Presentations

Based on PEER Funded Research

Norman Yousef Tadahiro Nicolas Silvia Sifat Jonathan	Abrahamson Bozorgnia Kishida Kuehn Mazzoni Muin Stewart	NGA-SUB GROUND MOTION DATABASE (ID 1402). A. On-Lei Kwok, B. Chiou, D. Boore, D. Y. Kwak, H. Magistrale, H. Si, J. Stewart, K. Wooddell, K. Campbell, N. Gregor, N. Kuehn, N. Abrahamson, P.-S. Lin, R. Darragh, R. Youngs, S. Midorikawa, S. Ahdi, S. Muin, S. Mazzoni, T. Kishida, T. Ancheta, V. Contreras, W. Silva, Y. Bozorgnia
Jack	Baker	ACCOUNTING FOR THE INFLUENCE OF GROUND MOTION RESPONSE SPECTRAL SHAPE AND DURATION IN THE EQUIVALENT LATERAL FORCE DESIGN PROCEDURE (ID 1268). R. Chandramohan, G. Deierlein, J. Baker
Scott	Brandenberg	NEXT GENERATION LIQUEFACTION (NGL) CASE HISTORY DATABASE STRUCTURE. S. Brandenberg, J. Stewart, et al.
Gregory	Deierlein	ACCOUNTING FOR THE INFLUENCE OF GROUND MOTION RESPONSE SPECTRAL SHAPE AND DURATION IN THE EQUIVALENT LATERAL FORCE DESIGN PROCEDURE (ID 1268). R. Chandramohan, G. Deierlein, J. Baker
Amit	Kanvinde	HYSTERETIC MODELS FOR COLUMN BASE CONNECTIONS (ID 1293). F. Zareian, A. Kanvinde, P. Torres-Rodas
Jonathan	Stewart	NEXT GENERATION LIQUEFACTION (NGL) CASE HISTORY DATABASE STRUCTURE. S. Brandenberg, J. Stewart, et al.
Ertugrul	Taciroglu	REGIONAL PERFORMANCE-BASED SEISMIC ASSESSMENT OF TRANSPORTATION NETWORKS (ID 420). B. Cetiner, E. Taciroglu
		SEISMIC RESPONSE ASSESSMENT OF ORDINARY BRIDGES WITH SKEWED SEAT-TYPE ABUTMENTS (ID 1291). F. Zareian, E. Taciroglu
Vesna	Terzic	RECOVERY MODEL FOR COMMERCIAL BUILDINGS CONSIDERING EARTHQUAKE HAZARD (ID 1660) V. Terzic, D. Saldana, P. Villanueva
Hong Kie	Thio	DEVELOPMENT AND APPLICATIONS OF PROBABILISTIC TSUNAMI HAZARD MAPS FOR THE WESTERN USA (ID 1757) - POSTER. H. K. Thio, W. Li
		DEVELOPMENT AND USE OF PROBABILISTIC TSUNAMI HAZARD ANALYSIS MAPS IN CALIFORNIA (ID 1063) R. Wilson, H. K. Thio, J. Street, K. Miller, L. Johnson, L. Ewing, T. McCrink, Y. LaDuke
Farzin	Zareian	HYSTERETIC MODELS FOR COLUMN BASE CONNECTIONS (ID 1293). F. Zareian, A. Kanvinde, P. Torres-Rodas
		SEISMIC RESPONSE ASSESSMENT OF ORDINARY BRIDGES WITH SKEWED SEAT-TYPE ABUTMENTS (ID 1291). F. Zareian, E. Taciroglu

PEER's mission is to develop, validate, and disseminate performance-based engineering technologies for buildings and infrastructure networks subjected to earthquakes and other natural hazards, with the goal of achieving economic and community resilience.

