH DAM
Patrick PAULTRE, Julien RHEAULT, Jean PROULX
- 0814 SEISMIC RESPONSE OF 3-D STEEL BUILDINGS WITH CONNECTION FRACTURES
Yi-Kwei Wen, Chi-hsiang Wang
- 0816 USE OF HIGH-YIELD STRENGTH MATERIALS IN SEISMIC ZONES: A STRATEGIC APPROACH
Patrick Paultre, Frederic Légeron, Charles Savard
- 0821 ENVELOPES FOR SEISMIC RESPONSE VECTORS IN NONLINEAR STRUCTURES
Charles Menun, Armen Der Kiureghian
- 0822 THE EFFECTS OF LOADING VELOCITY ON ELASTO-PLASTIC BEHAVIOR OF REINFORCED CONCRETE FRAMED SHEAR WALLS WITH AN OPENING
Masayuki ONO, Fumiya EZAKI
- 0833 ELASTIC-PLASTIC BEHAVIOR OF BUILDING STEEL FRAME WITH STEEL BEARING WALL WITH SLITS
Toko HITAKA, Chiaki MATSUI, Keigo TSUDA, Yoshihide SADAKANE
- 0835 A NOVEL EXPERIMENTAL SETUP TO MODEL EARTHQUAKE EXCITED ELASTIC-PLASTIC STRUCTURES
Christoph ADAM, Rudolf HEUER, Franz ZIEGLER, Markus HOCHRAINER
- 0837 A STUDY ON ALLOWANCE LIMITS OF RATIO OF HEIGHT TO WIDTH FOR FRICTION-SLIDING BASE-ISOLATED MASONRY BUILDING
Suyan Wang, Hongnan Li, Junhui Jia
- 0839 DAMAGING PROPERTIES OF GROUND MOTIONS AND RESPONSE BEHAVIOR OF STRUCTURES BASED ON MOMENTARY ENERGY RESPONSE
Norio HORI, Tomoya IWASAKI, Norio INOUE
- 0843 DEVELOPMENT OF A REAL-TIME HYBRID EXPERIMENTAL SYSTEM USING A SHAKING TABLE
Masahiko INOUE, Takao KONNO, Toshihiko HORIUCHI
- 0847 APPLICATION OF A COMPREHENSIVE APPROACH FOR THE PERFORMANCE-BASED EARTHQUAKE-RESISTANT DESIGN OF BUILDINGS
Vitelmo Bertero, Raul Bertero
- 0850 STEEL FRAME CONNECTION TECHNOLOGY OF THE NEW MILLENNIUM: SATISFYING HEIGHTENED PERFORMANCE EXPECTATIONS WITH SIMPLICITY AND RELIABILITY AT LOW COST
DAVID HOUGHTON
- 0851 STATIC AND DYNAMIC LOADING TESTS OF BRACKET COMPLEXES USED IN TRADITIONAL TIMBER STRUCTURES IN JAPAN
Kaori FUJITA, Yoshimitsu OHASHI, Masahiko KIMURA, Isao SAKAMOTO
- 0857 DESIGN AND ANALYSIS OF A BUILDING WITH THE MIDDLE-STORY ISOLATION STRUCTURAL SYSTEM
T TERAMOTO, K MURAKAMI, H KITAMURA, H OZAKI
- 0859 EFFECT OF THE TORSIONAL MOMENT ON THE SHEAR STRENGTH OF REINFORCED CONCRETE COLUMNS DUE TO ECCENTRIC JOINTING OF BEAM TO COLUMN
Jiandong ZHOU, Masaya HIROSAWA, Tatsuya KONDO, Yasushi SHIMIZU
- 0868 RESEARCH AND DEVELOPMENT OF RESPONSE-CONTROL RETROFITTING TECHNIQUES BY MEANS OF FRICTION DAMPER
Hideaki AGETA, Mitsukazui NAKANISHI, Keiji KITAJIMA, Hiromi ADACHI
- 0869 PSEUDO-DYNAMIC TEST ON REINFORCED CONCRETE FRAME RETROFITTED WITH DAMPER
Hideaki AGETA, Mitsukazu NAKANISHI, Keiji KITAJIMA, Hiromi ADACHI
- 0872 EVALUATION OF SEISMIC DIAGNOSIS OF AQUEDUCT LINES USING NON-LINEAR DYNAMIC ANALYSIS
Shusaku KAWAGUCHI, Takashi TAKEUCHI, Hisanori OTSUKA, Yoji MIZUTA, Tetsuya NONAKA
- 0877 SEISMIC PERFORMANCE OF WOODEN SHEAR WALLS ON DYNAMIC CONDITION
Masashi MIYAMURA, Chikahiro MINOWA, Nobuyoshi YAMAGUCHI
- 0885 AN ECONOMICAL STRUCTURAL SYSTEM FOR WIND AND EARTHQUAKE LOADS
Furn Li Lee, Chiew Hui Yu, Thambirajah BALENDRA
- 0891 STRENGTHENING EFFECTS OF RC COLUMNS USING THIN STEEL SPIRAL TUBE
Tatsumi SATO, Ben WADA, Koichi MINAMI
- 0896 INFLUENCE OF BUCKLING OF LONGITUDINAL REBARS IN FINITE ELEMENT MODELLING OF REINFORCED CONCRETE STRUCTURES SUBJECTED TO CYCLIC LOADING
A Attolico, S Biondi, M Petrangeli, C Nuti

INDEX BY TOPIC

06 STRUCTURAL ENGINEERING

- 0899 EARTHQUAKE DESIGN AND CONSTRUCTION OF TALL COMPOSITE BRIDGE PIERS
T Kato, Y Takahashi
- 0900 THE TEST METHODOLOGY TO EVALUATE ULTIMATE EARTHQUAKE RESPONSE OF AN NPP BUILDING USING EARTHQUAKE GROUND MOTION BY BLASTING
TETSUO KUBO , YOSHIO KITADA, MASAMITSU KINOSHITA , KAZUO SEO , TAKAAKI KONNO
- 0907 ANALYSIS OF A NON-PROPORTIONALLY DAMPED BUILDING STRUCTURE WITH ADDED VISCOELASTIC DAMPERS
Chang-Yong Lee, Jinkoo Kim
- 0908 DYNAMIC ANALYSIS OF LIQUID-TANK-SOIL SYSTEM USING BE-FE-BE COUPLING
KyoungHwan CHO, MoonKyum KIM, YunMook LIM, SungYong CHO
- 0909 THE ENGINEERING THEORY AND COMPUTATION METHOD FOR DESIGNING ISOLATION SYSTEM OF RUBBER BEARING AND ITS COMPOSITE DEVICES
Xiyuan Zhou, Donghui Ma, Demin Zeng, Miao Han
- 0921 REAL TIME TESTING OF REINFORCED INFILLS
Paolo CONTRI, Ramiro SOFRONIE, Emília JUHÁSOVÁ
- 0923 STUDY ON INVERSE PROBLEM IN STRUCTURAL DAMAGE IDENTIFICATION
J. LI, J. chen
- 0929 DYNAMIC DESIGN PROCEDURE FOR THE DESIGN OF BASE ISOLATED STRUCTURES LOCATED ON THE MEXICAN PACIFIC COAST
Arturo TENA-COLUNGA, Omar VILLEGAS-JIMÉNEZ
- 0937 DYNAMIC-RESPONSE CHARACTERISTICS OF STRUCTURES WITH MICROPILE FOUNDATION SYSTEM
FUSANORI MIURA, ETURO SAITO, TAKAHIRO KISHISHITA
- 0944 THEORETICAL CRACK ANGLE IN REINFORCED CONCRETE ELEMENTS SUBJECTED TO STRONG EARTHQUAKES
Jang Hoon KIM, John MANDER
- 0948 PRECAST CONCRETE CONSTRUCTION SYSTEM OF FOOTING BEAMS FOR PRECAST CONCRETE WALLED STRUCTURES
Katsumi KOBAYASHI, Yusaku ARAI, Fumitaka IKADAI
- 0952 DYNAMIC BEHAVIOR IN LONGITUDINAL DIRECTION OF SHIELD TUNNEL LOCATED AT IRREGULAR GROUND WITH CONSIDERING EFFECT OF SECONDARY LINING
Chuan HE, Atsushi KOIZUMI
- 0957 3D BEHAVIOR OF SHOTCRETED LIGHT WEIGHT PANEL BUILDINGS
Faruk KARADOĞAN, Ercan YUKSEL, Arda BALCI, Waiel MOURTAJA, Alper Ilki
- 0958 CORRELATION OF EXPERIMENTAL AND ANALYTICAL RESPONSES OF A 1:12 SCALE 10-STORY REINFORCED CONCRETE FRAME HAVING NONSEISMIC DETAILS
Kyi-Yong KANG, Han-Seon LEE
- 0962 SEISMOISOLATION FOR UPGRADING OF AN EXISTING HISTORICAL BUILDING IN IRKUTSK-CITY, SIBERIA-RUSSIA
Jacob EISENBERG, Fu Lin ZHOU, Yoe CHUNG, Anatoliy NIKITIN, Vladimir SMIRNOV
- 0965 EXPERIMENTAL STUDY ON THE VALIDITY OF REAL-TIME HYBRID VIBRATION EXPERIMENTS WITH A 2-DIMENSIONAL AND 3-DEGREES-OF-FREEDOM MODEL
Hiroshi KOBAYASHI, Keiichi TAMURA
- 0967 EARTHQUAKE RESPONSE OF CONCRETE GRAVITY DAMS BY COMBINATION OF FINITE ELEMENT AND BOUNDARY INTEGRAL FORMULATIONS
Vahid LOTFI, Mohammad SHARGHI
- 0972 RESPONSE OF MODEL STRUCTURE UNDER SIMULATED BLAST-INDUCED GROUND EXCITATIONS
Yingxin Zhou, Guowei Ma, Hong Hao, Yong Lu
- 0973 A METHOD TO MODELIZE THE OVERALL STIFFNESS OF A BUILDING IN A STICK MODEL FITTED TO A 3D MODEL
Marc LEBELLE
- 0974 SEISMIC-RESISTANT BEHAVIOR OF MINOR REINFORCED CONCRETE FRAMES WITH MASONRY INFILL WALLS
A MOLINA, M LAFUENTE, C GENATIOS
- 0977 POSTERIOR TIMESTEP ADJUSTMENT TECHNIQUE IN SUBSTRUCTURING PSEUDODYNAMIC TEST
Waon-Ho YI , Li-Hyung LEE, Yoshiaki NAKANO, Koichi KUSUNOKI
- 0980 STRENGTHENING OF MONOLITHIC BUILDINGS DAMAGED BY SEVERE EARTHQUAKES
Alexander KIRPY
- 0981 PASSIVE CONTROL OF BUILDING FRAMES BY MEANS OF LIQUID DAMPERS SEALED BY VISCOELASTIC MATERIAL
Shigeya KAWAMATA, Yoshiro ITOH, Naoki FUNAKI
- 0982 SEISMIC BEHAVIOR OF R/C SHORT COLUMNS CONFINED Laterally BY A STEEL SQUARE TUBE
Kenji KIKUCHI, Akihiro KUMAMOTO, Masayuki KUROI, Koji YOSHIMURA

INDEX BY TOPIC

06 STRUCTURAL ENGINEERING

- 0983 SEISMIC SAFETY OF EXISTING CONCRETE MASONRY GARDEN WALLS
Hideko NONAKA, Koji YOSHIMURA, Kenji KIKUCHI, Tomoyuki KAJIMURA, Yoichi MORISHITA
- 0984 EFFECT OF WALL REINFORCEMENTS, APPLIED LATERAL FORCES AND VERTICAL AXIAL LOADS ON SEISMIC BEHAVIOR OF CONFINED CONCRETE MASONRY WALLS
Kenji KIKUCHI, Masayuki KUROKI, Lizhen LIU, Lin MA, Koji YOSHIMURA
- 1009 SEISMIC HAZARD, SEISMIC RISK, PRINCIPLES OF OPTIMIZATION OF REHABILITATION OF EXISTING DWELLING STOCK BUILDINGS
Rustam IBRAGIMOV, Shamil KHAKIMOV
- 1010 IDENTIFICATION OF STRUCTURAL DEGRADATION BY TIME-FREQUENCY SYSTEM ANALYSIS
Akira SONE, Arata MASUDA
- 1011 EFFECT OF SHEAR REINFORCEMENT ON FAILURE MODE OF RC BRIDGE PIERS SUBJECTED TO STRONG EARTHQUAKE MOTIONS
Atsuhiko MACHIDA, Khairy Abdelkareem
- 1014 STUDY ON A METHOD TO IDENTIFY EXTERNAL FORCES AND DAMPING PARAMETERS OF STRUCTURE FROM RANDOM RESPONSE VALUES
D INABA, T MATSUYAMA, E MARUTA, M KANDA
- 1016 EFFECTS OF VARIOUS BEAM-BAR ANCHORAGES ON THE STRENGTH AND DEFORMATION OF PRECAST REINFORCED CONCRETE BEAM-COLUMN JOINTS
Toshio MATSUMOTO, Hiroshi NISHIHARA
- 1017 EFFECT OF BEAM AXIAL DEFORMATION ON COLUMN SHEAR IN REINFORCED CONCRETE FRAMES
Toshimi KABEYASAWA, Yasushi SANADA, Masaki MAEDA
- 1020 EXPERIMENTAL STUDY ON HYSTERETIC DAMPER WITH LOW YIELD STRENGTH STEEL UNDER DYNAMIC LOADING
Tadaki KATAYAMA, Shigeki ITO, Hisaya KAMURA, Takuya UEKI, Haruhito OKAMOTO
- 1024 RESTORING FORCE MODEL OF RC COLUMN SUBJECTED TO DYNAMICALLY VARYING AXIAL FORCE
Motoo SAISHO, Kazuya SUDA
- 1026 EFFECT OF THE AXIAL FORCE AND OF THE VERTICAL GROUND MOTION COMPONENT ON THE SEISMIC RESPONSE OF R/C FRAMES
P DIOTALLEVI, L LANDI
- 1028 STRUCTURAL CAPACITIES OF H-SHAPED RC CORE WALL SUBJECTED TO LATERAL LOAD AND TORSION
Takamasa NISHIOKA, Takashi MIYASHITA, Norio SUZUKI, Makoto MARUTA
- 1030 SEISMIC BEHAVIOUR OF EXISTING MOMENT-RESISTING FRAMES WITH PLAIN ROUND REINFORCING BARS DESIGNED TO PRE-1970S CODES
Aizhen LIU, Robert PARK
- 1048 EXPERIMENTAL EVALUATION OF NEW FRICTION DAMPER DEVICE
Imad Mualla
- 1052 STATE-OF-THE-ART APPLICATIONS OF PASSIVE ENERGY DISSIPATORS
S H. Kit MIYAMOTO
- 1056 GROUND MOTION CHARACTERISTIC EFFECTS ON MULTISTOREY STEEL FRAME RESPONSE
Gregory MACRAE, David FIELDS, Joshua MATTHEIS
- 1058 THE SEISMIC DESIGN AND PERFORMANCE OF REINFORCED CONCRETE BEAM-COLUMN KNEE JOINTS
Leslie MEGGET
- 1060 ANALYSIS OF EARTHQUAKE SAFETY OF A LARGE ARCH DAM
Radivoje Mrdak, Miodrag Sekulovic, Radenko Pejovic
- 1061 APPLICATIONS OF QUASI-OPTIMIZING CONTROL METHOD FOR ASEISMIC STRUCTURAL RESPONSE CONTROL SYSTEM
Yutaka INOUE, Atsushi KUBO, Yoichi MUKAI, Shogo KAWASAKI, Eizaburo TACHIBANA
- 1066 THE INFLUENCE OF DYNAMIC SOIL-STRUCTURE INTERACTION ON THE SEISMIC DESIGN AND PERFORMANCE OF AN ETHYLENE TANK
M Willford, J Pappin, Z Lubkowski
- 1069 A STUDY ON ASEISMIC VERIFICATION AND RETROFIT METHODS FOR AN ELEVATED WATER TANK AGAINST STRONG EARTHQUAKES
Ryoichi FUJITA, Kiyoshi YASUGI, Ryoji ISOYAMA, Yuichi HAYASHI, Atsushi MORI, Kenji NIWA
- 1070 SUPER-FEM FOR ANALYSIS OF INELASTIC RESPONSE OF TALL STEEL BUILDINGS SUBJECTED TO EARTHQUAKES
Guo-Qiang LI, Jian FENG
- 1071 SEISMIC ANALYSIS OF VERTICAL CYLINDRICAL TOWERS IN ICE-COVERED SEAS
Yasuo TANAKA, Masashi INOUE, Takuji HAMAMOTO

INDEX BY TOPIC

06 STRUCTURAL ENGINEERING

- 1072 SEISMIC BEHAVIOR OF STEEL-CONCRETE COMPOSITE COLUMN BASES
Junichi SAKAI, Chiaki MATSUI, Tao LI
- 1073 SEISMIC DESIGN OF BRIDGES: THE INFLUENCE OF TWO DIMENSIONAL SITE RESPONSE
Geoffrey MARTIN, Ping QIU
- 1075 EFFECTS OF AXIAL FORCE ON DEFORMATION CAPACITY OF STEEL ENCASED REINFORCED CONCRETE BEAM-COLUMNS
Chiaki MATSUI, Li LI
- 1076 STRUCTURAL CONTROL OF A HIGH ARCH DAM
Gao Lin, Shichun CHI, Zhiqiang HU
- 1081 THE BEHAVIOR OF REINFORCED CONCRETE PIERS UNDER STRONG SEISMIC ACTIONS
Luca MARTINELLI
- 1082 SIMULATION OF COLLAPSE OF RC BUILDING SUBJECTED TO SEISMIC LOADS
Masaki MAEDA
- 1087 SUGGESTED IMPROVEMENTS TO PERFORMANCE-BASED SEISMIC GUIDELINES
Joe Maffei
- 1090 RESTORING FORCE CHARACTERISTICS AND MODEL OF HIGH-STRENGTH CONCRETE FILLED, STEEL TUBE COLUMN
Teruo Matsuyama, Motoo SAISHO
- 1091 NON-LINEAR SEISMIC RESPONSE OF A PWR-TYPE REACTOR BUILDING SIMULATED BY A 3-D FEM MODEL
Hideo NAMBA, Noboru MAEDA, Seiya KATAYAMA, Minoru FUSHIMI, Takehiko KITANO, Yasuhiro KASUGA, Sadatomo ONIMARU, Atsushi KAMBAYASHI
- 1093 PUSHOVER ANALYSIS FOR ASYMMETRIC AND SET-BACK MULTI-STORY BUILDINGS
A. MOGHADAM, W. K. TSO
- 1098 BOUNDARY EFFECTS IN STEEL MOMENT CONNECTIONS
Kyoung-Hyeog LEE, Bozidar STOJADINOVIC, Subhash GOEL
- 1100 COST EFFECTIVENESS OF SEISMIC ISOLATION FOR BRIDGES IN LOW AND MODERATE SEISMIC REGIONS
Dong-Ho HA, Hyun Moo KOH, Junho SONG
- 1103 IDENTIFICATION OF ANTI-RESONANCE FREQUENCY IN BUILDINGS BASED ON VIBRATION MEASUREMENTS
Nai-Chi LIEN, George YAO
- 1105 AN EXPERIMENTAL STUDY ON THE ROTATIONAL AND VERTICAL LOAD-CARRYING CHARACTERISTICS OF RUBBER BEARINGS
Hisayoshi ISHIBASHI, Osamu CHIBA, Eiichi INAI, Shinichi IIZUKA, Satsuya SODA, Hiroyuki YAMANOUCI, Takafumi MIYAMA, Yasumasa KATO
- 1109 COLUMN-TO-BEAM STRENGTH RATIO REQUIRED FOR ENSURING BEAM-COLLAPSE MECHANISMS IN EARTHQUAKE RESPONSES OF STEEL MOMENT FRAMES
Shinichi SAWAIZUMI, Masayoshi NAKASHIMA
- 1110 ANALYSIS OF NON-STATIONARY RESPONSE OF STRUCTURES DUE TO SEISMIC RANDOM PROCESSES OF EVOLUTIONARY TYPE
Jirí NÁPRSTEK, Cyril FISCHER
- 1111 REDUCED RESIDUAL DISPLACEMENTS OF PARTIALLY PRESTRESSED CONCRETE BRIDGE PIERS
Wael ZATAR, Hiroshi MUTSUYOSHI
- 1115 THE RION ANTIRION BRIDGE DESIGN AND CONSTRUCTION
Jean-Paul TEYSSANDIER, Jacques COMBAULT, Pierre MORAND
- 1118 A MASONRY SCHOOL BUILDING RETROFITTED BY BASE ISOLATION TECHNOLOGY
Kunio KATAOKA, Matsutaro SEKI, Masaaki MIYAZAKI, Yasuhiro TSUNEKI
- 1119 DAMAGED MASONRY STRUCTURES AND THEIR RESIDUAL SHEAR CAPACITY BY FRICTION EFFECT
DAN OLARU
- 1122 ANALYSIS OF SEISMIC RECORDS OBTAINED IN ISOLATED STRUCTURES
Rubén BOROSCHEK, Mauricio SARRAZIN, Ofelia MORONI, Rubén VALDEBENITO, David ROMO
- 1123 SEISMIC BEHAVIOR QUALIFICATION METHODOLOGY FOR CONFINED MASONRY BUILDINGS
Maximiliano ASTROZA, María Ofelia MORONI, Carlos SALINAS
- 1124 MIXED STEEL-BRICK STRENGTHENING SYSTEM FOR DAMAGED MASONRY STRUCTURES
CONSTANTIN MITROI, DAN OLARU
- 1129 TORSIONAL RESPONSE OF RC BUILDINGS RETROFITTED WITH STEEL FRAMED BRACES
Yoshiaki NAKANO, Yasumichi HINO, Koichi KUSUNOKI
- 1130 SEISMIC CAPACITY OF EXISTING RC SCHOOL BUILDINGS IN OTA CITY, TOKYO, JAPAN
Tsuneo OKADA, Yoshiaki NAKANO, Toshio OHBA, Shigeru TAKADA, Yoshimasa OWADA, Hideo KIMURA