Presentations & Posters

Norman	Abrahamson	A NON-ERGODIC GROUND-MOTION MODEL FOR JAPAN (ID 1623). N. Kuehn, N. Abrahamson
		ALEATORY VARIABILITY MODEL FOR NGA-EAST (ID 936). L. Alatik, C. Goulet, G. Atkinson, N. Kuehn, N. Abrahamson, R. Graves, R. Youngs
		EVALUATING GROUND MOTION MODIFICATION PROCEDURES WITH THE CONDITIONAL SCENARIO SPECTRA (ID 1212). C. Arteta, N. Abrahamson, S. Mazzoni
		EVALUATION OF CANDIDATE GROUND-MOTION MODELS USED IN NGA-EAST (ID 686). R. Graves, C. Goulet, G. Atkinson, L. Al Atik, N. Kuehn, N. Abrahamson, R. Youngs
		GROUND-MOTION DURATION MODEL FOR SUBDUCTION EARTHQUAKES (ID 623). M. Walling, N. Kuehn, N. Abrahamson, S. Mazzoni
		IMPLICATIONS OF THE INTER-PERIOD CORRELATION OF STRONG GROUND MOTIONS ON STRUCTURAL RISK (ID 611). J. Bayless, N. Abrahamson
		NGA-EAST RESEARCH PROGRAM: LESSON-LEARNED AND FUTURE DIRECTION (ID 1872). Y. Bozorgnia, C. Goulet, G. Atkinson, L. Al Atik, N. Kuehn, N. Abrahamson, R. Graves, R. Youngs
		NGA-EAST: A GROUND MOTION CHARACTERIZATION MODEL FOR CENTRAL AND EASTERN NORTH AMERICA (ID 1871). C. Goulet, G. Atkinson, L. Al Atik, N. Kuehn, N. Abrahamson, R. Graves, R. Youngs, Y. Bozorgnia
		NGA-SUBDUCTION RESEARCH PROGRAM (ID 1705). Y. Bozorgnia, A. Kwok, B. Chiou, C. Ji, D. Boore, D. Y. Kwak, G. Atkinson, G. Parker, H. Magistrale, H. Si, I.M. Idriss, J. Stewart, K. Wooddell, K. Campbell, M. Walling, N. Gregor, N. Kuehn, N. Abrahamson, P.-S. Lin, R. Archuleta, R. Darragh, R. Youngs, R. Kamai, S. Midorikawa, S. Ahdi, S. Muin, S. Mazzoni, T. Kishida, T. Ancheta, V. Contreras, W. Silva, Z. Gulerce
		PRELIMINARY GROUND MOTION MODEL FOR SUBDUCTION EARTHQUAKES BASED ON NGA-SUB JAPAN DATABASE (ID 648). N. Abrahamson, Z. Gulerce
		PLENARY SPEAKER (ID PLENARY02). N. Abrahamson
		USE OF SEISMIC HAZARD CALCULATIONS IN THE NGA EAST SSHAC PROCESS (ID 1094). R. Youngs, C. Goulet, G. Atkinson, L. Al Atik, N. Kuehn, N. Abrahamson, R. Graves, Y. Bozorgnia
Thalia	Anagnos	DEVELOPMENTS IN EARTHQUAKE ENGINEERING HISTORY AS DOCUMENTED BY ORAL HISTORIES (ID 1902). J. Anderson, L. Johnson, L. Wyllie, Jr., R. Reitherman, T. Anagnos
		LFE AS A DEVELOPMENT TOOL FOR NEXT GENERATION EARTHQUAKE PROFESSIONALS (ID 1852). A. Julius, F. Rivera, K. Wittels, M. Comerio, R. Walker, T. Anagnos
Pedro	Arduino	ENHANCING EARTHQUAKE ENGINEERING RESEARCH THROUGH THE DESIGNSAFE CYBERINFRASTRUCTURE (ID 1082). E. Rathje, G. Mosqueda, J. Padgett, L. Lowes, M. Eslami, N. Marafi, P. Arduino, S. Brandenberg
Scott	Ashford	ANALYSIS OF CONCRETE-LINED TUNNELS CROSSING ACTIVE FAULTS (ID 807) - POSTER. S. Lange, H. B. Mason, M. Scott, S. Ashford
Domniki	Asimaki	SEISMIC RESILIENCY ASSESSMENT OF URBAN REGIONS AND LIFELINES (PANEL OPENING PRESENTATION) (ID 1400). D. Asimaki, E. Taciroglu
		TOWARDS SCENARIO-BASED SIMULATIONS OF COUPLED DISTRIBUTED SYSTEM RESPONSE ON A CITY-SCALE (ID 1829). D. Asimaki
Abolhassan	Astaneh-Asl	SEISMIC DESIGN AND BEHAVIOR OF A NEW HIGH-PERFORMANCE STEEL PLATE SHEAR WALL SYSTEM (ID 696). X. Qian, A. Astaneh-Asl
		THE NEW SAS BAY BRIDGE- ANALYSIS OF CURRENT PROBLEMS WITH SUGGESTIONS FOR SEISMIC RETROFIT (ID 1105). A. Astaneh-Asl, M. Tabbakhha, X. Qian