INDEX BY TOPIC

06 STRUCTURAL ENGINEERING

- 1131 SEISMIC RETROFIT OF RC SCHOOL BUILDINGS USING POST-INSTALLED WALLS WITH OPENINGS
Tsutomu OHTA, Shigeru TAKADA, Hideki OKUMURA, Yoshiaki NAKANO, Etsuo NIINO, Tsuneo OKADA
- 1136 ENERGY AND DISPLACEMENT DEMANDS IMPOSED BY NEAR-SOURCE GROUND MOTIONS
Rodolfo SARAGONI, Fabrizio MOLLAIOLO, Luis DECANINI
- 1144 IMPROVED DEPLOYMENT OF FRICTION DAMPERS IN ASYMMETRIC MULTI-STORY BUILDINGS
H BEDAIR, O PEKAU, B DASGUPTA
- 1149 OPTIMUM DESIGN OF ENERGY DISSIPATION BRACES IN R/C FRAME STRUCTURES
Fulin ZHOU, Qiaoling XIAN
- 1154 PERFORMANCE VALIDATION OF LARGE SEISMIC RESPONSE MODIFICATION DEVICES
Dorie Mellon, Andre Filiatrault, Gianmario Benzoni, Frieder Seible, Tom Post
- 1158 SEISMIC RESPONSE OF YIELDING SYSTEMS UNDER THREE COMPONENT EARTHQUAKES
Marina COMO, Mario DE STEFANO, Roberto RAMASCO
- 1171 CONSIDERATION OF VERTICAL ACCELERATION AND FLEXIBILITY OF CONNECTIONS ON SEISMIC RESPONSE OF STEEL FRAMES
Alfredo REYES-SALAZAR, Achintya HALDAR
- 1173 WELDING NEWLY DEVELOPED, HIGH STRENGTH, SEISMIC GRADE REINFORCING BARS
Bruce Roberts, Wolfgang Scholz
- 1176 INFLUENCE OF THE STEEL PROPERTIES ON THE DUCTILITY OF R.C. STRUCTURES
Antonio GRIMALDI, Zila RINALDI
- 1177 SEISMIC PERFORMANCE OF FLAT-SLAB SHEAR REINFORCEMENT
Ian Robertson, Tadashi Kawai, James Lee, Brian Enomoto
- 1178 TWO DEVELOPMENTS IN SEISMIC ISOLATION- 'CENTRE DRIVE' AND 'FRICTION BALL'
William ROBINSON
- 1185 NONLINEAR ANALYSIS OF THIN-WALL CYLINDRICAL LIQUID STORAGE RESERVOIRS UNDER SEISMIC ACTION
Branislav Pujevic, Marija Nefovska, Miodrag Sekulovic
- 1197 STUDY ON SEISMIC RESPONSE CONTROL SYSTEM FOR HEAVY, RIGID BUILDINGS OF REINFORCED CONCRETE: PART-2 INFLUENCE OF DIVERSIFICATION OF DESIGN FACTORS ON SEISMIC RESPONSE
Masayuki TAKEUCHI, Masaaki NAKAZAWA, Kiyoshi HARA, Hiroyuki SUGITA, Yasuaki FUKUSHIMA
- 1211 DETECTION OF INELASTIC EXCURSIONS IN HYSTERETIC SYSTEMS FOR CUMULATIVE DAMAGE ESTIMATION USING WAVELET TRANSFORM OF RESPONSE TIME HISTORIES
Akira STONE, Shizuo YAMAMOTO, Arata MASUDA
- 1212 CUMULATIVE DAMAGE ESTIMATION USING WAVELET TRANSFORM OF STRUCTURAL RESPONSE
Akira SONE, Ryutaro SEGAWA, Arata MASUDA, Shizuo YAMAMOTO
- 1217 EXPERIMENTAL STUDY ON SEISMIC BEHAVIOR OF REINFORCED FULLY GROUTED CONCRETE MASONRY WALLS
Akihiro TANAKA, Koji YOSHIMURA, Kenji KIKUCHI
- 1219 A STUDY ON CHARACTERISTICS OF STRUCTURAL ELASTO-PLASTIC RESPONSE BASED ON "3-D VIEW OF NONLINEAR RESPONSE SPECTRUM"
Seiya KATAYAMA, Takehito KITANO, Yoshitaka TAKEUCHI
- 1221 COMPARISON OF SEISMIC RESPONSE BETWEEN BRIDGE WITH SLIDING-TYPE BASE-ISOLATION SYSTEM AND THAT WITH LAMINATED RUBBER BEARING
Toshiyuki SUGIYAMA
- 1225 LATERAL LOAD RESPONSE OF STRENGTHENED REINFORCED CONCRETE BEAM-TO-COLUMN JOINTS
Alexander Tsonos
- 1226 PSEUDODYNAMIC TEST AND FEM ANALYSIS OF RC SHEAR WALLS
Norio INOUE, Junji OGAWA, Naofumi TERAMOTO, Carlos CUADRA
- 1228 APPLICABILITY OF LEAD RUBBER BEARINGS WITH LARGE BEARING LOAD TO BASE ISOLATED REACTOR BUILDING
Masaaki OHBA, Nobuhisa SATO, Yukio WATANABE, Eisuke TANIMOTO, Yasuaki FUKUSHIMA, Asao KATO, Genji YONEDA
- 1229 EARTHQUAKE RESPONSE OF ANCIENT FIVE-STORY PAGODA STRUCTURE OF HORYU-JI TEMPLE IN JAPAN
Koji NAKAHARA, Tadashi NAGASE, Yoshinori TAKAHASHI, Toshiharu HISATOKU
- 1232 A CONSIDERATION ON BI-AXIAL BENDING EFFECTS FOR CONTINUOUS CURVED BRIDGES
Atsushi MORI, Naoyuki TAMEHIRO
- 1233 BEHAVIOR OF FRICTION DAMPING ON SEMI-RIGID "KHORJINEE" STEEL FRAMING CONNECTION
Mohsen tehranizadeh
- 1236 PERFORMANCE BASED SEISMIC DESIGN OF BUILDING STRUCTURES WITH VISCOELASTIC DAMPERS
Yuji TAKAHASHI, Satsuya SODA

INDEX BY TOPIC

06 STRUCTURAL ENGINEERING

- 1242 SEISMIC VULNERABILITY OF OLD URBAN NUCLEI: THE CASE OF COMMERCIAL BUILDINGS
Christian Thibault
- 1244 RESIDUAL AXIAL CAPACITY AND DAMAGE RESTORABILITY OF REINFORCED CONCRETE COLUMNS AFTER EARTHQUAKE
Akira TASAI
- 1245 RESPONSE BEHAVIOR OF RC PILES UNDER SEVERE EARTHQUAKE
Hiroshi MUTSUYOSHI, Takeshi MAKI
- 1248 HYSTERETIC PERFORMANCE OF SHEAR PANEL DAMPERS OF ULTRA LOW-YIELD-STRENGTH STEEL FOR SEISMIC RESPONSE CONTROL OF BUILDINGS
Kiyoshi TANAKA, Yasuhito SASAKI
- 1249 CYCLIC STRUT AND TIE MODELLING OF SIMPLE REINFORCED CONCRETE STRUCTURES
S SRITHARAN, Nicholas TO, Jason INGHAM
- 1251 SUMMARY OF PREDICTION AND CORRELATION ANALYSES IN THE HUALIEN LARGE SCALE SEISMIC TESTS
Hiroshi TAJIMI, Hideaki SAITO, Masaaki NAKAZAWA, Toshio KOBAYASHI, Kazuhiro YOSHIDA, Toshikazu HANAZATO
- 1252 EFFECTS OF PANEL ZONE DEFORMATIONS ON CYCLIC PERFORMANCE OF WELDED MOMENT CONNECTIONS
SHANG-HSIEN HSIEH, S KONG, K LIN, K TSAI
- 1254 ADV RESPONSE SPECTRUM FOR PERFORMANCE EVALUATION OF RC BUILDING WITH/WITHOUT DAMPING DEVICES
Satsuya SODA, Yuji TAKAHASHI, Atsushi ISHIKURA
- 1269 DEVELOPMENT OF POST-NORTHRIDGE STEEL MOMENT CONNECTIONS
Subhash GOEL, Kyoung-Hyeog LEE, Bozidar STOJADINOVIC
- 1270 DEVELOPMENT OF SEISMIC ISOLATION TABLE COMPOSED OF AN X-Y TABLE AND WIRE ROPE ISOLATORS
Hirokazu SHIMODA, Kenichiro OHMATA, Haruo SHIMOSAKA, Norio NAGAI
- 1273 DYNAMIC PROPERTIES OF STRUCTURE-PILE SYSTEM USING MOCK-UP MODEL
Hiroo SHIOJIRI, Akira KASAHARA, Masataka NAKAMURA, Toshiaki ARAI, Jun-ichi SUZUMURA, Kazufumi HANADA, Hiroshi ASEGA
- 1275 SEISMIC EVALUATION AND RETROFIT OF INDUSTRIAL BUILDINGS
Otakar URBAN, Mohamed DAALI
- 1279 SHAKING TABLE TEST AND ANALYSIS ON BASE ISOLATED FBR PLANT MODEL WITH HIGH-DAMPING RUBBER BEARING
Nobuhisa SATO, Katsuhiko UMEKI, Takahiro SOMAKI, Asao KATO, Yukio WATANABE
- 1280 EARTHQUAKE RESISTANT PROPERTIES OF CORE STEEL COMPOSITE COLUMNS
Kouichi MINAMI, Chiaki MATSUI, Junichi SAKAI
- 1290 EXPERIMENTAL STUDY ON THE EFFECT OF TENSION FOR RUBBER BEARINGS
Mineo TAKAYAMA, Naoyuki IWABE, Akira WADA, Nagahide KANI
- 1293 EXTREME RESPONSE OF LINEAR STRUCTURES TO NONSTATIONARY BASE EXCITATION
Loren Lutes, Shahram Sarkani, George Michaelov
- 1294 EFFECTS OF LOADING HISTORY ON CYCLIC PERFORMANCE OF STEEL RBS MOMENT CONNECTIONS
Q Yu, C Gilton, Chia-Ming Uang
- 1295 FINITE ELEMENT ANALYSIS FOCUSED ON THE FLANGE PLATES AND CONNECTING BOLTS OF RUBBER BEARINGS
Keiko MORITA, Mineo TAKAYAMA
- 1297 A FIVE STORY PRECAST CONCRETE TEST BUILDING FOR SEISMIC CONDITIONS - DESIGN DETAILS
John Stanton, Rebecca Collins, Suzanne Nakaki, Masahiro Sugata, Joe Galusha
- 1299 A FIVE-STORY PRECAST CONCRETE TEST BUILDING FOR SEISMIC CONDITIONS - AN OVERVIEW
M. J. Nigel Priestley, Frieder Seible, Akira Igarashi, S. (Sri) Sritharan
- 1304 IMPROVED WELDED CONNECTIONS FOR EARTHQUAKE LOADING
Wolfgang Scholz, Charles Clifton
- 1305 STUDY OF EARTHQUAKE GROUND MOTION TO EXAMINE SLOSHING IN LNG INGROUND STORAGE TANKS
Takashi OKAMOTO, Osamu WATANABE, Atsushi KAMIYAI, Shigeru NAGATA
- 1306 IMPROVED LINEAR PROCEDURES FOR ANALYSIS OF STRUCTURES WITH PASSIVE ENERGY DISSIPATION DEVICES
Fahim Sadek, Michael Riley, Bijan Mohraz
- 1307 PROPERTY MODIFICATION FACTORS FOR ELASTOMERIC SEISMIC ISOLATION BEARINGS
Stephen Mahin, Gregory Fenves, Andrew Whittaker, Andrew Thompson
- 1311 INSTRUMENTING THE GOLDEN GATE BRIDGE TO RECORD SEISMIC BEHAVIOR AND TO DEPLOY RAPID INSPECTION RESPONSE
Mervin Giacomini, Charles Seim

INDEX BY TOPIC

06 STRUCTURAL ENGINEERING

- 1317 EXPERIMENTAL RESEARCH ON SHEAR STRENGTH OF SHORT REINFORCED CONCRETE COLUMNS WITH PRESTRESSED HOOPS
Yoshinori ITO, Eiji MAKITANI, Hiroshi WATANABE
- 1318 SEISMIC RESPONSE AND FAILURE MECHANISM OF FLEXIBLY SUPPORTED LIQUID STORAGE TANKS
J Habenberger, J Schwarz, C Seiler, W Wunderlich
- 1320 ESTABLISHMENT OF MATHEMATICAL MODEL FOR AN EXPERIMENTAL FULL-SCALE BUILDING WITH ACTIVE BRACING SYSTEM
Jann N. Yang, Jong-Cheng Wu, Chin-Hsiung Loh
- 1321 DAMAGES TO BEAM-TO-COLUMN JOINT PANELS OF R/C BUILDINGS CAUSED BY THE 1995 HYOGO-KEN NANBU EARTHQUAKE AND THE ANALYSIS
Tomoaki AKIYAMA, Tatsuya KONDO, Masaya HIROSAWA, Jiandong ZHOU
- 1326 ANCHORAGE BEHAVIOR OF 90-DEGREE HOOKED BEAM BARS IN REINFORCED CONCRETE KNEE JOINTS
Yasuaki GOTO, Osamu JOH
- 1328 EFFECT OF UPLIFT ON EARTHQUAKE RESPONSE OF BUILDING
Hajime TANIGUCHI, Keizo IWASHITA
- 1333 BASE ISOLATION VERSUS ENERGY DISSIPATION FOR SEISMIC RETROFITTING OF EXISTING STRUCTURES
Dragos Sarbu, Ioan Olariu, Felicia Olariu
- 1338 EARTHQUAKE-RESISTANCE OF FOUR-SPAN CONTINUOUS PC RIGID-FRAME BOX GIRDER BRIDGE
Takahiro SAKATA, Mitsuo TOKUNAGA, Takao NAKAZAWA, Ryuichi KANEMARU
- 1344 LARGE SCALE DYNAMIC FAILURE TESTS OF LOW DAMPING RUBBER BASE ISOLATORS
Masanori Iiba, Nobuo MASAKI, Chikahiro MINOWA
- 1350 INNOVATIVE APPLICATION OF DUCTILE SYSTEMS IN SEISMIC RETROFIT OF DECK-TRUSS BRIDGES
Michel BRUNEAU, Majid SARRAF
- 1351 THE MAIN FACTORS AND MECHANISM EFFECTING ON THE EARTHQUAKE RESISTANCE STABILITY OF GROTTOS RELICS AND COUNTERMEASURES
Yucheng Shi, Hongwei Cai
- 1352 EXPERIMENTAL STUDY ON STRENGTH AND DEFORMATION CAPACITY OF REINFORCED CONCRETE COLUMNS AND STEEL BEAMS STRUCTURE JOINT
Yasuhiro MATSUZAKI, Atsushi NAKADE, Hitoshi MORIMOTO, Masakazu ICHIKAWA, Jun FURUKAWA
- 1353 INELASTIC SEISMIC PERFORMANCE OF RC TALL PIERS WITH HOLLOW SECTION
Hirokazu IEMURA, Yoshikazu TAKAHASHI
- 1356 MODELING STRATEGIES FOR THREE DIMENSIONAL ANALYSIS OF PRECAST PANEL BUILDINGS UNDER SEISMIC LOAD
Serdar ASTARLIOGLU, Ali MEMARI, Andrew SCANLON
- 1357 NONLINEAR ANALYSIS OF FRAME SYSTEMS BY STATE SPACE APPROACH (SSA)
Vassil Simeonov, Andrei Reinhorn, Sivaselvan Mettupalayam (Siva)
- 1358 THE MODEL OF SEISMIC IMPACT AS A SHORT TEMPORARY PROCESS FOR CALCULATING OF SEISMOISOLATED SYSTEMS
Oleg SAKHAROV, Galina BOGDANOVA, Janna IVANOVA, Alexander UZDIN3, Angelica DOLGAYA
- 1360 NON-LINEAR EARTHQUAKE RESPONSE ANALYSIS OF PC CABLE STAYED BRIDGE CONSIDERING THE FLUCTUANT AXIAL FORCE
Kunihiro MOMOTA, Masanori SHUTO, Hisanori OTSUKA, Toshihiko ASO, Akira ARIKADO, Kazuyuki MIZUTORI
- 1362 PILE FOUNDATION FOR THE SEISMIC ISOLATION OF GIRDER BRIDGES
R CERAVOLO, G MANCINI, A DE STEFANO
- 1365 PSEUDO DYNAMIC TESTS AND IMPLEMENTATION OF SLIDING BRIDGE ISOLATORS WITH VERTICAL MOTION
Hirokazu IEMURA, Kazuhiro NAKAJIMA, Yoshikazu TAKAHASHI, Kazushi OGAWA
- 1367 PSEUDO-DYNAMIC TESTING OF UNREINFORCED MASONRY BUILDINGS WITH FLEXIBLE DIAPHRAGM
Michel BRUNEAU, Jocelyn PAQUETTE
- 1368 STRENGTHENING OF A 1902'S L-SHAPED THREE STOREY UNREINFORCED MASONRY BUILDING IN INDONESIA
Sugeng Wijanto, Takim Andriono, Iman Satyarno
- 1374 A PROPOSED METHODOLOGY FOR SEISMIC RISK EVALUATION OF HIGHWAY BRIDGES
Mohamed SOBAIH, Adel GABR
- 1378 A PROPOSED METHOD FOR EVALUATING THE TOTAL SEISMIC PERFORMANCE OF EXISTING PUBLIC BUILDINGS AND ITS VERIFICATION
Tomoaki Akiyama, Eiji Makitani, Masaya HiroSawa, Takao Takehara
- 1380 APPLICATION OF AN ESTIMATION METHOD FOR RESPONSE OF STRUCTURES BY EQUILIBRIUM OF ENERGIES
Allan SUMAYA, Taiji MAZDA, Tatsuo IRIE

INDEX BY TOPIC

06 STRUCTURAL ENGINEERING

- 1387 SEISMIC ANALYSIS OF A POST-TENSIONED PRECAST CONCRETE FRAME
John STANTON, Gregory MacRae, Masahiro SUGATA
- 1392 SEISMIC BEHAVIOR OF INDUSTRIAL FACILITIES WITH ENERGY DISSIPATORS
Rodrigo RETAMALES, Mauricio SARRAZIN, Ofelia MORONI, Felipe LOYOLA, Rubén BOROSCHEK
- 1396 SHAKING TABLE TEST AND ANALYSIS ON BASE ISOLATED FBR PLANT MODEL WITH NATURAL RUBBER BEARING
Junji SUHARA, Yukio WATANABE, Asao KATO, Masaaki OBA, Tsutomu HIROTANI, Katsuhiko UMEKI, Takahiro SOMAKI, Ryozo TANAKA
- 1405 SHAKING TABLE TEST AND ANALYSIS ON ULTIMATE CHARACTERISTICS OF LEAD RUBBER BEARING FOR BASE ISOLATED FBR PLANT MODEL
Masaaki OHBA, Yasuaki FUKUSHIMA, Masao IIZUKA, Kazuhide YOSHIKAWA, Nobuhisa SATO, Junji SUHARA, Genji Yoneda, Yasuyuki Murazumi, Asaro KATO, Yukio WATANABE, Katsuhiko UMEKI
- 1406 CALCULATION AND DESIGN PHILOSOPHY REGARDING THE WALLS OF MONOLITHIC EARTHQUAKE-PROOF BUILDINGS
Anatoli ZOLOTKOV
- 1410 SEISMIC CRACKING AND STRENGTHENING OF CONCRETE GRAVITY DAMS
Hongyuan ZHANG, Tatsuo OHMACHI
- 1411 METHOD OF MASS ISOLATION IN SEISMIC DESIGN OF STRUCTURES
Mansour Ziyaeifar
- 1412 USING A LEAD-BASED DAMPER TO INCREASE NEAR-SOURCE GROUND MOTION RESISTING CAPACITY OF EXISTING BASE-ISOLATED STRUCTURES
William ROBINSON, Jim COUSINS, John ZHAO
- 1416 SEISMIC BEHAVIOR OF CONCRETE AND STEEL COMPOSITE COLUMNS UNDER CYCLIC LOADING
Weidong LU, Xilin LU
- 1417 SEISMIC ANALYSIS AND DESIGN OF BUILDING STRUCTURES WITH SUPPLEMENTAL LEAD DAMPERS
Xi Lin, Athol Carr, Peter Moss
- 1425 DYNAMIC INTERACTION OF DEEPLY BURIED NUCLEAR POWER BUILDINGS
S YAMAMOTO, K TOGASHI, S NAKAFUSA, H KAWAMURA
- 1426 EXPERIMENTAL STUDY ON SEISMIC CAPACITY OF COMPOSITE COLUMN FORMED SRC AND RC PART
Yoshiyuki KOMIYA, Koichi MINAMI, Kazumasa SUGIYAMA, Takayuki IMAIZUMI, Ken-ichiro YAMAMOTO, Shuh KONNO
- 1431 AN UNLOADING AND RELOADING STRESS-STRAIN MODEL FOR CONCRETE CONFINED BY TIE REINFORCEMENTS
Junichi SAKAI, Kazuhiko KAWASHIMA
- 1435 EFFECT OF RESTRAINERS TO MITIGATE POUNDING BETWEEN ADJACENT DECKS SUBJECTED TO A STRONG GROUND MOTION
Kazuhiko KAWASHIMA, Gaku SHOJI
- 1437 MODELS FOR CONCRETE COVER SPALLING AND REINFORCEMENT BUCKLING OF REINFORCED CONCRETE
Junji MASUKAWA, Kumiko SUDA
- 1448 STRUT-AND-TIE MODEL CONCEPTS FOR SEISMIC DESIGN AND ASSESSMENT OF CONCRETE BRIDGE JOINTS
S. (Sri) Sritharan, M. J. Nigel Priestley, Jason M. Ingham
- 1449 A STUDY OF THE INTERACTION BETWEEN THE PIER TYPE WHARF AND CONTAINER CRANE DURING EARTHQUAKES
Susumu NAKASHIMA, Masafumi MIYATA, Takaki ETOH, Tsuyoshi TANAKA, Yuichiro TATSUMI, Shunsuke YAMAMOTO, Takahiro SUGANO, Toshiro TANABE
- 1451 A STUDY ON UNIAXIAL COMPRESSIVE STRENGTH OF PLAIN CONCRETE UNDER DYNAMIC CYCLIC LOADING
Eizaburou TACHIBANA, Toru SHIMIZU
- 1452 TEST AND ANALYSIS OF RC CURVE BEAMS UNDER REVERSED CYCLIC IN-PLANE LOADS
Yih-Houng CHEN, Chi-Huang CHEN, Maw-Shyong SHEU
- 1458 VULNERABILITY EVALUATION OF JACKETED VIADUCT USING MICROTREMOR MEASUREMENT AND NUMERICAL SIMULATION
Fumiaki UEHAN, Kimiro MEGURO
- 1459 SEISMIC RESPONSE ANALYSIS AND IN-STRUCTURE SPECTRA FOR THE REACTOR BUILDING OF LIANYUNGANG NPP IN CHINA
Pekka Iivonen, Pentti Varpasuo
- 1461 SEISMIC PERFORMANCE ASSESSMENT AND RETROFIT OF RECTANGULAR BRIDGE PIERS WITH EXTERNALLY ENCASED CIRCULAR STEEL JACKETS
Genda CHEN, Wancheng YUAN, Xinbao YANG, Lichu FAN
- 1463 APPLICATION OF OPTIMUM DESIGN METHODS TO ACTUAL HIGH-RISE BUILDING WITH HYSTERETIC DAMPERS
Yasuyuki NAGANO, I TAKEWAKI, T OKAMOTO, M TSUJI

INDEX BY TOPIC

06 STRUCTURAL ENGINEERING

- 1468 ANALYSIS OF DAMPING IN EARTHQUAKE RESPONSE OF CABLE-STAYED BRIDGES
John WILSON, Jodie ATKINS
- 1471 STRUCTURAL SYSTEM IDENTIFICATION BASED ON SUBSYSTEM ANALYSES
Akira NISHITANI, Seiji YAMADA
- 1478 FULL SCALE TESTING OF CONCRETE BEAM-COLUMN JOINTS USING ADVANCED CARBON-FIBER COMPOSITES
Kevin Womack, Marvin Halling, Robert Moyle
- 1479 RESISTING CHARACTERISTICS OF HYBRID CENTER CORE SHEAR WALL SYSTEMS
Minoru YAMADA, Takayoshi YAMAKAJI
- 1482 EFFECT OF JOINT DETAILS FOR BEHAVIOR OF MOMENT RESISTING STEEL FRAMES WITH COMPOSITE GIRDERS-TO-SHS COLUMN
Il-Seung YANG, Yasuhisa TAGAWA
- 1485 BEHAVIOR AND STRENGTH OF RC COLUMN-TO-STEEL BEAM CONNECTIONS SUBJECTED TO SEISMIC LOADING
Gustavo Parra-Montesinos, James Wight
- 1493 SHEAR TRANSFER MECHANISM OF PRE-CRACKED RC PLATES
Takao NISHIKAWA, Kazunori KAMIMURA, Mamoru YAMADA, Koichi MAEKAWA, Yoshio KITADA, Atsushi HABASAKI, Katsuhiko UMEKI
- 1499 STATISTICAL ANALYSIS OF CONCRETE STRENGTH IN EXISTING REINFORCED CONCRETE BUILDINGS IN JAPAN
Masaya HIROSAWA, Jiandong ZHOU, Yasushi SHIMIZU
- 1503 VIBRATION TEST OF A FRAME WHICH HAS AN OIL-DAMPER BRACE
Yutaka ISHIDA, Masayuki NINOMIYA, Masato USAMI, Yasuo TSUYUKI, Toshifumi OKUZONO, Osamu TAKAHASHI, Shigekatsu ICHIHASI
- 1516 MODEL AND ANALYSIS OF VARIABLE STIFFNESS SEMI-ACTIVE CONTROL SYSTEM
Yan Xinghua
- 1519 SHEAR-FAILING REINFORCED CONCRETE COLUMNS SUBJECTED TO MULTI-AXIAL LOADING
M YOSHIMURA, K TSUMURA
- 1521 CHARACTERISTICS OF SEISMICALLY ISOLATED BUILDING
Yoshito MAEDA, Kiyoshi UNO, Takahiro SAKATA, Yasuyuki FUJIO
- 1523 FUNDAMENTAL STUDY ON THE EFFECT OF VARIATION OF MATERIAL PROPERTIES ON THE FAILURE BEHAVIOR OF WHOLE STRUCTURAL SYSTEM
Yasuhiro SAITO, Kimiro MEGURO
- 1527 ANALYSIS OF HIGHRISE BUILDING STRUCTURE WITH SETBACK SUBJECT TO EARTHQUAKE GROUND MOTIONS
John MEEK, Xiaojun ZHANG
- 1534 SOME FUNDAMENTAL ASPECTS OF TORSIONALLY COUPLED STRUCTURES
Juan DE LA LLERA
- 1535 THE EXPERIMENTAL STUDY ON VISCOELASTIC MATERIAL DAMPERS AND THE FORMULATION OF ANALYTICAL MODEL
Higashino Masahiko, Mitsuo Asano, Masashi Yamamoto
- 1541 EARTHQUAKE-RESISTANT CONSTRUCTION WITH MULTI-PERFORATED CLAY BRICK WALLS
Sergio ALCOCER, Leonardo FLORES, José ZEPEDA
- 1543 BEHAVIOUR OF A PRECAST CONCRETE BEAM-TO-COLUMN CONNECTION
RENE CARRANZA, DAVID PEREZ-NAVARRETE, SERGIO ALCOCER
- 1544 ANALYTICAL STUDIES OF SHEAR-YIELDING MOMENT-RESISTANT STEEL FRAMES
Arne HALTERMAN, Mark ASCHHEIM
- 1550 RESTORATION OF AKASHI MUNICIPAL MUSEUM OF ASTRONOMY AND SCIENCE DAMAGED BY THE GREAT HANSHIN EARTHQUAKE IN 1995
Tomoaki AKIYAMA, Tsutomu ITAGAKI, ISHIMARU ISHIMARU
- 1559 A SHEAR MODEL FOR RC STRUCTURES UNDER CYCLIC LATERAL LOADS
Filip FILIPPOU, Angelo D'AMBRISI
- 1562 SEISMIC SHEAR STRENGTH OF COLUMNS WITH INTERLOCKING SPIRAL REINFORCEMENT
Nigel PRIESTLEY, Frieder SEIBL, Gianmario BENZONI
- 1593 RECENT DEVELOPMENTS IN THE USE OF ADVANCED COMPOSITE MATERIALS FOR SEISMIC RETROFITTING
Rob Irwin, José Restrepo, Yung-Chih Wang, Paul Wymer
- 1596 MODELING OF REINFORCED CONCRETE SHEAR WALL FOR NONLINEAR ANALYSIS
Shaohua CHEN, Toshimi KABEYASAWA
- 1597 EXPERIMENTAL INVESTIGATION ON OPTIMAL DIRECT OUTPUT FEEDBACK CONTROL OF STRUCTURES
L CHUNG, L WU, K HUANG

INDEX BY TOPIC

06 STRUCTURAL ENGINEERING

- 1601 PERFORMANCE OF RIGID WELDED BEAM TO COLUMN CONNECTIONS UNDER SEVERE SEISMIC CONDITIONS
Clark Hyland, Charles Clifton, Wolfgang Scholz, John Butterworth
- 1602 MOMENT-RESISTING STEEL FRAMED SEISMIC-RESISTING SYSTEMS WITH SEMI-RIGID CONNECTIONS
Charles Clifton, John Butterworth
- 1604 DUCTILE CLADDING SYSTEMS FOR SEISMIC DESIGN
Tumay Dogan, Peeranan Towashiraporn, Barry Goodno, James Craig
- 1605 EXPERIMENTAL RESPONSE OF A NON-DUCTILE R/C BUILDING REHABILITATED BY MEANS OF FIBRE REINFORCED POLYMERS
Antonella Colombo, Alberto Castellani, Paolo Negro, Muriel Castellani
- 1609 STRUCTURAL RESPONSE OF THE RION-ANTIRION BRIDGE
Jacques COMBAULT, Pierre Morand, Alain PECKER
- 1612 CAPACITY-DEMAND DIAGRAM METHODS BASED ON INELASTIC DESIGN SPECTRUM
Rakesh Goel, Anil Chopra
- 1622 STATE-OF-THE-ART IN HYBRID CONTROL AND ISSUES ON OPTIMUM SEISMIC OBSERVER AND DEVICE PLACEMENT
Hongping Jiang, Franklin Cheng, Zunquan Wang
- 1625 THE BIFURCATION BEHAVIOUR OF VERTICALLY IRREGULAR BUILDINGS IN LOW SEISMICITY REGIONS
Nelson Lam, Chen CHEN, Priyan MENDIS
- 1626 MONITORING THE ONGOING EUROPEAN EFFORT IN STRUCTURAL CONTROL
A BARATTA, F Casciati
- 1627 SEISMIC ANALYSIS AND DESIGN OF INDUSTRIAL CHIMNEYS
Rodrigo DÜNNER, Iván FERNÁNDEZ-DÁVILA, Leonardo CARRIÓN
- 1632 ON SEISMIC BEHAVIOR AND MATHEMATICAL MODELLING OF INFILLED RC FRAME STRUCTURES
Peter Fajfar, Matjaz Dolsek
- 1634 SOME FUNDAMENTAL ASPECTS OF TORSIONALLY COUPLED STRUCTURES
Juan DE LA LLERA
- 1644 LIFE CYCLE ANALYSIS IN THE SEISMIC DESIGN AND MAINTENANCE POLICIES OF BUILDINGS WITH HYSTERETIC ENERGY DISSIPATORS
Luis Esteva, Orlando Díaz-López, Jaime García-Pérez
- 1645 THE MODELLING OF EARTHQUAKE INDUCED COLLAPSE OF UNREINFORCED MASONRY WALLS COMBINING FORCE AND DISPLACEMENT PRINCIPALS
Kevin Doherty, Nelson Lam, John Wilson, Mike Griffith, Ben Rodolico
- 1647 IMPLEMENTATION AND VALIDATION OF FINITE ELEMENT MODELS OF STEEL HYSTERETIC TORSIONAL ENERGY DISSIPATORS
Massimo FORNI, Franco BETTINALI, Samuele INFANTI, Marilena LA GROTTERIA, Maria Gabriella CASTELLANO, Giuseppe BONACINA, Giulia BERGAMO, Alberto DUSI
- 1655 EXPERIMENTAL SEISMIC RESPONSE OF REINFORCED CONCRETE COMPOSITE GIRDERS
Carol ENYEDI, Ovidiu DUMITRESCU, Ioan BOTEZ
- 1657 SEISMIC ANALYSIS OF CONCRETE ARCH DAMS BY SMEARED CRACK APPROACH
Radin expandar, Vahid lotfi, Ghani razaqpur
- 1662 RELIABILITY INDEXES IN EARTHQUAKE RESISTANT DESIGN OF MULTI-STOREY FRAME BUILDINGS
Orlando Díaz-López, Enrique Mendoza, Luis Esteva
- 1663 LATERAL BEHAVIOUR OF LIGHT FRAMED WALLS IN RESIDENTIAL STRUCTURES
Emad Gad, Colin Duffield
- 1671 REDUCED BEAM SECTION WELDED STEEL MOMENT FRAMES
Gary Fry, Michael Engelhardt, Scott Jones
- 1672 DUCTILE ENGINEERED CEMENTITIOUS COMPOSITE ELEMENTS FOR SEISMIC STRUCTURAL APPLICATION
Yasuhiro MATSUZAKI, Victor LI, Hiroshi FUKUYAMA, Yukihiro SATO, Hirozo MIHASHI
- 1673 ENERGY ASPECT OF COUPLED SHEAR WALLS BEHAVIOUR IN AN EARTHQUAKE
R FOLIC, D Ladjinovic
- 1674 UPGRADE OF FIRST GENERATION UNIAXIAL SEISMIC SIMULATION SYSTEM WITH SECOND GENERATION REAL-TIME THREE-VARIABLE DIGITAL CONTROL SYSTEM
Frieder SEIBL, Richard NOWAK, Brad THOEN, André FILLATRAULT, Spyridon KREMMIDAS, Allan CLARK
- 1678 RUBBER-BASED ENERGY DISSIPATORS FOR EARTHQUAKE PROTECTION OF STRUCTURES
Claude DUMOULIN, Ian GOODCHILD, Keith FULLER, Hamid AHMADI, Fabio TAUCER, Georges MAGONETTE
- 1681 IMPLEMENTATION OF EFFECTIVE FORCE TESTING: METHOD OF SEISMIC SIMULATION FOR STRUCTURAL TESTING
Carol SHIELD, Catherine FRENCH, John TIMM

INDEX BY TOPIC

06 STRUCTURAL ENGINEERING

- 1683 ANALYSIS OF 3-D VIBRATIONS OF THE BASE ISOLATED SCHOOL BUILDING "PESTALOZZI" BY ANALYTICAL AND EXPERIMENTAL APPROACH
Nikola Zisi, James Kelly, Mihail Garevski
- 1695 COMPARISON OF SEISMIC PERFORMANCE BETWEEN U.S. STEEL PERIMETER FRAME AND JAPANESE SPATIAL MOMENT RESISTING FRAME
Tadaharu NAGAO, Kenji TAKAHASHI, Takashi HASEGAWA
- 1701 SEISMIC BEHAVIOR OF R/C COLUMN MEMBERS USING PRECAST CONCRETE SHELL UNDER HIGH AXIAL LOAD
Hiroshi HOSOYA, Yoshinobu ASANO
- 1702 MODAL IDENTIFICATION OF STRUCTURES USING ARMAV MODEL FOR AMBIENT VIBRATION MEASUREMENT
C HUANG
- 1704 PERFORMANCE DESIGN PARAMETERS: STRENGTH VS. DUCTILITY DEMAND
Eduardo Fierro, Cynthia Perry
- 1706 INFLUENCE OF DIFFERENT TYPES OF FULLY RESTRAINED CONNECTIONS ON THE RESPONSE OF SMRF STRUCTURES
Akshay GUPTA, Helmut KRAWINKLER
- 1710 EXPERIMENTAL STUDY OF A SEISMICALLY ISOLATED BUILDING STRUCTURE SUBJECT TO TRIAXIAL GROUND MOTIONS
Ting-Yu HSU, Jenn-Shin HWANG
- 1716 INELASTIC RESPONSE OF MULTI-STOREY ASYMMETRIC BUILDINGS
Pier Paolo ROSSI, Edoardo MARINO, Aurelio GHERSI
- 1725 REGULARITY INDICES FOR BRIDGE STRUCTURES
Tatjana Isakovic, Matej Fischinger
- 1728 SEISMIC DESIGN OF LOW TO MID-RISE BUILDING WITH A SOFT FIRST STOREY SUBJECT TO SEMI-ACTIVE VISCOUS DAMPING CONTROL
Satsuya Soda, Norio Iwata
- 1730 ON THE SEISMIC UPGRADING OF EXISTING BUILDING BY SEISMIC ISOLATION SYSTEM
Y NAKAJIMA, S SHIRINASHIHAMA, I HAYASHI
- 1733 IMPROVEMENT OF SEISMIC PERFORMANCE OF REINFORCED CONCRETE SCHOOL BUILDINGS IN JAPAN -PART2 SYSTEMATIC PROJECT FOR RETROFIT AND QUICK RESPONSE AGAINST FUTURE EARTHQUAKES
K SHINPO, T KABEYAZAWA, Ken-ichiro KANEMITSU
- 1734 SHAKING TABLE TESTS OF REINFORCED CONCRETE COLUMNS SUBJECTED TO SIMULATED INPUT MOTIONS WITH DIFFERENT TIME DURATION
HEDETO Kanno, HEISHA Wenliuhan, NORIO Inoue, NORIO Hori, JUNJI Ogawa
- 1735 DUCTILITY IMPROVEMENT OF PCA MEMBERS WITH SPLICE SLEEVE JOINT BY INTENSIVE SHEAR REINFORCING METHOD
Fumitaka IKADAI, Katsumi KOBAYASHI, Masaaki ASE
- 1739 HYBRID STEEL REINFORCED CONCRETE STRUCTURE : STRENGTHENING OF REINFORCED CONCRETE COLUMNS BY CENTRAL REINFORCING STEEL ELEMENT
Y KANEKO, Y TANAKA, H YASHIRO, Y RO, O NAKAGAWA, I SADAMURA
- 1740 IMPORTANT FEATURES OF THE RESPONSE OF INELASTIC STRUCTURES TO NEAR-FIELD GROUND MOTION
Wilfred Iwan, Ching-Tung Huang, Andrew Guyader
- 1752 SEISMIC BEHAVIOUR OF R/C SHEAR WALL STRUCTURES DESIGNED ACCORDING TO THE FRENCH PS92 AND EC8 CODES: A COMPARISON BETWEEN SHAKING-TABLE RESPONSE DATA AND 2D MODELLING
J REYNOUARD, N ILE
- 1755 SEISMIC STRENGTHENING OF INADEQUATE LENGTH LAP SPLICES
FATJON SHKURTI, YONGQIAN LIN, WILLIAM GAMBLE, NEIL HAWKINS
- 1757 COMPUTED VERSUS OBSERVED INELASTIC SEISMIC RESPONSE OF LOW-RISE R/C SHEAR WALLS WITH BOUNDARY ELEMENTS
D CHAUVEL, F FLEURY, J REYNOUARD, N ILE
- 1758 AN INTERVAL ANALYSIS APPROACH TO DEAL WITH EARTHQUAKE RESPONSE OF UNCERTAIN STRUCTURAL SYSTEMS
Hector JENSEN
- 1759 BEHAVIOR OF MOMENT CONNECTIONS BETWEEN CONCRETE-FILLED STEEL TUBE COLUMNS AND WIDE FLANGE STEEL BEAMS SUBJECTED TO SEISMIC LOADS
James Jirsa, Joseph Yura, Bradley Koester
- 1760 HIGH PERFORMANCE CONCRETE IN SEISMICALLY ACTIVE AREAS OF THE ARGENTINEAN REPUBLIC
Claudia Oliva, Ricardo Uliarte, Javier Morandi

INDEX BY TOPIC

06 STRUCTURAL ENGINEERING

- 1764 LATERAL STIFFNESS – STRENGTH DISTRIBUTION AND DAMAGE CONCENTRATION ALONG THE HEIGHT OF A BUILDING
Keiichi INOUE, Yuji ISHIYAMA, Tetsuhiro ASARI
- 1765 SHAKING TABLE TESTS ON PERFORMANCE OF ISOLATORS FOR HOUSES SUBJECTED TO THREE DIMENSIONAL EARTHQUAKE MOTIONS
Hiroyuki YAMANOUCI, Mitsumasa MIDORIKAWA, Yoshimitsu OHASHI, Shoichi YAMAGUCHI, Mineo TAKAYAMA, Masanori IIBA
- 1770 DEVELOPMENT OF REINFORCEMENT DETAILS TO IMPROVE THE CYCLIC RESPONSE OF SLENDER STRUCTURAL WALLS
Chadchart SITTIPUNT, Sharon WOOD
- 1773 EXPERIMENTAL TESTS ON MASONRY STRUCTURES PROVIDED WITH SHAPE MEMORY ALLOY ANTISEISMIC DEVICES
Bruno CARPANI, Giorgio CROCI, Alessandro BONCI, Samuele INFANTI, Alessandro MARTELLI, Mario BRITOGNOLO, Maurizio INDIRLI, Silvano VIANI, Alberto VISKOVIC, Maria Gabriella CASTELLANO
- 1774 SEISMIC RESPONSE ANALYSIS OF PILE-SUPPORTED BUILDINGS CONSIDERING MATERIAL NONLINEARITY AND PILE-SOIL SEPARATION
Masafumi MORI, Masayuki HASEGAWA
- 1775 DEVELOPMENT OF SUBSTRUCTURED SHAKING TABLE TEST METHOD
Akira IGARASHI, Hirokazu IEMURA, Takanori SUWA
- 1783 A SHAKING TABLE TEST OF REINFORCED CONCRETE FRAMES DESIGNED UNDER OLD SEISMIC REGULATIONS IN JAPAN
Masanori IIBA, Hiroshi KURAMOTO, Akira WADA, Eiichi INAI, Namihiko INOUE, Isao FUJIMOTO
- 1787 REDUCTION OF STRENGTH AND STIFFNESS AND HYSTERETIC CHARACTERISTICS OF PERFORATED THIN STEEL PLATE SHEAR WALLS
S Sabouri-Ghomi
- 1790 BENEFICIAL INFLUENCE OF MASONRY INFILL WALLS ON SEISMIC PERFORMANCE OF RC FRAME BUILDINGS
Sudhir Jain, C Murty
- 1791 THE APPLIANCE OF WAVELET TRANSFORM IN THE ANALYSIS OF SEISMIC STRUCTURE DYNAMIC RELIABILITY
Hui CAO, Ming LAI
- 1795 FULL-SCALE VERIFICATION TEST OF DYNAMIC RESPONSE CONTROL TECHNIQUES FOR STRONG EARTHQUAKES
Torajiro FUJIWARA, Akira IGARASHI, Hirokazu IEMURA, Akihiro TOYOOKA
- 1797 SHEAR STRENGTH EVALUATION METHOD FOR MULTI-STORY PRECAST CONCRETE STRUCTURAL WALLS
Hiroshi IMAI, Toshio MATSUMOTO, Masato FURUTANI
- 1809 SYMMETRIC 3D R/C BUILDINGS SUBJECTED TO BI-DIRECTIONAL INPUT GROUND MOTION
Giuseppe FAELLA, Vojko KILAR, Gennaro MAGLIULO
- 1813 INFLUENCE OF BIDIRECTIONAL SEISMIC MOTION ON THE RESPONSE OF ASYMMETRIC BUILDINGS
Julio Hernández, Oscar López
- 1815 DYNAMIC BEHAVIORS OF BRIDGES UNDER SEISMIC EXCITATIONS WITH POUNDING BETWEEN ADJACENT GIRDERS
Ho-Seong Mha, Jeong-Hun Won, Sang-Hyo Kim, Sang-Woo Lee
- 1817 CYCLIC LOADING TEST OF SMALL SCALE BRIDGE PIER MODELS WITHOUT SEISMIC DETAILING
Ick-Hyun KIM, Jae Kwan KIM, Hyun-Woo LIM, Gui-Hyun JUHN
- 1819 ANALYSIS OF SIGNIFICANT FACTORS INFLUENCING EQUIVALENT PARAMETERS IN EQUIVALENT LINEARIZATION METHOD
Zongfang XIANG, Hongliu XIA
- 1823 A METHOD FOR EVALUATING DEFORMATION CAPACITY OF EXTERIOR R/C COLUMNS AFTER FLEXURAL YIELDING
Hisahiro HIRAISHI, Eiichi INAI
- 1824 SEISMIC RESPONSE OF A REINFORCED CONCRETE ARCH BRIDGE
Kazuhiko KAWASHIMA, Atsushi MIZOGUTI
- 1829 SEISMIC BEHAVIOR AND DESIGN OF STEEL SHEAR CONNECTIONS WITH FLOOR SLABS
Abolhassan Astaneh-Asl, Judy Liu
- 1831 DEVELOPEMENT OF ANCHORAGE SYSTEM FOR CFRP SHEET IN STRENGTHENING OF REINFORCED CONCRETE STRUCTURES
Masaaki MATSUI, Naoto FUJITA, Yoshiro ARIDOME, Toshiyuki KANAKUBO
- 1835 INVESTIGATION ON STRESS-TRANSFER MECHANISM OF SRC INTERIOR BEAM-COLUMN JOINTS
Osamu JOH, Atsunori KITANO, Yasuaki GOTO

INDEX BY TOPIC

06 STRUCTURAL ENGINEERING

- 1836 NEW DESIGN APPROACHES BASED ON ENERGY CONCEPTS AND RELATED SEISMIC HARDWARE
Renzo MEDEOT
- 1838 LONG TERM TESTS FOR CREEP OF LAMINATED RUBBER BEARINGS
Keiko MORITA, Mineo TAKAYAMA
- 1840 FULL-SCALE SHAKING TABLE TEST OF PASSIVE RESPONSE CONTROL IN EXISTING OLD BUILDINGS
Kazuyuki FUJISAWA , Shinichi IIZUKA , Nobuo MASAKI, Shinji MASE, Satuya SODA , Takafumi MIYAMA
- 1845 ACTIVE CONTROL FOR THE SERVICEABILITY OF CONTROL-TOWERS
Alberto PARDUCCI, Marco MEZZI
- 1852 A STUDY OF SIMPLIFIED ANALYSIS METHOD OF THE HORIZONTAL SEISMIC ACTION ON STRUCTURES CONSIDERING SSDI EFFECTS
Hui LI, Liping LIU
- 1861 GENETIC ALGORITHM-BASED MULTI-OBJECTIVE STRUCTURAL CONTROL WITH ACCELERATION FEEDBACK
Jamshid Ghaboussi, Yoon-Jun Kim
- 1864 RESPONSE OF A PILE SUPPORTED LNG STORAGE TANK DURING STRONG EARTHQUAKE
Yasunari Yanou, Yozo Goto, Takeyoshi Nisizaki, Daihachi Okai, Takashi Matsuda
- 1865 EXPERIMENTAL STUDY ON REINFORCED CONCRETE COLUMNNS HAVING WING WALLS RETROFITTED WITH CONTINUOUS FIBER SHEETS
Masato ISO, Yasuhiro MATSUZAKI, Yasuhisa SONOBE, Hiroyuki NAKAMURA, Masayuki WATANABE
- 1866 A METHOD FOR PUSHOVER ANALYSIS IN SEISMIC ASSESSMENT OF MASONRY BUILDINGS
Guido MAGENES
- 1869 PREDICTING POST-PEAK BEHAVIOUR OF HIGH BRIDGE PIER WITH HOLLOW SECTION USING A NEW MODEL FOR SPALLING OF COVER CONCRETE AND BUCKLING OF REINFORCEMENT
Junji MASUKAWA , Kumiko SUDA, Koich MAEKAWA
- 1870 PREDICTION OF DAMAGE TO WOODEN HOUSES
Masaru KITAUURA, Masakatsu MIYAJIMA, Akira MURATA
- 1872 DYNAMIC RESPONSE OF NONSTRUCTURAL SYSTEMS MOUNTED ON FLOORS OF BUILDINGS
Takayuki SHIMAZU, Hideo ARAKI, Rusky MARSANTYO
- 1875 AN EXPERIMENTAL STUDY ON APPLICATION OF HYBRID-TYPE BASE ISOLATION SYSTEM TO HIGH-RISE BUILDINGS
Ichiro NAGASHIMA, Ryota MASEKI, Masayoshi HISANO
- 1876 SEISMIC BEHAVIOR OF A REINFORCED CONCRETE BUILDING DUE TO LARGE VERTICAL GROUND MOTIONS IN NEAR-SOURCE REGIONS
Kazuo DAN, Kazuhiko YASHIRO, Masaru KIKUCHI
- 1880 SHAKING TABLE TEST OF R. C. BRACED FRAME
Han Liting, Xiao Jianzhuang , Li Jie
- 1884 SEISMIC VULNERABILITY OF SCHOOL BUILDINGS IN TOLUCA CITY
Sandra MIRANDA, Raul VERA
- 1888 SEISMIC BEHAVIOR OF SHIELD TUNNEL ACROSS ACTIVE FAULT
Naoto OHBO, Takashi FURUYA, Ken TAKAMATU, Shauzow KOMAKI
- 1891 STUDY ON EARTHQUAKE RESPONSE CAHARACTERISTICS OF BASE-ISOLATED BUILDING USING THE FRICTION DAMPERS WITH CONED DISC SPRINGS
Suwa HITOSHI, Nakamura TAKASHI, Inaba SATORU, Nobata ARIHIDE, Suzuki TETSUO
- 1893 EARTHQUAKE RECORDS OBSERVED IN TALL BUILDINGS WITH TUNED PENDULUM MASS DAMPER
Tadashi NAGASE
- 1896 VERIFICATION TEST AND EARTHQUAKE RESPONSE OBSERVATION OF A BASE ISOLATED BUILDING WITH ECCENTRIC ROLLER BEARINGS
Akihiko NAKAE , Susumu OTSUKA, Nobuyasu KAWAI, Isao AOKI , Toru NAGAOKA, Ikuo SHIMODA, Sumio KAWAGUCHI
- 1897 HYBRID STRUCTURAL CONTROL COMBINING ACTIVE MASS DRIVER AND HYSTERETIC DAMPER SYSTEMS
Yoshihiro NITTA, Akira NISHITANI
- 1903 EVALUATION OF REINFORCED CONCRETE BRIDGE JOINTS
Khalid MOSALAM, Jack MOEHLE, Clay NAITO
- 1904 FORCED VIBRATION SYSTEM IDENTIFICATION OF A SINGLE-SPAN BRIDGE UNDER VARIOUS DAMAGE STATES
Ikhsan muhammad, Marvin halling, Kevin womack, Bryant nielson
- 1909 STRUCTURAL CONTROL BASED ON SEMI-ACTIVE VARIABLE FRICTION DAMPERS
Yoji ISHIBASHI, Yoshihiro NITTA, Akira NISHITANI
- 1910 IMPROVING DUCTILITY AND ENERGY-DISSIPATION CAPACITY OF INFILLS BY MEANS OF POLYMERIC NETS
Antonella COLOMBO, Paolo NEGRO, Guido VERZELETTI

INDEX BY TOPIC

06 STRUCTURAL ENGINEERING

- 1911 BI-DIRECTIONAL BEHAVIOR OF INTERIOR-, EXTERIOR-, AND CORNER-JOINTS OF RCS SYSTEM
Isao NISHIYAMA , Hiroshi KURAMOTO, Kunio SUGIHIRO, Hidehiko ITADANI
- 1913 SIMPLIFIED APPROACH TO THE NON-LINEAR BEHAVIOR OF RC MEMBERS
Hidetaka UMEHARA, Shahid NASIR, Supratic GUPTA
- 1916 INDICES OF EFFECTS OF TORSIONAL COUPLING ON EARTHQUAKE RESPONSE OF STRUCTURES
Masaya MURAKAMI , Koichi OHAMI
- 1921 FEM ANALYSIS OF HYBRID STRUCTURAL FRAMES WITH R/C COLUMNS AND STEEL BEAMS
Kazuhiro UCHIDA , Hiroshi NOGUCHI
- 1923 FLEXURAL BEHAVIOR OF CONCRETE FILLED SQUARE STEEL TUBULAR BEAM-COLUMNS
Hiroyuki NAKAHARA, Kenji SAKINO
- 1926 SEISMIC DESIGN OF ARCH BRIDGES DURING STRONG EARTHQUAKE
Kazuya ODA, Kiyofumi NAKAGAWA, Tatsuo IRIE, Allan SUMAYA
- 1928 TRANSVERSE REINFORCEMENT AND DUCTILITY OF REINFORCED CONCRETE HIGH PIER WITH HOLLOW SECTION
Kumiko SUDA , Junji MASUKAWA, Tatsuo OGATA
- 1935 STUDIES ON THE SEISMIC BEHAVIOUR OF THE LEANING TOWER OF PISA
A PAVESE
- 1937 EXPERIMENTAL STUDIES ON THE CYCLIC RESPONSE OF FULL-SCALE STEEL BEAM-COLUMN CONNECTIONS
Egor POPOV, Marcial BLONDET, Lev STEPANOV
- 1940 A STUDY ON IMPROVEMENT OF PUSHOVER ANALYSIS
Pu YANG, Yayong WANG
- 1945 DISPLACEMENT AMPLIFICATION FACTORS FOR DEGRADING SYSTEMS SUBJECTED TO NEAR-FAULT GROUND MOTIONS
José Pincheira, Jong-Keol Song
- 1951 DUCTILITY AND ENERGY DISSIPATION DEMANDS OF ASYMMETRIC BUILDINGS
Pier Paolo ROSSI
- 1953 OPTIMAL SEISMIC DESIGN OF FRICTION DAMPED BRACED FRAMES BASED ON EXISTING EARTHQUAKE RECORDS
Robert LEVY, Avigdor RUTENBERG, Eduard MARIANCHIK, Fred SEGAL
- 1957 RELATIVE DISPLACEMENT RESPONSE SPECTRA WITH POUNDING EFFECT
Kazuhiko KAWASHIMA, Anat RUANGRASSAMEE
- 1958 BENDING INDUCED VERTICAL OSCILLATIONS DURING SEISMIC RESPONSE OF RC BRIDGE PIERS
Paolo PINTO, Marco PETRANGELI, Giulio RANZO
- 1965 EXPERIMENTAL STUDY OF AN ADAPTIVE BASE ISOLATION SYSTEM FOR BUILDINGS
Glenn Madden, Michael Symans, Nat Wongprasert
- 1972 RELIABILITY OF NONLINEAR STATIC METHODS FOR THE SEISMIC PERFORMANCE PREDICTION OF STEEL FRAME BUILDINGS
Matthew J. SKOKAN, Gary C. HART
- 1975 IN SITU TESTS FOR THE ASSESSMENT OF SEISMIC RESISTANCE OF OLD STONE-MASONRY HOUSES
Marjana Lutman, Miha Toma evic, Iztok Klemenc
- 1979 DESIGN-ORIENTED APPROACH FOR SEISMIC NONLINEAR ANALYSIS OF NONSTRUCTURAL COMPONENTS
Roberto Villaverde
- 1982 COMPARATIVE STUDY OF THE SEISMIC PERFORMANCE OF FRAMES USING DIFFERENT DISSIPATIVE BRACES
Alfonso VULCANO, Fabio MAZZA
- 1990 SEISMIC RESPONSE OF REINFORCED MASONRY STRUCTURES
Giovanna ZANARDO , Claudio MODENA, Daniele ZONTA
- 1991 NON LINEAR BEHAVIOR OF STEEL FRAMES AND SPECTRUM REDUCTION FACTOR
Carlos AGUIRRE
- 1994 AN APPLICATION OF AN ELASTOPLASTIC DAMPER UTILIZING CONTINUOUS PLASTIC BENDING OF METAL RODS TO AN APPARATUS IN A BUILDING
Toshiharu ARAKAWA, Hirokazu SHIMODA, Ken-ichiro OHMATA
- 1999 EXPERIMENTAL STUDY OF THE PARAMETRIC AND NON-PARAMETRIC SYSTEM IDENTIFICATION USING NEURAL NETWORKS
Stephen SHNEIDER, Jamshid GHABOUSSI, Khaldoon BANI-HANI
- 2001 INELASTIC BEHAVIOUR OF THREE-DIMENSIONAL STRUCTURES UNDER CONCURRENT SEISMIC EXCITATIONS
Baher ZAGHLOOL, Athol CARR, Peter MOSS
- 2008 FRICTION-DAMPERS FOR SEISMIC CONTROL OF LA GARDENIA TOWERS SOUTH CITY, GURGAON, INDIA
C Tripathi, S Nandi, Avtar Pall, Moti Masand, Ramesh Chandra, Rashmi Pall

INDEX BY TOPIC

06 STRUCTURAL ENGINEERING

- 2012 STRUCTURAL DAMAGE DETECTION AND PHYSICAL STATE OF FRAME BUILDINGS
J Jesús Sosa, Roberto Gómez, J Alberto Escobar
- 2014 FRICTION-DAMPERS FOR SEISMIC UPGRADE OF QUEBEC POLICE HEADQUARTERS, MONTREAL
Rashmi 'Tina' Pall, Serge Delisle, Aytar Pall, Gilles Gauthier
- 2023 DEVELOPMENT OF HIGH FLOW, HIGH PERFORMANCE HYDRAULIC SERVO VALVES AND CONTROL
METHODOLOGIES IN SUPPORT OF FUTURE SUPER LARGE SCALE SHAKING TABLE FACILITIES
Omar ROOD, Han-Sheng CHEN, Rodney LARSON, Richard NOWAK
- 2028 SEISMIC REHABILITATION OF BUILDINGS-RESEARCH ACCOMPLISHMENTS/RESEARCH NEEDS
James Jirsa, Loring Wyllie, Jr.
- 2032 SEISMIC STRENGTHENING AND REPAIR OF REINFORCED CONCRETE SHEAR WALLS
M CHEUNG, Simon FOO, Jag HUMAR, David LAU, Josh LOMBARD
- 2035 UTILIZING MODERN DIGITAL SIGNAL PROCESSING FOR IMPROVEMENT OF LARGE SCALE SHAKING TABLE
PERFORMANCE
Rodney L. LARSON, Bradford K. THOEN, David A. KUSNER, Richard F. NOWAK
- 2047 CHARACTERIZATION OF SEISMIC ISOLATION BEARINGS FOR BRIDGES FROM BI-DIRECTIONAL TESTING
Stephen MAHIN, Andrew WHITTAKER, Gregory FENVES, Wei-Hsi HUANG
- 2048 INFLUENCE OF MODELING PARAMETERS ON STEEL FRAME BUILDING RESPONSE
Gary C. HART, Matthew J. SKOKAN, Sampson C. HUANG
- 2052 PSEUDO-DYNAMIC TEST AND EVALUATION OF THE MAXIMUM RESPONSE OF A GLULAM FRAME UNDER BIG
EARTHQUAKE ATTACK
Hiroshi ISODA
- 2060 EVALUATING CURRENT PROCEDURES AND MODELING FOR SEISMIC PERFORMANCE OF REINFORCED
CONCRETE BUILDINGS
Satwant Rihal, David Weggel, Abraham Lynn, Vicki May, Rakesh Goel
- 2065 PERFORMANCE-BASED SEISMIC DESIGN OF REINFORCED CONCRETE BRIDGE COLUMNS
Jack MOEHLE, Dawn LEHMAN
- 2077 SIMULATION OF THE NON-LINEAR SEISMIC RESPONSE OF AN ARCH DAM
Barry Davidson, Darrin Bell
- 2080 A NEW ELASTIC-PLASTIC DISSIPATION DEVICE FOR SEISMIC PROTECTION OF THE BRIDGE PILE STRUCTURES:
EXPERIMENTAL INVESTIGATION
Antonio BADALA', Sebastiano COSTA, Laura ANANIA
- 2082 SHAKING TABLE TESTS ON A LIQUEFIED NATURAL GAS STORAGE TANK MOCK-UP SEISMICALLY PROTECTED
WITH ELASTOMERIC ISOLATORS AND STEEL HYSTERETIC TORSIONAL DAMPERS
*Alessandro MARTELLI, Alberto DUSI, Laurent DUCOUP, M.Gabriella CASTELLANO, Samuele INFANTI, Claude
DUMOULIN*
- 2083 SEISMIC SCREENING OF BRIDGES IN NEW ZEALAND
Howard CHAPMAN, Graeme OAKDEN, Merv LAUDER
- 2084 ASSESSMENT OF EXPERIMENTAL SEISMIC RESPONSE THROUGH DAMAGE EVALUATION
Emá Coelho, Alfredo Campos-Costa, Eduardo C. Carvalho
- 2092 UNCERTAINTIES IN THE ESTIMATION OF NATURAL FREQUENCIES OF BUILDINGS IN MEXICO CITY
David Murià-Vila, Luis Fuentes Olivares, Ricardo González Alcorta
- 2100 INTERACTION OF NONLINEAR RESPONSE BETWEEN PIER AND ISOLATOR IN SEISMICALLY ISOLATED BRIDGES
T SAWADA, Y NARIYUKI, K HIRAO, K KONDO
- 2105 PROTECTION OF NUCLEAR INSTALLATIONS IN THE CZECH REPUBLIC AGAINST EARTHQUAKES
Dana PROCHAZCOVA
- 2109 EVALUATION OF A SIMPLIFIED METHOD FOR THE DETERMINATION OF THE NON LINEAR SEISMIC RESPONSE OF
RC FRAMES
Misael Requena, A. Gustavo Ayala
- 2114 EARTHQUAKE RESISTANCE BEHAVIOR OF CFT COLUMNS
*Toshiyuki FUKUMOTO, Yoshinari TANAKA, Takashi NOGUCHI, Kenzo YOSHIOKA, Akiyoshi MUKAI, Hiroyoshi
TOKINOYA, Yoshiyuki MURATA*
- 2115 DESIGN VERIFICATION OF AN EXISTING 8-STORY IRREGULAR STEEL BUILDING BY 3-D DYNAMIC AND
PUSHOVER ANALYSES
Mahmood HOSSEINI, Fariborz YAGHOUBI VAYEGHAN
- 2123 SEISMIC CONCEPTUAL DESIGN OF LONG-SPAN CABLE-STAYED BRIDGE
Shide HU, Aijun YE
- 2129 SHAKING TABLE TESTING OF CIVIL ENGINEERING STRUCTURES - THE LNEC 3D SIMULATOR EXPERIENCE
Rogério BAIRRAO, Carlos VAZ

INDEX BY TOPIC

06 STRUCTURAL ENGINEERING

- 2131 SEISMIC PERFORMANCE OF PRE-CODE REINFORCED CONCRETE BUILDINGS
Silvia BRUNO, Luis DECANINI, Fabrizio MOLLAJOLI
- 2135 DEVELOPMENT OF LOW-FRICTION FACTOR SLIDING ISOLATION DEVICE
Hiroki HAMAGUCHI, Masahiko HIGASHINO
- 2137 SEISMIC ENERGY DISSIPATION SYSTEM OF 12-STOREY COUPLED SHEAR WALLS
Yoshiyuki MATSUSHIMA, Ken-ichi SUGAYA, Masaomi TESHIGAWARA, Makoto KATO
- 2139 CYCLIC RESPONSES GENERATING A CRITICAL DAMAGE OF REINFORCED CONCRETE STRUCTURE DURING AN INTENSE EARTHQUAKE GROUND MOTION
Tetsuo KUBO
- 2143 SEISMIC PERFORMANCE EVALUATION METHOD FOR A BUILDING WITH CENTER CORE REINFORCED CONCRETE WALLS AND EXTERIOR STEEL FLAME
Masaomi TESHIGAWARA, Makoto KATO, Yoshiyuki MATSUSHIMA, Kenichi SUGAYA
- 2147 INCORPORATION OF HYSTERETIC DEVICES ON BRACING SYSTEMS OF LOW INVASIVITY: A NEW APPROACH FOR THE SEISMIC REDESIGN OF FRAMED STRUCTURES
Juan Enrique MARTINEZ-RUEDE
- 2149 AN INNOVATIVE DISTRIBUTED BASE-ISOLATION SYSTEM FOR MASONRY BUILDINGS: THE REINFORCED CUT-WALL
Mauro SASSU, Christian RICCI
- 2152 EXPERIMENTAL STUDY ON CARRYING SHEAR FORCE RATIO OF 12 - STOREY COUPLED SHEAR WALL
Kenichi SUGAYA, Masaomi TESHIGAWARA, Makoto KATO, Yoshiyuki MATSUSHIMA
- 2153 EXPERIMENTAL STUDY ON THE PERFORMANCE OF THE RC FRAME INFILLED CAST-IN-PLACE NON-STRUCTURAL RC WALLS RETROFITTED BY USING CARBON FIBER SHEETS
Hiroshi FUKUYAMA, Katsuhiko NAKANO, Tomoaki SUGIYAMA, Masahiko UEMURA, Yasuhiro MATSUZAKI
- 2156 DEVELOPMENT OF CORE TECHNOLOGY FOR 3-D 1200 TONNE LARGE SHAKING TABLE
Nobuyuki OGAWA, Takashi NAGASAKI, Eiji SATO, Kejichi OHTANI, Izumi NAKAMURA
- 2170 A CORRELATION STUDY AMONG SEISMIC MONITORING, PSEUDO-DYNAMIC TEST, AND NUMERICAL SIMULATION OF INELASTIC RESPONSES OF STEEL BRACED FRAME MODEL
Kenichi OHI, Yosuke SHIMAWAKI, Hideo KONDO, Seung-Jae LEE
- 2186 AN EXPERIMENTAL STUDY ON SCALE EFFECTS IN SHEAR FAILURE OF REINFORCED CONCRETE COLUMNS
Takeshi OHTAKI
- 2188 AN INNOVATIVE APPLICATION OF DAMPING DEVICES IN SEISMIC UPGRADE OF A WATER RESERVOIR
Svetlana NIKOLIC-BRZEV, John SHERSTOBITOFF
- 2189 ANALYSIS OF THE SEISMIC RESPONSE OF A DAMAGED MASONRY BELL TOWER
Giovanni BONGIOVANNI, Paolo CLEMENTE, Giacomo BUFFARINI
- 2191 APPLICATION OF HIGH-RISE PRECAST PRESTRESSED CONCRETE BUILDINGS IN HIGH-SEISMICITY REGIONS
Satoru FUKAI
- 2196 BEAM-COLUMN JOINT BEHAVIOR AFTER BEAM YIELDING IN R/C DUCTILE FRAMES
Osamu JOH, Yasuaki GOTO
- 2197 BEHAVIOR OF BEAM-TO-COLUMN CONNECTION OF CFT COLUMN SYSTEM
Koji MORI, Osamu MORI, Makoto KAI, Toshiaki FUJIMOTO, Isao NISHIYAMA, Eiichi INAI
- 2204 CONSISTENT INSERTION OF BOND-SLIP INTO BEAM FIBER ELEMENTS FOR BIAXIAL BENDING
Giorigo MONTI, Enrico SPACONE
- 2205 CONSTRUCTION AND QUALITY CONTROL GUIDELINE FOR PRESTRESSED CONCRETE BUILDINGS
Kazuhiro WATANABE, Masato TANIDA, Hiroaki TOMOZUMI, Hiroshi TAKEYAMA, Shunsuke SUGANO, Takashi KAMINOSONO
- 2211 DEVELOPMENT OF A NONLINEAR MULTI-INPUT/MULTI-OUTPUT MODEL FOR THE VINCENT THOMAS BRIDGE UNDER EARTHQUAKE EXCITATIONS
Andrew Smyth, Robert Nighbor, Sami Masri, Ahmed Abdel-Ghaffar
- 2212 DEVELOPMENT OF BUILDING DAMAGE CHART FOR POST DISASTER MANAGEMENT
Haruo HAYASHI, Shin HASHITERA, Satoshi TANAKA, Hengjian LU, Masayuki KOHIYAMA, Norio MAKI, Kei HORIE
- 2216 DEVELOPMENT OF THE STRUCTURAL DESIGN AND CONSTRUCTION GUIDELINE FOR HIGH-RISE PC BUILDINGS - JAPANESE PC PROJECT
Hisahiro Hiraishi, Fumio Watanabe, Shin Okamoto
- 2217 DEVELOPMENTS IN THE USA IN THE FIELD OF STRUCTURAL CONTROL AND MONITORING OF CIVIL INFRASTRUCTURE SYSTEMS
George HOUSNER, Sami MASRI

INDEX BY TOPIC

06 STRUCTURAL ENGINEERING

- 2223 EARTHQUAKE RESPONSE OF AN ELEVEN-STORY PRECAST PRESTRESSED CONCRETE BUILDING BY SUBSTRUCTURE PSEUDO DYNAMIC TEST
Naoto OKAMOTO, Hiroto KATO, Kei TAKAMATSU, Yuuhiko ICHISAWA
- 2227 EFFECT OF SPATIAL VARIATION OF EARTHQUAKE GROUND MOTION ON THE NONLINEAR DYNAMIC RESPONSE OF HIGHWAY BRIDGES
Masanobu Shinozuka, Vinita Saxena, George Deodatis
- 2230 EFFECT OF DISTRIBUTED MASS ON EARTHQUAKE RESPONSE OF REINFORCED CONCRETE FRAMES
Shunsuke OTANI, Hitoshi SHIOHARA, Reza ALAGHEBANDIAN
- 2235 ENERGY DISSIPATION CHARACTERISTICS OF 3-D FRAMED STRUCTURES NEAR DYNAMIC INSTABILITY THRESHOLD
Ivan FELIX, Emilio SORDO
- 2240 EVALUATION OF DESIGN METHODOLOGIES FOR STRUCTURES INCORPORATING STEEL UNBONDED BRACES FOR ENERGY DISSIPATION
Peter CLARK, Kazuhiko KASAI, Ian AIKEN, Isao KIMURA
- 2244 EXPERIMENTAL EVALUATION OF DYNAMIC CHARACTERISTICS OF LOW AND MEDIUM-RISE BUILDINGS WITH SOIL-STRUCTURE INTERACTION
Nobuo FUKUWA, Shigeharu YAGI, Jun TOBITA
- 2245 EXPERIMENTAL OBSERVATIONS FROM SHAKING-TABLE TESTS ON SELECTIVE TECHNIQUES FOR REPAIR AND STRENGTHENING OF RC WALLS
Carlos Vaz, Rui Pinho, Amr ELNASHAI
- 2246 SEISMIC PERFORMANCE OF AN EXISTING RC FRAME RETROFITTED BY PRECAST PRESTRESSED CONCRETE SHEAR WALLS
Mizuo INUKAI, Takashi KAMINOSONO
- 2248 EXPERIMENTS ON MOMENT RESISTING FINGER JOINTS OF GLUED LAMINATED TIMBERS
Hiroyasu SAKATA, Hiromichi ITO, Toshihiro KUSUNOKI, Hiroshi ABE, Hisayuki OKADA
- 2250 FAILURE MODE CLASSIFICATION OF REINFORCED CONCRETE COLUMNS BY THE ANALYSIS OF THE STRAIN DISTRIBUTION IN THE MAIN REINFORCEMENT
Hiroshi IMAI, Primo Allan ALCANTARA
- 2259 IDEALIZATION OF HYSTERETIC BEHAVIOR OF PRESTRESSED CONCRETE MEMBERS AND ASSEMBLAGES CONSIDERING BOND-SLIP BETWEEN PRESTRESSING STEEL AND CONCRETE
Minehiro NISHIYAMA, Masato ADACHI
- 2266 INFLUENCE OF BASE MAT / FLOOR FLEXIBILITY ON EARTHQUAKE RESPONSE OF A BWR-TYPE NUCLEAR REACTOR BUILDING
Tohru YAMANAKA, Toshio KOBAYASHI, Yoshihumi YAMAMOTO, Fumio SASAKI
- 2267 INFLUENCE OF JOINT REINFORCEMENT ON STRENGTH AND DEFORMATION OF INTERIOR BEAM-COLUMN SUBASSEMBLAGES
Makoto TOCHIO, Shinji TAKEDA, Tomohiko KAMIMURA
- 2268 JOINT TIME-FREQUENCY ANALYSIS OF BASE ISOLATED BUILDINGS
Cameron Black, Ian Aiken
- 2271 MANSIDE: SHAKING TABLE TESTS OF R/C FRAMES WITH VARIOUS PASSIVE CONTROL SYSTEMS
Felice PONZO, Mauro DOLCE, Donatello CARDONE, Claudio VALENTE
- 2279 NON-LINEAR ANALYSIS OF LIGHT-FRAMED WOOD BUILDINGS
Gary HART, Chukwuma EKWUEME
- 2282 NONLINEAR RESPONSE ANALYSIS AND DAMAGE EVALUATION FOR UNDERGROUND STRUCTURES
Yozo GOTO, Takashi MATSUDA
- 2284 STRESS-STRAIN BEHAVIOR OF SQUARE CONFINED CONCRETE COLUMN
Hisataka SATO, Katsuhiko YAMAGUCHI
- 2288 OPTIMAL SEMI ACTIVE AND PASSIVE CONTROL OF THE SEISMIC RESPONSE OF COUPLED FRAME-BRACING SYSTEMS
Emanuele Renzi, Vincenzo Ciampi, Maurizio De Angelis
- 2292 PERFORMANCE OF STATICALLY INDETERMINATE STRESS IN THE ULTIMATE STATE
H MORITAKA, M HAYASHI, T TOMA, Y OHNO, M INUKAI, Jinhua FU
- 2297 PROBABILISTIC MODELING OF SPECIAL MOMENT-RESISTING FRAMES UNDER EARTHQUAKE
Bruce Ellingwood, Nozar Kishi, Jianlin Song
- 2300 PSEUDO-DYNAMIC TESTS ON SERVICEABLE AND ROBUST STEEL FRAMES WITH THE COMBINATION OF HYSTERETIC DAMPERS AND SEMI-RIGID CONNECTIONS
Yosuke SHIMAWAKI, Hideo KONDO, Seung-Jae LEE, Kenichi OHI

INDEX BY TOPIC

06 STRUCTURAL ENGINEERING

- 2302 FRACTURE TOUGHNESS DEMANDS IN STANDARD AND REDUCED BEAM SECTION WELDED MOMENT CONNECTIONS
Gregory Deierlein, Wei-Ming Chi
- 2304 RATING SEISMIC BRACING ELEMENTS FOR TIMBER BUILDINGS
Bruce Deam
- 2306 REHABILITATION OF R/C BUILDING JOINTS WITH FRP COMPOSITES
Lawrence Reaveley, Chandra Clyde, Chris Pantelides
- 2307 RESEARCH AND DEVELOPMENT OF SMART STRUCTURAL SYSTEMS
Masaomi TESHIGAWARA, Hisahiro HIRAISHI, Shunsuke OTANI, Mitumasa MIDORIKAWA
- 2308 RESPONSE ANALYSIS OF ADJACENT STRUCTURES AND COMPARISON WITH RECORDED DATA
Yoshihiro Sugimura, Farhad Behnamfar
- 2310 RETROFIT OF SUSPENSION BRIDGES SUBJECTED TO LONG PERIOD EARTHQUAKE MOTION
Kevin COLLINS, Thomas MURPHY
- 2313 ROCKING MOTION AND CRITERIA FOR OVERTURNING OF BODIES ON A FLOOR: COMPARISON BETWEEN ANALYSIS AND EXPERIMENT
Takeyoshi UEMATSU, Masahiro MIYAGI, Yuji ISHIYAMA
- 2318 DESIGN, ANALYSIS AND TESTING OF A VISCOELASTICALLY DAMPED STEEL FRAME
Christopher HIGGINS, Kazuhiko KASAI
- 2320 SEISMIC EVALUATION OF HIGH-RISE BUILDINGS BY MODIFIED DYNAMIC INELASTIC ANALYSIS METHOD
Wonkee HONG, Sangdae KIM, Youngkyu JU
- 2324 SEISMIC REHABILITATION OF EXISTING CONCRETE BUILDINGS IN JAPAN
Shunsuke SUGANO
- 2325 SEISMIC RESPONSE OF AN INSTRUMENTED REINFORCED CONCRETE BUILDING FOUNDED ON PILES
Sanja Ivanovic
- 2326 SEISMIC RESPONSE OF STEEL BUILDING FRAME WITH WEAK BEAM-TO-STRONG COLUMN BY SUBSTRUCTURE PSEUDO DYNAMIC TESTING METHOD
Fumitoshi KUMAZAWA, Almila UZEL, Hiroto KATO, Toshibumi FUKUTA
- 2327 SEISMIC RETROFIT OF REINFORCED CONCRETE BUILDINGS - A REVIEW AND CASE STUDY
A Pinto, Mike Griffith
- 2329 SEISMIC VERIFICATION OF UPDATED FINITE ELEMENT MODELS OF CABLE-STAYED BRIDGES
Nick Lieven, Mariana Papatheodorou, Colin Taylor
- 2333 SHEAR STRENGTH OF CONCRETE COLUMNS WITH STEEL JACKETS
José Juan GUERRERO CORREA, Bernardo GOMEZ GONZALEZ, Félix Alberto FLORES DIAZ, Oscar GONZALEZ CUEVAS
- 2340 STRUCTURAL DESIGN CONCEPT FOR HIGH-RISE PC BUILDINGS- JAPANESE PC PROJECT -
Shigemi MACHIDA, Masaomi TESHIGAWARA
- 2341 STRUCTURAL PERFORMANCE OF MIXED MEMBER COMPOSED OF STEEL REINFORCED CONCRETE AND REINFORCED CONCRETE
Koichi MINAMI, Yasuhiro MATSUZAKI, Hiroshi NISHIHARA, Hideyuki SUZUKI
- 2342 STRUCTURAL PERFORMANCES OF PRESTRESSED CONCRETE INTERIOR BEAM-COLUMN JOINTS
Takashi KASHIWAZAKI, Hiroshi NOGUCHI
- 2343 STUDY FOR SEISMIC CRITERIA BY EQUIVALENT LINEARIZATION
H KATO, H FUKUYAMA, M TESHIGAWARA, Jinhua FU, M HAYASHI, Y ICHISAWA
- 2344 STUDY ON TORSIONAL MOTION OF STRUCTURE
Masashi HAYASHI, Nobuyuki OOHASHI, Shigeru TAGO, Tsutomu OOTA
- 2348 THE JAPAN PRESSS PRECAST CONCRETE CONNECTION DESIGN
Fumio WATANABE, Hitoshi SHIOHARA
- 2365 EFFECT OF PHASE DIFFERENCES ON THE DYNAMIC BEHAVIOR OF LARGE-SCALE APARTMENT HOUSES
Kazuhiro WATANABE, Tooru NAGAOKA, Masayuki OHNAMI, Masahiro AKIMOTO, Yoshikazu KITAGAWA
- 2370 ANALYSES OF SEISMIC BEHAVIOUR OF STRUCTURAL WALLS WITH VARIOUS REINFORCEMENTS AND BOUNDARY CONDITIONS
CÉCILE CREMER, PANAGIOTIS KOTRONIS, JACKY MAZARS
- 2376 SEISMIC DESIGN LOADS FOR STORAGE TANKS
David Whittaker, Robert Jury
- 2386 PASSIVE SEISMIC DEVICES BASED ON SHAPE MEMORY ALLOYS
Mauro DOLCE, Roberto MARNETTO

INDEX BY TOPIC

06 STRUCTURAL ENGINEERING

- 2387 EXPERIMENTAL TESTS ON SEISMIC DEVICES BASED ON SHAPE MEMORY ALLOYS
Domenico NIGRO, Mauro DOLCE, Donatello CARDONE
- 2389 SEISMIC RESPONSE OF TYPICAL MASONRY BUILDINGS IN THE COMMUNE OF CATANIA
Domenico LIBERATORE, Giuseppe SPERA, Domenico PALERMO
- 2396 EXPERIMENTAL ANALYSIS AND ANALYTICAL MODELLING OF AN INNOVATIVE ELASTIC-PLASTIC DISSIPATION DEVICE FOR SEISMIC PROTECTION OF THE STRUCTURES
Laura ANANIA
- 2399 BASE ISOLATION FOR SEISMIC PROTECTION OF STATUES
Fabrizio Vestroni, Simone Di Cintio
- 2400 ANALYSIS PROCEDURES FOR PERFORMANCED BASED DESIGN
Trevor Kelly, Jonathan Chambers
- 2402 INFLUENCE OF DIFFERENT HYSTERETIC BEHAVIOURS ON SEISMIC RESPONSE OF SDOF SYSTEMS
Gaetano DELLA CORTE, Raffaele LANDOLFO, Gianfranco DE MATTEIS
- 2406 SEISMIC PERFORMANCE OF DIAPHRAGMS IN SLAB-ON-GIRDER STEEL BRIDGES
Michel Bruneau, Seyed Zahrai
- 2408 EFFECT OF VARIOUS ENERGY DISSIPATION MECHANISMS IN SUPPRESSING STRUCTURAL RESPONSE
NICOS MAKKRIS, SHIH-PO CHANG
- 2413 SEISMIC DESIGN AND BEHAVIOUR OF CHEVRON STEEL BRACED FRAMES
Robert TREMBLAY, Nathalie ROBERT
- 2420 SMART STRUCTURAL SYSTEMS FOR EXPOSED TO EXTERNAL DISTURBANCES: CONCEPT AND TECHNOLOGY
Yoshikazu KITAGAWA, Masaki TAKESHITA, Hiroyuki TAMAI
- 2421 IMPROVEMENT OF SEISMIC PERFORMANCE OF REINFORCED CONCRETE SCHOOL BUILDINGS IN JAPAN: PART 1 DAMAGE SURVEY AND PERFORMANCE EVALUATION AFTER 1995 HYOGO-KEN NAMBU EARTHQUAKE
Toshimi KABEYASAWA, Yoshiaki NAKANO, Masaki MAEDA, Takayuki NAKAMURA, Tsuneo OKADA
- 2438 EVALUATION AND RETROFITTING OF BUILDINGS DAMAGED DUE TO JABALPUR (INDIA) EARTHQUAKE OF MAY 22ND 1997
S JAWADE, M GAULKAR, P PAJGADE, S KULKARNI
- 2446 DYNAMIC RESPONSE OF REINFORCED CONCRETE COLUMNS TO MULTIDIRECTIONAL EXCITATIONS
Mahmoud HACHEM, Stephen MAHIN
- 2452 MECHANICAL PROPERTIES OF LAMINATED RUBBER BEARINGS FOR THREE-DIMENSIONAL SEISMIC ISOLATION
Shuichi YABANA, Akihiro MATSUDA
- 2455 SEISMIC POWER FOR EARTHQUAKE DESIGN
G Rodolfo Saragoni, Héctor Díaz
- 2470 APPLICATION OF ULTRA-LIGHT WEIGHT FIBER REINFORCED CONCRETE FOR THE INCREASED EARTHQUAKE RESISTING WALLS
Yoshinori KITSUTAKA, Tokunao OH-OKA
- 2475 RESPONSE EVALUATION AND MODIFICATION OF TYPICAL BRIDGES IN THE CENTRAL AND SOUTHEASTERN UNITED STATES
Laura Jansen, Roberto Leon, Eunsoo Choi, Reginald DesRoches, Shirley Dyke, Tam Lam
- 2522 IMPLEMENTATION OF SEISMIC REHABILITATION OF BUILDINGS
Takashi KAMINOSONO
- 2523 SEISMIC ISOLATION RETROFIT IN JAPAN
Keiji OGURA, Soichi KAWAMURA, Ryoichi SUGISAKI, Sumio MAEZAWA, Akihiko YAJIMA, Shoji TANAKA
- 2524 SEISMIC RETROFIT USING CONTINUOUS FIBER SHEETS
Hiroshi FUKUYAMA, Shigeru FUJII, Katsuhiko NAKANO, Yasuhiro MATSUZAKI
- 2525 STEEL JACKETING FOR IMPROVEMENT OF COLUMN STRENGTH AND DUCTILITY
Kenji SAKINO, Yuping SUN
- 2541 OVERVIEW OF A PROGRAM FOR REDUCTION OF EARTHQUAKE HAZARDS IN STEEL FRAME STRUCTURES
James Malley, Ronald Hamburger, Michael Mahoney, Stephen MAHIN
- 2543 PERFORMANCE BASIS OF GUIDELINES FOR EVALUATION, UPGRADE AND DESIGN OF MOMENT-RESISTING STEEL FRAMES
C Cornell, Ronald Hamburger, Douglas Foutch
- 2544 MATERIALS AND FRACTURE INVESTIGATIONS IN THE FEMA/SAC PHASE 2 STEEL PROJECT
James Malley, Karl Frank
- 2545 SYSTEM PERFORMANCE OF STEEL MOMENT RESISTING FRAME STRUCTURES
Helmut KRAWINKLER

INDEX BY TOPIC

06 STRUCTURAL ENGINEERING

- 2546 PERFORMANCE OF MOMENT-RESISTING CONNECTIONS
Charles ROEDER
- 2550 AN EVALUATION OF THE AASHTO UNIFORM LOAD METHOD FOR ESTIMATING FORCES AND DEFORMATIONS IN SEISMICALLY ISOLATED BRIDGE SYSTEMS
Gregory FENVES, Eric ANDERSON, Stephen MAHIN, Andrew WHITTAKER
- 2560 SEISMIC LOAD EFFECT DIRECTLY LINKED TO SPECIFIED COLLAPSE MECHANISMS IN ULTIMATE LIMIT STATE DESIGN
Tsuyoshi TAKADA, Takashi NAKANO
- 2561 DUAL SEMI-ACTIVE FRICTION DAMPERS TO REDUCE BUILDING RESPONSE TO SEISMIC INPUTS
Tudor SIRETEANU, Charles STAMMERS
- 2562 INNOVATIVE RETROFIT TECHNIQUES FOR SEISMIC RETROFIT OF CONCRETE ARCH BRIDGES OF EARLIER VINTAGE
Raj Valluvan, John Stephenson, Don Bergman, Peter Buckland, Dave Pajouhesh
- 2563 EXPERIMENTAL STUDY ON SHEAR STRENGTH OF THE PHC PILE WITH LARGE DIAMETER
Masahiro HORII, Shizuo HAYASHI, Fumio KUWABARA, Shinji KISHIDA
- 2564 ON THE DETERMINATION OF STRENGTH OF ANCIENT MASONRY WALLS VIA EXPERIMENTAL TESTS
Andrea VIGNOLI, Luciano GALANO, Sandro CHIOSTRINI
- 2566 REPAIRING OF TUBULAR JOINTS DAMAGED UNDER CYCLIC LOADINGS- INNOVATIVE TECHNIQUE
A Madhava Rao, T Thandavamoorthy, A Santhakumar
- 2567 EXPERIMENTAL BEHAVIOUR OF LOW-RISE STEEL BUILDINGS WITH FLEXIBLE ROOF DIAPHRAGMS
André FILIATRAULT, Robert TREMBLAY, Tarek BERAIR
- 2568 DESIGN ASPECTS AFFECTING THE SEISMIC BEHAVIOUR OF STEEL MRF BUILDINGS: ANALYSIS OF THREE CASE STUDIES
E MELE, A DE LUCA, L DI SARNO
- 2569 THE RETROFIT OF HISTORIC BUILDINGS THROUGH SEISMIC ISOLATION: RESULTS OF PSEUDO-DYNAMIC TESTS ON A FULL SCALE SPECIMEN
E Mele, A Pinto, Guido Verzeletti, A De Luca, J Molina
- 2570 EXPERIMENTAL BEHAVIOR OF STEEL BEAM-TO-COLUMN JOINTS: FULLY WELDED VS BOLTED CONNECTIONS
Luis CALADO, Elena MELE
- 2573 SEISMIC RESPONSE OF REINFORCED CONCRETE SHEAR WALLS YIELDING IN A COMBINED SHEAR AND FLEXURAL MODE
(Ted) Blaikie, (Robert) Davey
- 2574 SEISMIC BEHAVIOUR OF FACE LOADED UNREINFORCED MASONRY WALLS
(Robert) Davey, (Ted) Blaikie
- 2576 STRESS ANALYSIS OF PRESTRESSED CONCRETE LIQUID STORAGE TANKS SUBJECTED TO STRONG GROUND MOTION
Ayaho MIYAMOTO, Hideaki NAKAMURA, Sumio HAMADA, Shingo MORIKAWA
- 2577 EARTHQUAKE-RESISTANT REINFORCED CONCRETE STRUCTURES
Mechyslav Chekanovych
- 2579 THE PERFORMANCE OF MECHANICAL SPLICES
Steven McCabe
- 2580 NO-TENSION THEORY FOR SEISMIC ANALYSIS OF MASONRY STRUCTURES
A BARATTA, A BINETTI, G VOIELLO
- 2585 PROVING TEST OF ANALYSIS METHOD ON NONLINEAR RESPONSE OF CYLINDRICAL STORAGE TANK UNDER SEVERE EARTHQUAKES
Hiroshi AKIYAMA, Nobuyuki KOBAYASHI, Kazuo ISHIDA, Tomoki SAKURAI, Motoaki TANAKA, Hideyuki TAZUKE, Toshio CHIBA
- 2586 TEST OF NOZZLES AT WALL OF CYLINDRICAL TANK FOR SEVERE LOADS UNDER EARTHQUAKE
Mitsuru AIBA, Toshio CHIBA, Hiroshi AKIYAMA, Kaoru GRASHI
- 2588 PROVING TESTS OF ENERGY ABSORBING SEISMIC TIES FOR SEISMIC DESIGN OF BOILER PLANT STRUCTURES
T CHIBA, S FUJITA, K SUZUKI, N MARUYAMA, K KAWAMURA, K AIDA
- 2618 RESEARCH ON CTF COLUMN SYSTEMS
Charles ROEDER, Shosuke MORINO
- 2619 HYBRID WALL SYSTEMS: US-JAPAN RESEARCH
John Wallace, Akira Wada
- 2620 EXPERIMENTAL STUDY ON THE PERFORMANCE OF THE RC RESEARCH ON NEW MATERIALS, ELEMENTS AND SYSTEMS
Hiroyuki YAMANOUCHI, Hiroshi FUKUYAMA, Atsuo TANAKA, Subhash GOEL

INDEX BY TOPIC

06 STRUCTURAL ENGINEERING

- 2621 RESEARCH ON RC/SRC COLUMN SYSTEMS
Hiroshi Noguchi, Gregory Deierlein
- 2623 RECENT ACTIVITIES IN RESEARCH AND APPLICATION OF STRUCTURAL CONTROL AND MONITORING SYSTEMS IN KOREA
Sung Pil CHANG, Hyun Moo KOH, Chul-Young KIM, Wonsuk PARK
- 2624 LNEC EXPERIENCES AND STRATEGIES IN EARTHQUAKE SIMULATION: RECENT DEVELOPMENTS
Rogério Bairrao, Joaquim Duque
- 2626 A COMPARATIVE STUDY OF THE ADAPTIVE MCS CONTROL ALGORITHM ON EUROPEAN SHAKING-TABLES
Eduardo Gomez, David Stoten
- 2657 DESIGN METHOD OF CONTROLLING THE MAXIMUM RESPONSE DISPLACEMENTS OF THE BUILDING
Kazushige YAMAMURA, Cheng WU, Takao NISHIKAWA
- 2660 VULNERABILITY INVESTIGATION OF ROMAN COLISSEUM USING MICROTREMOR
E GURLER, Jun SAITA, Antonio ROVELLI, Stefano DONATI, Yutaka NAKAMURA
- 2663 ASEISMIC ASSESSMENT FOR LATERAL STABILITY OF MULTISTORY STEEL FRAME BY PSEUDO-ELASTIC METHOD
Kei-Shyr WANG, Wen-Hae LEE, Ching-Churn CHERN
- 2674 SHAPE EFFECT ON SEISMIC ENERGY ABSORPTION CAPACITY OF HYSTERETIC DAMPER FOR K-BRACED FRAME
Hiroyuki TAMAI, Kazuo KONDOH, Yoshikazu KITAGAWA, Masami HANAI
- 2675 A STUDY OF THE STRENGTH AND DEFORMATION OF PRECAST SHEAR WALL
Yoji HOSOKAWA, Yasuhiro MATSUZAKI, Shinji KATO, Koji AOTA
- 2706 EXPERIMENTAL INVESTIGATION ON SEISMIC BEHAVIOUR OF KNEE JOINTS IN REINFORCED CONCRETE FRAMES
Jianping FU, Chuan ZHANG, Shaoliang BAI
- 2707 EFFECT OF AXIAL LOAD RATIO ON SEISMIC BEHAVIOUR OF INTERIOR BEAM-COLUMN JOINTS
Jianping FU, Tao CHEN, Zheng WANG, Shaoliang BAI
- 2718 EFFECTS OF DISTANT AND LARGE MAGNITUDE EARTHQUAKES ON THE TALLEST BUILDINGS IN BUENOS AIRES CITY
Roberto PINCIROLI, Juan CARMONA, Cristian SISTERNA, Nora SABBIONE, Marcelo MAGRINI, Raquel PALAU, Luisa GARCIA
- 2720 MASONRY STRUCTURES CONFINED WITH CONCRETE BEAMS AND COLUMNS
Mao-zheng WANG, Da-hai LIU
- 2723 IMPLEMENTATION OF DISTRIBUTED ACTIVE CONTROL IN STRUCTURES LOCATED IN SEISMIC AREAS
Fideliu Paulet-Crainiceanu
- 2726 USE OF FRAGILITY MODELS AND DAMAGE RISK MATRICES IN STRUCTURAL DAMAGEABILITY EVALUATION
Adrian Vulpe, Alexandru Carausu, George Emanuel Vulpe
- 2727 STUDY OF THE CYCLIC INTERACTION IN STEEL FRAMES WITH COMPOSITE RC INFILL WALLS
C Shield, A Schultz, J Hajjar, W Saari, X Tong
- 2738 STRUCTURAL SEMI-ACTIVE CONTROL DEVICE
Ming-Hsiang SHIH
- 2799 ASSESSMENT OF CURRENT PREDICTION CAPACITIES OF THE RESPONSE OF EXISTING REINFORCED CONCRETE BUILDINGS
Martin RECLA, Gian Michele CALVI
- 2801 SEISMIC DESIGN CRITERIA FOR RETROFITTING OF BUILDINGS WITH HYSTERETIC ENERGY DISSIPATORS
Luis ESTEVA, Hiram BADILLO, Sonia RUIZ, Francisco SILVA
- 2802 RESPONSE PREDICTION OF PRESTRESSED CONCRETE BUILDINGS AGAINST EARTHQUAKE EXCITATIONS BY CAPACITY SPECTRUM METHOD
Minehiro NISHIYAMA
- 2803 INFERENCE OF LOAD-DEFORMATION CHARACTERISTICS FROM PROPOSED MACRO-MODEL FOR CANTILEVER PRECAST PC BEAMS ASSEMBLED BY PRESTRESSING TO COLUMNS WITH ROUND PC TENDON
Masayuki AWANO, Tadashi NAKATSUKA
- 2823 APPLICATION OF THE POWERFUL TMD AS A MEASURE FOR SEISMIC RETROFIT OF OLD BRIDGES
Takeyasu SUZUKI, Isao KANEKO, Toutsu KATSUKAWA
- 2840 STRUCTURAL CONTROL IMPLEMENTATIONS IN JAPAN
Akira NISHITANI
- 2841 FUTURE PERSPECTIVE OF STRUCTURAL CONTROL IN EARTHQUAKE ENGINEERING
Takuji KOBORI
- 2844 THE SIGNIFICANCE OF THE DIRECTION OF GROUND MOTION ON THE STRUCTURAL RESPONSE
Julio HERNÁNDEZ, Anil CHOPRA, Oscar LÓPEZ

INDEX BY TOPIC

06 STRUCTURAL ENGINEERING

- 2845 AN INNOVATIVE APPROACH FOR SEISMIC REPAIR AND UPGRADE OF REINFORCED CONCRETE MOMENT FRAME CONNECTIONS
Ayman Mosallam
- 2850 INVESTIGATION INTO THE SIGNIFICANCE OF STRENGTH CHARACTERISTICS IN INELASTIC TORSIONAL SEISMIC RESPONSE
Peter Dusicka, Barry Davidson, Carlos Ventura

07 LIFELINE SYSTEMS

- 0003 SEISMIC VULNERABILITY OF AIRPORT FACILITIES
Michael Roark, Kevin Truman, Phillip Gould
- 0065 SEISMIC BEHAVIOUR OF EXTENDED STRUCTURES
Albert PETROV
- 0134 EFFECTIVENESS OF THE DEFORMABILITY-EVALUATION FOR BURIED PIPELINES USING THE GROUND-BLOCK METHOD
Nobuaki NISHIO
- 0236 RELIABILITY ANALYSIS OF URBAN TRANSPORTATION SYSTEM
Liu CHUNGUANG, Gao HUIYING
- 0291 A SIMPLIFIED ESTIMATION METHOD OF ELASTO-PLASTIC DEFORMATIONS OF BURIED PIPELINES CAUSED BY LATERAL SPREADING DUE TO LIQUEFACTION
T SUZUKI, N HOSOKAWA, J UENO, T KUWAJIMA, Y OGAWA, T KITANO, S TAKADA, T KOIKE
- 0292 STRUCTURAL STRAIN ESTIMATION OF SEGMENTED SHIELD TUNNEL FOR SEVERE EARTHQUAKES
T KOIKE
- 0367 BEHAVIOR OF PIPELINE WITH INITIAL BOW UNDER THE ACTION OF AXIAL LOAD
Ja-Shian CHANG, Young-Hong HESI, Jan-Fu WANG
- 0381 ABOVEGROUND SEISMIC RETROFIT SCHEMES OF WATER PIPELINES CROSSING THE HAYWARD FAULT
Luke Cheng
- 0425 RESPONSE BEHAVIOR OF PIPELINE SYSTEM SUBJECTED TO SUBSIDENCE OF GROUND LIQUEFACTION
Kunihiko FUCHIDA, Shozo SHIRINASHIHAMA, Takashi AKIYOSHI
- 0492 LOAD ON PIPES BURIED IN A NON-LIQUEFACTION LAYER DUE TO LIQUEFACTION-INDUCED GROUND DISPLACEMENT
Youichi TAJI, Seiji KOJIMA, Kazunori SHIMAMURA, Masanori HAMADA, Susumu YASUDA, Keizo OHTOMO, Yusuke FUJITA
- 0513 ANALYSIS OF CAUSAL FACTORS GENERATING LARGE-SCALE DEFORMATION PATTERNS IN BURIED PIPELINE UNDER THE INFLUENCE OF LATERAL FLOWS BY LIQUEFACTION
S TAKADA, N HOSOKAWA, T KITANO, Y OGAWA, T KUWAJIMA, K OKAMURA
- 0546 EVALUATION OF SEISMIC FRAGILITY FOR HIGHWAY TRANSPORTATION SYSTEMS
Satoshi TANAKA, Nobuoto NOJIMA, Hiroyuki KAMEDA, Shunsuke OHNISHI
- 0551 DAMAGE ASSESSMENT OF EXPRESSWAY NETWORKS IN JAPAN BASED ON SEISMIC MONITORING
Hitoshi MOTOMURA, Tatsuya HAMADA, Fumio YAMAZAKI
- 0662 SOIL FRICTION RESTRAINT OF OBLIQUE PIPELINES IN LOOSE SAND
Chun-Yin WU, Tung-Wen HSU, Yuh-Jyh CHEN
- 0687 THE AXISYMMETRIC FINITE ELEMENT MODEL DEVELOPED AS A MEASURE TO EVALUATE EARTHQUAKE RESPONSES OF SEISMICALLY ISOLATED TUNNELS
Takeyasu SUZUKI
- 0697 SEISMIC HAZARD ASSESSMENT AND DESIGN METHODOLOGY FOR STEEL BURIED PIPELINES
B DESTOMBES, D CHASSAGNEUX, M ZAREA, P MOUROUX, D PRUVOST
- 0848 DEVELOPMENT OF EARTHQUAKE-PROOF PERFORMANCE EVALUATION PROGRAM FOR UNDERGROUND TELECOMMUNICATION FACILITIES
Masaru OKUTSU, Kazuhiko FUJIHASHI, Ken'ichi HONDA
- 0889 A NEW PHYSICAL MODEL TO STUDY THE BEHAVIOR OF BURIED PIPES UNDER CYCLIC LOADING CONDITION
S Moghaddas Tafreshi, S Mir Mohammad Hosseini
- 0893 USING NON-LINEAR SOIL MODEL TO ANALYZE SEISMIC RESPONSE OF UNDERGROUND PIPELINES
Xin LI, Jing ZHOU
- 0906 SEISMIC BEHAVIOR OF PIPELINES DURING TRANSVERSE LIQUEFACTION CONSIDERING EFFECTS OF GROUND DEFORMATION
YunMook LIM, TaeWook KIM, MoonKyum KIM, SungWoo PARK
- 0930 A NEW PROPOSAL FOR SIMPLIFIED SEISMIC RESPONSE ANALYSIS OF PIPES IN GROUND WITH INCLINED BED-ROCK
Nemat Hassani, Shiro Takada, Toshisane Tsuyoshi, Ryuzo Ozaki

INDEX BY TOPIC

07 LIFELINE SYSTEMS

- 0943 LIFELINE PIPELINE RESTORATION AND SEISMIC MITIGATION
Le Val LUND, P ASCE
- 0966 ANALYTICAL AND EXPERIMENTAL INVESTIGATION OF THE DYNAMIC RESPONSE OF LIQUID-FILLED CONICAL TANKS
L TANG, R KOROL, A El DAMATY
- 1094 EARTHQUAKE PERFORMANCE OF HIGHWAY SYSTEM IN TOKYO
Hideji KAWAKAMI
- 1140 A METHOD TO DETERMINE SEISMIC PERFORMANCE OF HIGHWAY NETWORK SYSTEM
Hideki SUGITA, Tomofumi NOZAKI
- 1215 STUDY ON BEHAVIOR OF BURIED PIPES IN LIQUEFIED GROUND
Toshi NAKAJIMA, Toshiyuki IWAMOTO, Toshio TOSHIMA
- 1268 DEVELOPMENT OF A WARNING INFORMATION SYSTEM OF EARTHQUAKE
SATOH TAKASHI, IKEDA KENJI, OHSAKA HIDETOSHI, KANEKO TAKAKICHI
- 1388 SEISMIC RELIABILITY ASSESSMENT METHOD FOR LIFELINE SYSTEMS USING UNAVAILABLE TIME
Takanobu SUZUKI
- 1433 DEFORMATION AND FRACTURE PROPERTIES OF STRAIGHT STEEL PIPE WITH INTERNAL PRESSURE UNDER UNIAXIAL COMPRESSIVE AND BENDING LOAD
Chitoshi MIKI, Noritake OGUCHI, Takayoshi UCHIDA, Atsushi SUGANUMA, Takehiro INOUE
- 1508 LARGE DEFORMATION BEHAVIOR OF LOW-ANGLE PIPELINE ELBOWS SUBJECTED TO IN-PLANE BENDING
Masanori Hamada, Thomas O'Rourke, Koji Yoshizaki
- 1742 OPTIMUM RESTORATION MODEL CONSIDERING INTERACTIONS AMONG LIFELINE SYSTEMS-INTERACTIONS AMONG RESTORATION ACTIVITIES OF LIFELINE UTILITIES
Yasunori HADA, Kimiro MEGURO
- 1762 SEISMIC DAMAGE ESTIMATION PROCEDURE FOR WATER SUPPLY PIPELINES
Ryoji ISOYAMA, Eisuke ISHIDA, Kiyoji YUNE, Toru SHIROZU
- 1814 DEFORMATION AND FRACTURE PROPERTIES OF STEEL PIPE BEND WITH INTERNAL PRESSURE SUBJECTED TO IN-PLANE BENDING
Noritake OGUCHI, Takayoshi UCHIDA, Akihiko KATO, Takashi KOBAYASHI, Chitoshi MIKI, Atsushi SUGANUMA
- 1919 SEISMIC RELIABILITY OF THE ABRUZZO HOSPITAL SYSTEM AND UPGRADING STRATEGIES
Camillo NUTI, Silvia SANTINI, Ivo VANZI
- 1927 SIMULATION AND EVALUATION OF POST-EARTHQUAKE FUNCTIONAL PERFORMANCE OF TRANSPORTATION NETWORK
Nobuoto NOJIMA, Masata SUGITO
- 2041 SEISMIC RELIABILITY OF ELECTRIC NETWORKS AND INTERACTION WITH OTHER DAMAGE INDICATORS
Ivo VANZI, Renato GIANNINI
- 2128 RISK MANAGEMENT AND LIFELINE ENGINEERING
Shahinaz BAKIR, David ELMS, John LAMB
- 2182 AMPLIFICATION OF GROUND STRAIN IN IRREGULAR SURFACE LAYERS DURING STRONG GROUND MOTION
Mio KOBAYASHI, Hirokazu ANDO, Takahito WATANABE
- 2262 ELECTRICAL SUBSTATION EQUIPMENT DAMAGE DATABASE FOR UPDATING FRAGILITY ESTIMATES
Thalia Anagnos, Dennis Ostrom
- 2311 RISK ANALYSIS OF PORT FACILITIES
Anne Kiremidjian, Stephanie King, Samuel Chiu, Mark Audigier
- 2345 SUPER HIGH-DENSITY REALTIME DISASTER MITIGATION SYSTEM
Wataru NAKAYAMA, Kenichi KOGANEMARU, Yoshihisa SHIMIZU, Akihiko WATANABE, Fumio YAMAZAKI
- 2587 SEISMIC PERFORMANCE OF LNG STORAGE TANK FOUNDATIONS DURING THE VERY LARGE EARTHQUAKE
Makoto KOBAYASHI, Kenzo TOKI, Shunichi HIGUCHI, Takuo MORI, Takashi MATSUDA, Yozo GOTO, Bruce KUTTER, Hiroshi AKIYAMA
- 2798 A DECADE OF LIFELINES ENGINEERING IN NEW ZEALAND
David Brunson

08 DESIGN CRITERIA AND METHODS

- 0018 APPROXIMATE ESTIMATIONS OF NATURAL PERIODS FOR APARTMENT BUILDINGS WITH SHEAR-WALL DOMINANT SYSTEMS
Young-Soo CHUN, Ji-Soo YANG, Kug-Kwan CHANG, Li-Hyung LEE
- 0023 RELIABILITY ANALYSIS OF SEISMIC SHEAR-TYPE STRUCTURES
Boquan LIU, Ming LIU

INDEX BY TOPIC

08 DESIGN CRITERIA AND METHODS

- 0030 EFFECT OF HYSTERETIC MODELS ON THE INELASTIC DESIGN SPECTRA
Li-Hyung Lee, Sang Whan Han, Young-Hun Oh
- 0036 EQUIVALENT DUCTILITY DAMAGE CRITERION OF EARTHQUAKE RESISTANT STRUCTURES AND ITS VERIFICATION BY SUB-STRUCTURE METHOD
Boquan LIU, Ming LIU
- 0051 CODE RECOMMENDATIONS FOR THE SEISMIC DESIGN OF TALL REINFORCED CONCRETE CHIMNEYS
J WILSON
- 0060 SAFETY EVALUATION METHOD OF STRUCTURAL SYSTEMS AND ITS APPLICATION TO SEISMIC DESIGN OF RC BRIDGE PIER
Motoyuki SUZUKI, Mitsuyoshi AKIYAMA
- 0062 A SIMPLE DISPLACEMENT COMPATIBILITY-BASED SEISMIC DESIGN STRATEGY FOR REINFORCED CONCRETE BUILDINGS
Tom PAULAY
- 0146 NECESSARY STATIC CONDITIONS FOR THE SEISMIC VIABILITY OF REINFORCED CONCRETE OR MASONRY STRUCTURES
Mario PAPANONI
- 0155 AN EVALUATION OF THE DISPLACEMENT CONTROLLED DESIGN PROCEDURES
Vladimir Sigmund, Kresimir Herman, Ivica Guljas
- 0207 COMPATIBLE ACCELERATION AND DISPLACEMENT SPECTRA FOR SEISMIC DESIGN CODES
Andrew Weir, Amr Elnashai, Julian Bommer
- 0209 APPLICATIONS OF DRIFT SPECTRA IN SEISMIC DESIGN
Avigdor RUTENBERG, Arthur HEIDEBRECHT
- 0245 GRAVITATIONAL SEISMIC COLLAPSE MECHANISM ANALYSIS IN VIEW OF CONCEPTUAL DESIGN
Jacob Eisenberg
- 0295 EVALUATION OF STRUCTURAL COEFFICIENT BY DISPLACEMENT RESPONSE ESTIMATION USING THE EQUIVALENT LINEAR METHOD
Kazushi SHIMAZAKI
- 0330 THE DIRECT DISPLACEMENT BASED DESIGN METHOD: A DAMPING PERSPECTIVE
Hayder JUDI, Richard FENWICK, Barry DAVIDSON
- 0444 COMPARATIVE PERFORMANCE EVALUATION OF DISPLACEMENT BASED DESIGN PROCEDURES FOR NEAR FIELD EARTHQUAKES
Sinan AKKAR, Polat GÜLKAN
- 0526 STATE OF THE SEISMIC DESIGN AND DETAILING OF BUILDINGS WITH RC STRUCTURAL WALLS IN EUROPE
Alessandro Dazio, Hugo Bachmann
- 0652 TARGET SEISMIC PERFORMANCE LEVELS IN STRUCTURAL DESIGN FOR BUILDINGS
Taiki SAITO, Yoshitsugu AOKI, Hideo FUJITANI, Jun KANDA, Testsuya EMOTO, Mamoru KOHNO, Yuji OHASHI
- 0657 COMMENTS ON DESIGN EARTHQUAKE SPECIFIED IN THE 1997 NEHRP PROVISIONS
Howard HWANG
- 0686 A TWO-LEVEL OPTIMIZATION METHOD FOR SEISMIC DESIGN OF ELASTIC THREE-DIMENSIONAL FRAMES
Kazunori WAKAMATSU, Makoto OHSAKI, Yasuyuki NAGANO
- 0694 CASE STUDIES ON PERFORMANCE BASED SEISMIC DESIGN USING CAPACITY SPECTRUM METHOD
H MUKAI, D NISHIKAWA, Tadaharu NAGAO
- 0714 MODELIZATION OF LOW CYCLE FATIGUE DAMAGE IN FRAMES
Alberto CARNICERO, Ricardo PERERA, Enrique ALARCON
- 0716 LIMIT STATES FOR PERFORMANCE-BASED DESIGN
Kevin Collins, Bozidar Stojadinovic
- 0784 EVALUATION OF THE NEED FOR WEAK BEAM-STRONG COLUMN DESIGN IN DUAL FRAME-WALL STRUCTURES
Mário Lopes, Rita Bento
- 0825 SEISMIC DESIGN REQUIREMENTS FOR REGIONS OF MODERATE SEISMICITY
Glenn BELL, Guy NORDENSON
- 0836 A VISION FOR A COMPLETE PERFORMANCE-BASED EARTHQUAKE ENGINEERING SYSTEM
William HOLMES
- 0989 SEISMIC DESIGN AND PERFORMANCE ASSESSMENT OF MASONRY INFILLED R/C FRAMES
Andreas Kappos, Frederick Ellul
- 1005 EVALUATION OF ANALYSIS PROCEDURES FOR PERFORMANCE-BASED SEISMIC DESIGN OF BUILDINGS
H Lew, Sashi Kunnath

INDEX BY TOPIC

08 DESIGN CRITERIA AND METHODS

- 1033 RELIABILITY OF STRUCTURAL SAFETY OF SCHOOL GYMNASIUMS IN HEAVY SNOW REGIONS AGAINST COMBINED LOAD OF SNOW AND EARTHQUAKE
Kengo TAGAWA, Toshinobu MIYASAKAT
- 1039 PREDICTING THE EARTHQUAKE RESPONSE OF BUILDINGS USING EQUIVALENT SINGLE DEGREE OF FREEDOM SYSTEM
Norihide KOSHIKA, Masaomi TESHIGAWARA, Toshifumi OKUZONO, Masaharu TAKAYAMA, Hiroshi KURAMOTO, Tomihiro HORI
- 1096 INELASTIC DISPLACEMENT RATIOS FOR DISPLACEMENT-BASED EARTHQUAKE RESISTANT DESIGN
Eduardo MIRANDA
- 1121 METHODOLOGY FOR SEISMIC DESIGN OF R/C BUILDING STRUCTURES
Roberta PETRUSEVSKA, Golubka NECEVSKA-CVETANOVSKA
- 1147 EUROPEAN RESEARCH AND CODE DEVELOPMENTS ON SEISMIC DESIGN OF COMPOSITE STEEL CONCRETE STRUCTURES
André PLUMIER
- 1192 THE SIGNIFICANCE OF SITE RESPONSE EFFECTS ON PERFORMANCE BASED DESIGN
Z Lubkowski, R King, J Pappin
- 1206 FRAME DESIGN METHOD BASED ON REDUCED MODEL-FRAME INVERSE TRANSFORMATION
Izuru TAKEWAKI, Y. SUGIMURA, K. UETANI, M. TSUJI, T OKAMOTO
- 1223 A DESIGN SCHEME OF STEEL CONNECTIONS FOR PREVENTING BRITTLE FRACTURE
Takumi ISHII, Koichi TAKANASHI, Takahiko SUZUKI, Koji MORITA
- 1271 SEISMIC DESIGN OF R/C FRAMES: AN ASSESMENT OF BEHAVIOUR FACTOR AND A COMPARISON OF EUROCODE 8 AND BULGARIAN SEISMIC CODE
Elena Vasseva, Evgeny Krustev, Georgio Franchioni
- 1302 IMPORTANCE OF SEVERE PULSE-TYPE GROUND MOTIONS IN PERFORMANCE-BASED ENGINEERING: HISTORICAL AND CRITICAL REVIEW
Vitelmo Bertero, Mehrdad Sasani
- 1391 PERFORMANCE-BASED SEISMIC DESIGN METHOD OF ULTRA-HIGH RISE REINFORCED CONCRETE BUILDINGS
Hiroaki ETO, Kenzo YOSHIOKA, Kunio WAKAMATSU, Shinji TAKAMI, Kenji YONEZAWA
- 1446 STRENGTH REDUCTION FACTORS FOR MULTI-DEGREE-OF-FREEDOM SYSTEMS
Perla SANTA-ANA, Eduardo MIRANDA
- 1511 INTRODUCTION OF A PERFORMANCE-BASED DESIGN
Nobuyuki MORI, Yasuhiro TSUNEKI, Katsuhiko YAMAWAKI, Satoru FUKAI, Haruyuki KITAMURA
- 1556 SEISMIC RESPONSE OF NON LINEAR STRUCTURES USING THE CONCEPT OF VARIABLE DAMPING RESPONSE SPECTRUM
Tommaso ALBANESI, Camillo NUTI, Ivo VANZI
- 1561 AMPLIFICATION FACTORS TO ESTIMATE INELASTIC DISPLACEMENT DEMANDS FOR THE DESIGN OF STRUCTURES IN THE NEAR FIELD
Jose BAEZ, Eduardo MIRANDA
- 1584 IMPLICATIONS OF A PROPORTIONING METHOD FOR EARTHQUAKE-RESISTANT RC FRAMES SUBJECTED TO STRONG GROUND MOTION
JoAnn Browning
- 1675 RESPONSE MODIFICATION FOR ESSENTIAL FACILITIES HAZARD MITIGATION IN MID AMERICA
Barry Goodno, James Craig, Peeranan Towashiraporn, Thitikorn Losiriluk
- 1682 PERFORMANCE LEVELS OF BUILDING STRUCTURES AGAINST THE EARTHQUAKE (CONCEPT OF PERFORMANCE-BASED DESIGN STANDING ON QUESTIONNAIRES)
Ikuo TAKAHASHI, Yoichi AOKI, Akinori TANI, Hideo FUJITANI
- 1707 A NEW LOOK AT THE TORSION DESIGN PROVISIONS IN SEISMIC BUILDING CODES
Jagmohan HUMAR, Praveen Kumar
- 1723 STOREY SHEAR SAFETY FACTOR FOR RC BUILDINGS
Toshikatsu ICHINOSE, Tatsuzo UMENO
- 1772 REVISION OF INTERNATIONAL STANDARD ISO 3010 BASES FOR DESIGN OF STRUCTURES- SEISMIC ACTIONS ON STRUCTURES
Yuji ISHIYAMA
- 1811 EXTENSION OF SEISMIC ZONATION MAPS FOR DESIGN AT ANY PRESELECTED FAILURE PROBABILITY
A HADJIAN
- 1818 SEVERAL SUGGESTIONS FOR THE REVISION OF CODE FOR SEISMIC DESIGN OF BUILDINGS, GBJ11-89, OF CHINA
Yingmin LI, Ming LAI

INDEX BY TOPIC

08 DESIGN CRITERIA AND METHODS

- 1841 PERFORMANCE BASED ANALYSIS AND MODELING OF A DUAL SEISMIC FORCE-RESISTING SYSTEM
Limin JIN, Atila ZEKIÖGLU And King-Le CHANG
- 1851 DISPLACEMENT-BASED SEISMIC DESIGN OF STATICALLY-INDETERMINATE BRIDGE PIERS
Silvia MAZZONI, Gregory FENVES
- 1976 OPINION OF USERS AND OWNERS ABOUT SAFETY PERFORMANCE OF BUILDING STRUCTURE (CONCEPT OF PERFORMANCE-BASED DESIGN STANDING ON QUESTIONNAIRES)
Hideo Fujitani , Ikuo Takahashi , Akinori Tani
- 2074 PERFORMANCE-BASED SEISMIC ENGINEERING:CONVENTIONAL VS. INNOVATIVE APPROACHES
Vitelmo V. BERTERO
- 2098 A NEW FRAMEWORK FOR PERFORMANCE-BASED DESIGN OF BUILDING STRUCTURES
Katsumi YANO, Hiroshi AKIYAMA, Yoshitsugu AOKI, Hideo FUJITANI, Tsuneo OKADA, Yuji OHASHI, Hisahiro HIRAISHI
- 2171 A FRAMEWORK OF STRUCTURAL PERFORMANCE EVALUATION SYSTEM FOR BUILDINGS IN JAPAN
Hiroshi AKIYAMA , Masaomi TESHIGAWARA, Hiroshi FUKUYAMA
- 2193 ASEISMIC DESIGN AND CONSTRUCTION OF EARTH BUILDINGS IN NEW ZEALAND
Hugh Morris, Richard Walker
- 2215 DEVELOPMENT OF SEISMIC PERFORMANCE EVALUATION PROCEDURES IN BUILDING CODE OF JAPAN
Izuru OKAWA, Masanori IIBA, Masaomi TESHIGAWARA, Hiroshi ISODA, Hisahiro HIRAISHI, Mitsumasa MIDORIKAWA
- 2241 EVALUATION OF INPUT ENERGY CAUSED BY EARTHQUAKES AS SEISMIC LOAD FOR HIGHWAY BRIDGES
Taiji MAZDA, Hisanori OTSUKA, Anne KIREMIDJIAN
- 2293 PERFORMANCE-BASED BUILDING CODE OF JAPAN: FRAMEWORK OF SEISMIC AND STRUCTURAL PROVISIONS
Mitsumasa MIDORIKAWA , Izuru OKAWA , Wataru GOJO, Masaomi TESHIGAWARA, Hisahiro HIRAISHI
- 2322 SEISMIC PERFORMANCE ESTIMATION OF ASYMMETRIC BUILDINGS BASED ON THE CAPACITY SPECTRUM METHOD
Tatsuya AZUHATA, Taiki SAITO, Masaharu TAKAYAMA, Katsumi NAGAHARA
- 2381 SIMPLIFIED METHODS FOR SEISMIC RELIABILITY ANALYSIS
Michael BAKER, Edmund BOOTH
- 2471 SEISMIC ANALYSIS OF BRIDGES INCLUDING SOIL-ABUTMENT INTERACTION
Michael KARANTZIKIS, Constantine SPYRAKOS
- 2551 TORSIONAL EFFECTS AND REGULARITY CONDITIONS IN RC BUILDINGS
Edoardo COSENZA, Gaetano MANFREDI, Roberto REALFONZO
- 2552 DEFINITION OF SEISMIC ACTION IN THE CONTEXT OF EC-8: TOPICS FOR DISCUSSION
Carlos Oliveira, Alfredo Campos-Costa, M. Luísa Sousa
- 2553 DESIGN PROVISIONS FOR MASONRY-INFILLED RC FRAMES
Michael FARDIS
- 2554 MODERN SEISMIC DESIGN OF STEEL STRUCTURES AND EC8 DEVELOPMENTS
Amr Elnashai
- 2556 BUILDING CODES AND TRADEOFFS FOR EARTHQUAKE RISK REDUCTION: DISASTER MANAGEMENT FOR HOUSING
Norio MAKI, Haruo HAYASHI
- 2665 CONSIDERATION OF NEAR-FAULT GROUND MOTION EFFECTS IN SEISMIC DESIGN
Helmut KRAWINKLER, Babak ALAVI
- 2733 DEALING WITH BUILDINGS LIKELY TO BE UNSAFE IN EARTHQUAKE - TECHNICAL CONSIDERATIONS
Rob Jury, R Bruce Shephard, David Brunson, David Hopkins
- 2745 REGULATORY ISSUES IN THE PROPOSED CHANGES TO THE NEW ZEALAND BUILDING ACT 1991
Brian Cashin, David Brunson

09 SOCIAL & ECONOMIC ISSUES

- 0007 USING GIS AS A TOOL TO EXECUTE THE FARMLAND RELEASE POLICY WITH CONSIDERING FIELD CONDITIONS
Hui-Mi HSU, Sao-Jeng CHAO
- 0091 A GIS BASED EARTHQUAKE LOSSES ASSESSMENT AND EMERGENCY RESPONSE SYSTEM FOR DAQING OIL FIELD
Li Li XIE, Aiping TANG, Zhengtao CUI, Xiabin TAO, Ruizhi WEN
- 0108 THE PRELIMINARY USE OF MAPINFO PROGRAMME TO EARTHQUAKE HAZARD ASSESSMENT IN THAILAND AND MAINLAND SE ASIA
Chaiyan HINTHONG, Suwith KOSUWAN, Punya CHARUSIRI

INDEX BY TOPIC

09 SOCIAL & ECONOMIC ISSUES

- 0163 PORTFOLIO THEORY FOR EARTHQUAKE INSURANCE RISK ASSESSMENT
Weimin DONG, Felix WONG
- 0178 EVALUATION OF SEISMIC RISK THROUGH TOTAL ACCEPTABLE COST MODEL
Vilas MUJUMDAR
- 0272 STUDY ON SEARCH AND RESCUE OPERATIONS IN THE 1995 HANSHIN-AWAJI EARTHQUAKE – ANALYSIS OF LABOR WORK IN RELATION TO BUILDING TYPES
Hitomi MURAKAMI, Koichi SAKAMOTO, Toru TAKEMOTO
- 0323 ESTIMATION OF TRAFFIC DEMAND OWING TO THE CONSTRAINED LIFE OF EARTHQUAKE DISASTER IN TOKYO
Yoshimi OGAWA, Atsushi SEKINE
- 0326 SEISMIC RISK IN SAN JUAN CITY, ARGENTINE
Dora Roitman SCHABELMAN
- 0337 A STUDY ON SCENARIO-TYPE SEISMIC DAMAGE ESTIMATION BY USING GIS
Suminao MURAKAMI, Satoru SADOHARA
- 0364 UNCERTAINTY MODELING FOR DISASTER LOSS ESTIMATION
Felix WONG, Hanyao CHEN, Weimin DONG
- 0380 DEVELOPMENT OF A NATIONAL EARTHQUAKE RISK ASSESSMENT MODEL FOR TAIWAN
R.Scott LAWSON, Chin-Hsiung LOH, Weimin DONG
- 0388 THE ECONOMIC BENEFITS OF A DISASTER RESISTANT UNIVERSITY
Mary COMERIO
- 0403 EARTHQUAKE DAMAGE AND RISK EXPERIENCE AND MODELLING IN NEW ZEALAND
David Dowrick, David Rhoades
- 0419 THE USE OF INSURANCE AND OTHER POLICY INSTRUMENTS IN MANAGING CATASTROPHIC RISK
Scott Lawson, Paul Kleindorfer, Patricia Grossi, Howard Kunreuther, Weimin Dong
- 0471 METHODS AND DIFFICULTIES OF NATURAL HAZARD ASSESSMENT - A REINSURANCE PERSPECTIVE
Paul Hertelendy, Dörte Aller, Rick Thomas
- 0484 MACRO-ZONATION OF POTENTIAL SEISMIC RISK IN URBAN CITIES
Satoru SADOHARA, Urakawa GO, Suminao MURAKAMI
- 0537 DEVELOPMENT OF THE SEISMIC DISASTER INFORMATION SYSTEM FOR HIROSHIMA CITY
Kenzo FUJIWARA, Satoshi FURUKAWA, Fusanori MIURA, Yasushi SASAKI, Hiroyuki KONISHI
- 0629 DEVELOPMENT OF ASSEMBLING TIME MAP FOR EMERGENCY ACTION
Harumi YASHIRO, Makoto TAKAHASHI, Sei'ichiro FUKUSHIMA
- 0633 FROM EARTHQUAKES TO THE CAPITAL MARKETS: RISK TRANSFER SOLUTIONS TO MANAGE THE ECONOMIC CONSEQUENCES OF EARTHQUAKES
Martin Bertogg, Edouard Schmid
- 0688 SOCIAL SYSTEM FOR PERFORMANCE BASED DESIGN (P.B.D.) OF BUILDING STRUCTURES -- ITS PERSPECTIVE AND KEY ELEMENTS --
Katsumi YANO, Yoshinobu HIRANO, Wataru GOJO
- 0706 AN ABSOLUTE EARTHQUAKE RISK INDEX FOR INSURANCE PURPOSES
Alexander ALLMANN, Sven EHRLICHER, Anselm SMOLKA
- 0733 STUDY ON MUTUAL AID OF LOCAL GOVERNMENTS AFTER THE 1995 HYOOKEN-NANBU EARTHQUAKE DISASTER
C WATANABE, S OKADA
- 0777 EVALUATING OPTIMAL STRATEGIES TO IMPROVE EARTHQUAKE PERFORMANCE FOR COMMUNITIES
Anju Gupta
- 0864 DECISION-MAKING METHOD IN THE EARTHQUAKE DISASTER PREVENTION ADMINISTRATION BASED ON AN ECONOMIC MEASURE
Naotsune TAGA, Tadashi SEIKE
- 1006 LONG-TERM EXPERIENCE OF ACTIVE DISASTER MITIGATION AND OBJECTIVES OF THE 21ST CENTURY
Valery Abarykov, Mark Klyachko
- 1018 DEVELOPMENT OF A SIMULATION METHOD FOR EVACUATION BY WHEELCHAIR USING DISTINCT ELEMENT METHOD
Koichi Takimoto, Masahiro Kubodera, Fusanori Miura
- 1029 STUDY OF CASUALTIES DUE TO EARTHQUAKE DISASTERS AND OTHER ACCIDENTS IN JAPAN
RIE NOBUHARA, YUKO SUMIYOSHI, MICHIO MIYANO
- 1036 REAL-TIME ASSESSMENT OF EARTHQUAKE DISASTER IN YOKOHAMA BASED ON DENSE STRONG-MOTION NETWORK
Saburoh MIDORIKAWA, Susumu ABE

INDEX BY TOPIC

09 SOCIAL & ECONOMIC ISSUES

- 1055 PROBLEMS WITH REBUILDING LIVES AFTER THE GREAT HANSHIN-AWAJI EARTHQUAKE DISASTER, BASED ON SURVEY USING QUESTIONNAIRES AT RESTORATION PUBLIC HOUSING
Hiroyuki KITAMOTO, Michio MIYANO, Ryoko IIJIMA
- 1102 EARTHQUAKE INSURANCE RATES FOR RC HIGH-RISE COMMERCIAL BUILDINGS IN TAIWAN
Maw-Shyong SHEU, Yi-Hsuan TU, Pai-Mei LIU
- 1104 HUMAN CASUALTY ESTIMATION DUE TO URBAN EARTHQUAKE
Norio MAKI, Hengjian LU, Masayuki KOHIYAMA, Satoshi TANAKA, Haruo HAYASHI
- 1196 SEISMIC RISK ANALYSIS OF BUILDINGS USING SFEM
Achintya Haldar, Sang-Guen Seo, Jungwon Huh
- 1202 CONSTRUCTION OF A DATA BASE SYSTEM FOR IRRIGATION DAMS
TANI SHIGERU
- 1253 A BALANCED APPROACH TO EARTHQUAKE RISK USING MODERN ANALYSIS METHODS
Craig Tillman
- 1288 ETHNOGRAPHIC ANALYSIS OF INDIVIDUAL BEHAVIOR FOLLOWING THE HANSHIN-AWAJI EARTHQUAKE DISASTER
Kishie SHIGEKAWA, Haruo HAYASHI, Satoshi TANAKA, Humie AONO
- 1308 INDIRECT LOSS ESTIMATION USING ELECTRICITY CONSUMPTION INDEX
Masasuke TAKASHIMA, Haruo HAYASHI
- 1401 ASSESSMENT OF CASUALTIES' STATES DURING DESTRUCTIVE EARTHQUAKES
Zhendong ZHAO, Xiangyuan Zheng
- 1423 MEASURES AGAINST EARTHQUAKES AND FUTURE PLANS ON THE STRUCTURES BASED ON "THE SHIZUOKA PREF. ACTION PROGRAM AGAINST EARTHQUAKES"
Kinji NAGATA, Kyoko YOKOTA, Hiromichi NAKAMURA, Fujio SAKAKIBARA, Harumichi HINO, Toshio SHIBATA, Youichi AOKI
- 1434 DEVELOPMENT OF THE SIMULATION SYSTEM FOR URBAN DISASTER PREVENTION
Shukyo SEGAWA, Yasushi KOMARU
- 1472 EARTHQUAKE ENGINEERING AND INSURANCE: PAST, PRESENT AND FUTURE
GEORGE WALKER
- 1477 WHY WERE OVER 5500 HUMAN LIVES LOST IN KOBE, HOW TO PROTECT IN FUTURE
Minoru YAMADA
- 1497 OPTIMAL STRATEGY FOR BUSINESS RECOVERY AFTER EARTHQUAKES
Ayhan Irfanoglu, Simon Wilkie, Alfred Mason, James Beck, Younes Achkire
- 1500 BUILDING DAMAGE ASSESSMENT FOR EARTHQUAKE LOSS ESTIMATION IN TAIWAN
Chin-Hsiung LOH, Wen-Yu JEAN, Chin-Hsun YEH
- 1510 URBAN LOCAL EARTHQUAKE DISASTER RISK INDEX
Lanxi XIAO, Ting YANG, Yuanqing ZHU
- 1624 INTEGRATED AND INTERACTIVE RISK ASSESSMENT PLATFORM FOR WELLINGTON, NEW ZEALAND
David Heron, Steven Jensen, John Savage, Jim Cousins, Michael Kozuch
- 1676 SEISMIC VULNERABILITY OF THE MEGA CITY OF TEHRAN
Fariborz NATEGHI-A
- 1699 TOWARDS EARTHQUAKE SCENARIOS UNDER THE CONDITIONS OF ROMANIA
Horea SANDI, Emil-Sever GEORGESCU
- 1766 AN INVESTIGATION OF THE RECENT EARTHQUAKE DISASTERS FROM A VIEW POINT OF URBAN ENGINEERING
Hisashi HOKUGO, Shigekatsu ICHIHASHI
- 1800 SIMULATION OF EVACUATION BEHAVIOR FROM AN UNDERGROUND PASSAGEWAY DURING AN EARTHQUAKE
Kenzo TOKI, Fusanori MIURA, Junji KIYONO
- 1807 ATC-50, SEISMIC GRADING AND RETROFITTING PROJECT FOR DETACHED SINGLE-FAMILY WOOD-FRAME DWELLINGS
Ronald Eguchi, Christopher Rojahn
- 1912 THE SEISMIC PREVENTION AS A CONTINUOUS PROJECT OF URBAN DEVELOPMENT, SAN JUAN CITY, ARGENTINE
Maria del Pilar ESPINOSA, Nora Elsa NACIF
- 1968 SEISMIC DAMAGE EVALUATION OF HOUSEHOLD PROPERTY BY USING GEOGRAPHIC INFORMATION SYSTEM (GIS)
Takuma SAEKI, Hiroaki TSUBOKAWA, Saburoh MIDORIKAWA
- 2024 EARTHQUAKE RISK MANAGEMENT AND EMERGENCY RESPONSE SCENARIO SIMULATOR
Masatake NAGANO, Masashi TANAI, Jyun-ichi IKEDA

INDEX BY TOPIC

09 SOCIAL & ECONOMIC ISSUES

- 2107 THE GHAEN EARTHQUAKE: PREPAREDNESS AND RESPONSE AMONG RUSTIC PEOPLE
F Parsizadeh
- 2252 FLEXIBLE METHOD TO EVALUATE SEISMIC FRAGILITY
S FUKUSHIMA, H KATUKURA, H YASHIRO
- 2334 SIMULATION OF SPREADS OF FIRE ON CITY SITE BY STOCHASTIC CELLULAR AUTOMATA
Akinori TANI, Atsushi TAKIZAWA, Hiroshi KAWAMURA, Atsushi YAMADA
- 2412 SEISMIC AND COMPLEX RISK ASSESSMENT AND MANAGEMENT FOR THE KAMCHATKA REGION
A Ugarov, N Frolova, G Nigmatov, M Shakhramanjan, V Larionov, S Suchshev
- 2537 RADIUS PROJECT IN SKOPJE, REPUBLIC OF MACEDONIA
Zoran Milutinovic, Risto Penov, Branka Stanojevska
- 2557 NON-REGULATORY APPROACHES TO EARTHQUAKE RISK REDUCTION: THE NEW ZEALAND EXPERIENCE
Neil BRITTON, Gerard CLARK
- 2558 ISSUES FOR REGULATORY ENFORCEMENT AND COMPLIANCE WITH BUILDING CODES: AMERICAN PERSPECTIVES
Peter May, Raymond BURBY
- 2613 SEISMIC AWARENESS TRAINING THROUGH DEMONSTRATION PROJECT
Satyendra Gupta
- 2643 HOLISTIC SEISMIC RISK ESTIMATION OF A METROPOLITAN CENTER
Omar CARDONA, Jorge HURTADO
- 2719 HOUSING RECOVERY AFTER KOBE: THE URBAN PLANNING PROCESS
Jane Preuss
- 2728 RECENT DAMAGING EARTHQUAKES OF INDIA AND RELATED SOCIETAL ISSUES
PRABHAS PANDE
- 2729 EARTHQUAKE PROTECTION FOR BUSINESSES
Steven VUKAZICH, Morio INO, Guna SELVADURAY, Robert REITHERMAN
- 2731 THE APPLICATION OF A US CORPORATE INDUSTRIAL SEISMIC PROGRAM IN JAPAN: A COOPERATIVE APPROACH
Robert Lanning, David Bonneville
- 2821 A BUILDING DAMAGE ESTIMATION METHOD FOR BUSINESS RECOVERY
Keith Porter, Anne Kiremidjian, Jeremiah LeGrue, Stephanie King

10 LESSONS FROM RECENT EARTHQUAKES

- 0054 CHANGING PERCEPTIONS OF THE EXTENT OF DAMAGE TO WELDED STEEL MOMENT FRAMES IN THE NORTHRIDGE EARTHQUAKE
Mourad ATTALLA, Terrence PARET
- 0084 CRITERIA FOR A SEISMIC MICROZONING OF A LARGE AREA IN CENTRAL ITALY
L LUZI, V PETRINI, T SANO, F PERGALANI, A PUGLIESE, R ROMEO
- 0121 PROBLEMS ON EARTHQUAKE DISASTERS IN RURAL AREAS, CONSIDERATION FROM THE RECENT DAMAGING EARTHQUAKES IN HOKKAIDO, NORTHERN JAPAN
Hiroshi KAGAMI
- 0137 THE SEISMIC DESIGN MARGINS FOR SPHERICAL GAS TANKS
Akihiro Takiguchi
- 0217 LEARNING FROM STRUCTURAL AND NONSTRUCTURAL SEISMIC PERFORMANCE OF 20 EXTENSIVELY INSTRUMENTED BUILDINGS
Farzad NAEIM
- 0318 AN ANALYSIS OF DAMAGE TO HANSHIN ELEVATED EXPRESSWAY DURING 1995 KOBE EARTHQUAKE
Yoza FUJINO, Satoko ABE, Masato ABE
- 0447 A SURVEY OF DAMAGE CAUSED BY 1998 EARTHQUAKE IN THE SOCA VALLEY (SLOVENIA)
Renato VIDRIH, Matja GODEC, Mihael RIBICIC
- 0479 INFLUENCE OF LOCAL SOIL CONDITIONS ON INTENSITY DISTRIBUTION IN CESI (ITALY) DURING THE UMBRIA EARTHQUAKES (SEPTEMBER 1997)
Eythymios LEKKAS, Ioannis FOUNTOULIS
- 0480 THE ADANA EARTHQUAKE (TURKEY) - SEISMOTECTONIC FRAMEWORK, GEODYNAMIC PHENOMENA, IMPACT ON THE STRUCTURED ENVIRONMENT
Eythymios LEKKAS, Emmanuel VASSILAKIS
- 0510 BEHAVIOR OF LIGHTING SYSTEM IN THE HANSIN-AWAJI EARTHQUAKE DISASTER
Michio MIYANO, Tadashi DOI, Hiroyuki KITAMOTO

INDEX BY TOPIC

10 LESSONS FROM RECENT EARTHQUAKES

- 0533 SOCIAL WELFARE FACILITIES' DAMAGE AND THEIR CORRESPONDENCE ON 1995 GREAT HANSHIN-AWAJI EARTHQUAKE
Keishi SHIONO, Shunkichi KOSAKA, Michio MIYANO
- 0590 DAMAGE AND NUMERICAL SIMULATION OF ACCIANO (ITALY) EARTH DAM DURING 1997 UMBRIA-MARCHE EARTHQUAKE
B BRISEGHELLA, L BRISEGHELLA
- 0628 EARTHQUAKE DAMAGE TO HISTORIC AND OLDER ADOBE BUILDINGS DURING THE 1994 NORTHRIDGE, CALIFORNIA EARTHQUAKE
Frederick WEBSTER, E.Leroy TOLLES
- 0653 GEOTECHNICAL ISSUES OF THE JUNE 27, 1998 ADANA-CEYHAN EARTHQUAKE
Korhan ADALIER, Ogun AYDINGUN
- 0780 DAMAGE IN ANCIENT CHURCHES DURING THE 9TH OF JULY, 1998 AZORES EARTHQUAKE
João Azevedo, Mário Lopes, Jorge Proença, Luis Guerreiro, Rita Bento
- 0959 STRONG MOTION CHARACTERISTICS NEAR THE SOURCE REGION OF THE HYOOKEN-NANBU EARTHQUAKE FROM ANALYSES OF THE DIRECTIONS OF STRUCTURAL FAILURES
Kazuoh Seo, Kentaro Motoki
- 1046 LOCAL AMPLIFICATION EFFECTS RECORDED BY A LOCAL STRONG MOTION NETWORK DURING THE 1997 UMBRIA-MARCHE EARTHQUAKE
A PUGLIESE, T SANO, G MILANA, P MARSAN
- 1065 CONSIDERATIONS OF VERTICAL ACCELERATION ON STRUCTURAL RESPONSE
Brian Kehoe, Mourad Attalla
- 1127 ANALYSIS OF DAMAGE OF STEEL REINFORCED CONCRETE BUILDING FRAMES BY 1995 HYOOKEN-NANBU EARTHQUAKE
Kouichi MINAMI, Junichi SAKAI, Chiaki MATSUI Chiaki MATSUI
- 1134 STRUCTURAL BEHAVIOR OF "RAIMUNDO MARTINEZ CENTENO" HIGH SCHOOL ON 07/09/1997 CARIACO EARTHQUAKE
A MARINILLI, E CASTILLA
- 1213 INVESTIGATION AND ELASTO-PLASTIC ANALYSIS OF AN RC BUILDING IN WHICH MAJOR SLIPPAGE OCCURRED ON THE 1ST FLOOR-SLAB DURING THE 1995 HYOGO-KEN NANBU EARTHQUAKE
Wataru SHINAGAWA, Akira MIZUKAMI, Eiji MAKITANI, Tomoko ONODERA
- 1349 LESSONS FROM RECENT EARTHQUAKES – FIELD MISSIONS OF GERMAN TASK FORCE
G Schmidt, M Raschke, J Schwarz, J Zschau, M Baumbach, F Wuttke, D Lang
- 1366 THE PERFORMANCE OF STRENGTHENED MASONRY BUILDINGS IN RECENT EUROPEAN EARTHQUAKES.
Robin SPENCER, Filomena PAPA, Carlos OLIVEIRA, Dina D'AYALA, Giulio ZUCCARO
- 1375 A PROPOSITION ON PREDICTING EARTHQUAKE DAMAGE
Leslie SATO, Masashi SATO, Takashi SATO, Hiroomi URAKAWA, Takakichi KANEKO
- 1453 UMBRIA-MARCHES EARTHQUAKE OF 26 SEPTEMBER 1997: DAMAGE SCENARIOS AND VULNERABILITY SOURCES IN THE NOT-ASEISMIC MASONRY BUILDINGS
S Viti, R Nudo, G Sarà, A Boni, G Barbetti, F Marilli
- 1569 BUILDING DESIGN FOR FIRE AFTER EARTHQUAKE
Andy BUCHANAN, Russ BOTTING
- 1630 THE 1997 UMBRIA-MARCHE EARTHQUAKE: ANALYSIS OF THE RECORDS OBTAINED AT THE ENEA ARRAY STATIONS
Dario RINALDIS, Giovanni BONGIOVANNI, Paolo CLEMENTE
- 1635 APPROXIMATE STABILITY BOUNDS ON THE SEISMIC FORCE REDUCTION FACTOR
M DE STEFANO, A RUTENBERG
- 1722 DETERMINATION OF BUILDING DAMAGE DUE TO EARTHQUAKES USING AERIAL TELEVISION IMAGES
Hirota HASEGAWA, Fumio YAMAZAKI, Izumi SEKIMOTO, Masashi MATSUOKA
- 1731 DAMAGE CHARACTERISTICS OF WOODEN HOUSES IN NEAR FAULT CAUSED BY KOBE EARTHQUAKE AND RELATED GROUND MOTIONS
Yoshinori IWASAKI
- 1753 THE ADANA-CEYHAN EARTHQUAKE OF 27 JUNE 1998: SEISMIC RETROFIT OF 120 R/C BUILDINGS
Haluk SUCUOGLU, Türel GÜR, Polat GÜLKAN
- 1906 PHOTO-INTERPRETATION OF BUILDING DAMAGE DUE TO EARTHQUAKES USING AERIAL PHOTOGRAPHS
Fumio YAMAZAKI, Naoki OGAWA
- 2038 ESTIMATION OF STRONG GROUND MOTION AND BUILDING DAMAGE IN THE 1995 HYOGO-KEN-NANBU EARTHQUAKE
Hiroshi KAWASE, Yoshikazu KITAGAWA, Masaomi TESHIGAWARA, Masato USAMI

INDEX BY TOPIC

10 LESSONS FROM RECENT EARTHQUAKES

- 2056 POST-EVENT DATA COLLECTION USING MOBILE GIS/GPS AND DEVELOPMENT OF SEISMIC EVALUATION TECHNIQUE FOR DAMAGE
Satoshi IWAI, Hiroyuki KAMEDA
- 2178 A STUDY ON DAMAGED BUILDING DATA OF THE 1995 HYOGO-KEN-NANBU EARTHQUAKE
Hiroshi ISHIDA, Kazuaki TORISAWA, Masayuki KOHIYAMA, Kaoru MIZUKOSHI, Tsunehisa TSUGAWA
- 2201 COLFIORITO 1997 EARTHQUAKES: DAMAGES, SEVERITY, OBSERVATION AND SITE EFFECTS
Andrea TERTULLIANI
- 2236 ENGINEERING, STATE & INSURANCE EFFORTS FOR REDUCTION OF SEISMIC RISK IN ROMANIA
Alexandru ALDEA, Dan Lungu
- 2237 ESTABLISHING CORRELATION BETWEEN VULNERABILITY AND DAMAGE SURVEY FOR CHURCHES
Dina D'Ayala
- 2312 RISK EVALUATION METHOD OF BUILDING COLLAPSE FROM THE EXPERIENCE OF THE KOBE EARTHQUAKE
Osamu MURAO, Hiroyuki TANAKA, Fumio YAMAZAKI
- 2339 STRUCTURAL BEHAVIOR DURING THREE MODERATE MEXICAN EARTHQUAKES.
Terán-Gilmore Amador, Juárez-García Hugón, Sordo-Zabay Emilio, Gómez-Bernal Alonso
- 2451 FRAGILITY CURVES FOR BUILDINGS IN JAPAN BASED ON DAMAGE SURVEYS AFTER THE 1995 KOBE EARTHQUAKE
Naoya YAMAGUCHI, Fumio YAMAZAKI
- 2454 PERFORMANCE OF WOOD-FRAME CONSTRUCTION IN EARTHQUAKES
Erol Karacabeyli, J. Hans Rainer
- 2494 GROUND EFFECTS IN THE SEPTEMBER-OCTOBER 1997 UMBRIA-MARCHE (CENTRAL ITALY) SEISMIC SEQUENCE AND THEIR SIGNIFICANCE FOR SEISMIC HAZARD ASSESSMENT
A SIMONELLI, E VITTORI, L SERVA, S PORFIDO, A MICHETTI, G MASTROLORENZO, E ESPOSITO, L FERRILI
- 2497 NUMERICAL SIMULATION OF THE REFERENCE GROUND MOTION IN FABRIANO (MARCHE, ITALY)
Enrico PRIOLO
- 2498 SEISMOGENETIC MODELS BASED ON KELVIN-MAXWELL VISCOSITIES
Giovanni FINZI-CONTINI
- 2499 INFLUENCE OF SOIL DYNAMIC PARAMETERS ON SEISMIC RESPONSE OF A SITE AT FABRIANO, ITALY
Giovanni VANNUCCHI, Claudia MADIAl, Diego LO PRESTI, Teresa CREPELLAN
- 2500 MODELLING OF THE SEISMIC GROUND MOTION FOR THE UMBRIA-MARCHE EARTHQUAKE SEQUENCE (SEPTEMBER 1997)
Giordano CHIMERA, Peter SUHADOLC, Angela SARAÒ, Fabio ROMANELLI, Giuliano PANZA, Concettina NUNZIATA, Giovanni COSTA, Abdelkrim AOUDIA, Franco VACCARI
- 2506 AN EMERGENCY TECHNICAL OPERATION HANDBOOK FOR CIVIL PROTECTION OPERATIVE CENTERS BORN OF THE ITALIAN EXPERIENCE IN UMBRIA-MARCHE AND POLLINO EARTHQUAKES
Aurelio PETRACCA, Livio CORAZZA, Filomena PAPA, Giovanni CIALONE, Antonio MARTINELLI, Carlo MUTIGNANI, Angelo PIZZA, Mario BELLIZZI, Giancarl MARINI, Riccardo COLOZZA, Giandomenico CIFANI
- 2509 DYNAMIC GEOTECHNICAL CHARACTERIZATION OF SOILS SUBJECTED TO UMBRIA AND MARCHES EARTHQUAKE
Michele MAUGERI, Diego LO PREST, Antonio CAVALLARO
- 2514 HOSPITALS' BEHAVIOR DURING THE SEPTEMBER 1997 EARTHQUAKE IN UMBRIA AND MARCHE (ITALY)
S BIONDI, T SANO, A DE SORTIS, G DI PASQUALE, L VANZI, G ORSINI, C NUTI
- 2517 CRITERIA FOR RETROFITTING BUILDINGS IN UMBRIA-MARCHE EARTHQUAKE
Alberto CHERUBINI, Paolo ANGELETTI
- 2518 VARIATION OF TOURIST FLOWS IN THE UMBRIA REGION AFTER THE SEPTEMBER 26, 1997, COLFIORITO (CENTRAL ITALY) EARTHQUAKE
Fabrizio MERONI, Anna MONTINI, Gaetano ZONNO, Mariella CALEFFI, Roberto ZOBOLI
- 2565 LOCAL INTENSITY VARIATIONS IN THE CITY OF ROME DURING THE 1997-1998 UMBRIA-MARCHE (ITALY) SEISMIC SEQUENCE AS INFERRED BY SCHOOL QUESTIONNAIRE SURVEYS
A TERTULLIANI, F CIFELLI, F FUNICIELLO, S DONATI
- 2593 ENGINEERING INVOLVEMENT IN POST-NORTHRIDGE DAMAGE ASSESSMENT AND REPAIR OF WOOD-FRAME DWELLINGS
Brian McDonald, John Oстераas, Lisa Shusto
- 2804 THE JANUARY 25TH, 1999, EARTHQUAKE IN THE COFFEE GROWING REGION OF COLOMBIA
Omar CARDONA, Luis GARCIA
- 2805 THE JANUARY 25TH, 1999 EARTHQUAKE IN THE COFFEE GROWING REGION OF COLOMBIA: TECTONIC AND SEISMOLOGICAL ASPECTS
JULIÁN ESCALLÓN, ADOLFO ALARCÓN

INDEX BY TOPIC

10 LESSONS FROM RECENT EARTHQUAKES

- 2806 EVALUATION OF THE DYNAMIC SUBSOIL RESPONSE OF THE VOLCANIC DEPOSITS AND MAN-MADE FILLS AND IMPLICATIONS FOR SITE STUDIES AND DESIGN
Luis YAMIN, Bernardo CAICEDO, Erick SOLANO
- 2807 JANUARY 25TH 1999 EARTHQUAKE IN THE COFFEE GROWING REGION OF COLOMBIA DAMAGE DESCRIPTION IN THE AREA AND EMERGENCY RESPONSE
Omar CARDONA
- 2808 THE JANUARY 25TH, 1999, EARTHQUAKE IN THE COFFEE GROWING REGION IN COLOMBIA: EFFECTIVENESS OF THE SEISMIC MITIGATION PROJECT OF PEREIRA AND NEIGHBORING TOWNS
Ana CAMPOS
- 2809 THE JANUARY 25, 1999, EARTHQUAKE IN THE COFFEE GROWING REGION OF COLOMBIA: ACCELEROGRAPHIC RECORDS, STRUCTURAL RESPONSE AND DAMAGE, CODE COMPLIANCE AND ENFORCEMENT
Luis GARCÍA
- 2851 PERFORMANCE OF INDUSTRIAL FACILITIES IN THE AUGUST 17, 1999 IZMIT EARTHQUAKE
Mohsen RAHNAMA, Guy MORROW
- 2857 EVALUATION AND DESIGN CRITERIA FOR RESTORING AND RETROFITTING DAMAGED MASONRY BUILDINGS
F MOLLAIOLI, G DI PASQUALE, A DE SORTIS, U NASINI

11 OTHER TOPICS

- 0238 STRENGTH TESTING OF SUSPENDED CEILING SYSTEMS AND CONSTRUCTION DEFECTS IN TAIWAN
George YAO
- 0275 FUNCTIONALITY OF THE ARCHITECTURAL PROGRAM IN THE REMODELING OF EXISTING HOSPITALS IN SEISMIC ZONES OF VENEZUELA
Teresa GUEVARA, Yolanda ALVAREZ
- 0858 TOWARDS AN EARTHQUAKE ARCHITECTURE
Mark TAYLOR, Andrew CHARLESON
- 1112 TSUNAMI SIMULATION USING DYNAMIC GROUND DISPLACEMENT DUE TO SEISMIC FAULTING
Tatsuo OHMACHI, Hiroyuki MATSUMOTO, Hiroshi TSUKIYAMA
- 1298 DEVELOPMENT OF A PICTOGRAM SYSTEM FOR EARTHQUAKE AND TSUNAMI DISASTER REDUCTION
Kazunori URABE, Satoshi INOUE, Haruo HAYASHI, Satoshi TANAKA, Nobuhisa DEKI, Haruhide YOSHIDA
- 1763 FIRE RESISTANCE OF SEISMIC JOINTS
Michael James, Andy Buchanan
- 1854 URBAN SPACE DESIGN AND SAFETY EVALUATION FROM THE VIEWPOINT OF EVACUATION BEHAVIOR OF USERS
Kimiro MEGURO, Masaya HARADA
- 1868 SEISMIC-RESISTANT ARCHITECTURE ON AN URBAN SCALE (A MORPHOLOGICAL ANSWER)
V Rodríguez, H Giuliani
- 2102 SEISMIC RISK ASSESSMENT AND MITIGATION OF TWO EXISTING HOSPITALS IN ITALY
Camillo NUTI, Ivo VANZI, Maurizio FERRINI
- 2108 ACCOUNTING FOR FIRE FOLLOWING EARTHQUAKES IN THE DEVELOPMENT OF PERFORMANCE BASED BUILDING CODES
John N ROBERTSON, James R MEHAFFEY
- 2140 TOWARD DEVELOPMENT OF A PREDICTIVE MODEL FOR DRIFT LIMITS IN ARCHITECTURAL GLASS UNDER SEISMIC LOADINGS
Richard BEHR, Ali MEMARI, Paul KREMER
- 2456 SEISMIC RESISTANT ARCHITECTURE: A THEORY FOR THE ARCHITECTURAL DESIGN OF BUILDINGS IN SEISMIC ZONES
Hugo GIULIANI
- 2462 THE DESIGN OF BUILDING SERVICES FOR EARTHQUAKE RESISTANCE
Graeme BEATTIE
- 2589 1994 NORTHRIDGE EARTHQUAKE: DAMAGE TO A FOUR-STORY STEEL BRACED FRAME BUILDING AND ITS SUBSEQUENT UPGRADE
Stacy Bartoletti, David Bonneville, Dominic Kelly
- 2590 UPDATING CORPORATE SEISMIC PROGRAMS IN RESPONSE TO RECENT CALIFORNIA EARTHQUAKES
Chris Poland
- 2591 SEISMIC RESPONSE, EVALUATION, AND RECONSTRUCTION OF THE DVA SEPULVEDA CAMPUS FOLLOWING THE 1994 NORTHRIDGE, CALIFORNIA, EARTHQUAKE
James Malley, Raymond Pugliesi, Jeffrey Soulages
- 2592 DISTINGUISHING BETWEEN EARTHQUAKE DAMAGE AND OTHER CONDITIONS
Terrence Paret, Kent Sasaki

INDEX BY TOPIC

11 OTHER TOPICS

- 2596 THE REPAIR OF EARTHQUAKE DAMAGED BUILDINGS
Robert Hanson, Craig Comartin