Presentations & Posters

Jack	Baker	A STRUCTURAL RESPONSE PREDICTION ENGINE TO SUPPORT ADVANCED SEISMIC RISK ASSESSMENT (ID 1805) - POSTER. C. Haselton, D. (J.) DeBock, D. Cook, J. Baker, K. Wade
		CROWD-SOURCED REMOTE ASSESSMENTS OF REGIONAL-SCALE POST-DISASTER DAMAGE (ID 678). S. Loos, A. Kiremidjian, B. Herfort, B. Girardot, C. Giovando, D. Lallemant, G. Bhattacharjee, G. Deierlein, J. Baker, K. Barns, K. Saito, M. Eckle, R. Soden
		Expected Seismic Performance Of The Base-Isolated San Bernardino Law And Justice Center - SPEAKERS (ID SS106A). B. Aagaard, J. Baker, R. Graves, S. Day
		ISSUES WITH APPLYING PERFORMANCE-BASED ENGINEERING TO DISTRIBUTED INFRASTRUCTURE SYSTEMS (ID 1817). J. Baker
		PBEE APPLICATIONS FOR RESILIENT TRANSPORTATION SYSTEMS (ID THEME12). J. Baker
		QUANTIFYING THE BENEFITS OF BUILDING INSTRUMENTS TO FEMA P-58 DAMAGE AND LOSS PREDICTIONS (ID 199). G. Cremen, J. Baker
		QUANTIFYING THE POST-EARTHQUAKE DOWNTIME INDUCED BY CORDONS AROUND DAMAGED TALL BUILDINGS (ID 421). A. Hulsey, G. Deierlein, J. Baker
		RISK ANALYSIS AND RISK MANAGEMENT FOR INDUCED SEISMICITY (ID 203). J. Baker, A. Gupta
		SELECTION OF CYBERSHAKE TIME SERIES FOR ENGINEERING BUILDING CODE ANALYSES (ID 56). G. Teng, J. Baker
		SPATIAL CORRELATIONS IN CYBERSHAKE PHYSICS-BASED GROUND MOTION SIMULATIONS &NDASH; PRELIMINARY RESULTS (ID 55). J. Baker, Y. Chen
		TO REPAIR OR NOT? EVALUATING COST-EFFECTIVENESS OF POST-EARTHQUAKE BUILDING REPAIR USING SEISMIC RISK AND REAL ESTATE INVESTMENT ANALYSES (ID 397) - POSTER. M. Markhvida, J. Baker
Andre	Barbosa	ASSESSING, CODING AND MARKING OF HIGHWAY STRUCTURES IN EMERGENCY SITUATIONS (ID 505). M. Veletzos, A. Barbosa, G. Roe, K. Tabrizi, M. Olsen, P. Burns, Z. Chen
		DYNAMIC TESTING AND ANALYSIS OF MULTI-STORY ROCKING CROSS LAMINATED TIMBER WALLS (ID 351). S. Wichman, A. Barbosa, D. Dolan, E. McDonnell, J. Berman, J. van De Lindt, R. Zimmerman, S. Pei
		FULL-SCALE SHAKE TABLE TESTING OF A TWO-STORY MASS-TIMBER ROCKING WALL BUILDING (ID 1144). S. Pei, A. Barbosa, E. McDonnell, H.-E. Blomgren, J. Dolan, J. Berman, J. van De Lindt, R. Zimmerman
		POST-EARTHQUAKE RESTORATION MODELING OF ROADWAYS AND BRIDGES: A SURVEY BASED APPROACH (ID 1231). A. Barbosa, B. Webb, J. Padgett, S. Misra
		SEISMIC AFTERSHOCK FRAGILITY ANALYSIS OF STEEL BUILDINGS BASED ON STOCHASTIC GROUND MOTIONS (ID 352). I. Gidaris, A. Barbosa, J. Padgett
Tracy	Becker	COLLAPSE IN SLIDING ISOLATED MRFS CONSIDERING DIFFERENT DESIGN METHODOLOGIES (ID 122). Y. Bao, T. Becker
Jeffrey	Berman	ACCOUNTING FOR DEMAND VARIABILITY OF STEEL BRACED FRAMES WITH A COMBINED INTENSITY MEASURE (ID 1003). N. Marafi, A. Sen, C. Roeder, D. Lehman, J. Berman, M. Eberhard, T. Li
		CHEVRON BRACED FRAMES WITH YIELDING BEAMS: EXPERIMENTS AND NUMERICAL ANALYSIS (ID 1161). J. Berman, A. Sen, C. Roeder, C. Terpstra, D. Lehman, R. Liu, S. Ibarra, T. Li
		DYNAMIC TESTING AND ANALYSIS OF MULTI-STORY ROCKING CROSS LAMINATED TIMBER WALLS (ID 351). S. Wichman, A. Barbosa, D. Dolan, E. McDonnell, J. Berman, J. van De Lindt, R. Zimmerman, S. Pei
		EFFECTS OF BASINS DURING SUBDUCTION EARTHQUAKES ON THE COLLAPSE FRAGILITY OF TALL STEEL BLDGS (ID 1570). C. M. Hutt, J. Berman, M. Eberhard, N. Maraf

Presentations & Posters

Jeffrey	Berman	EFFECTS OF SIMULATED MAGNITUDE 9 EARTHQUAKE MOTIONS ON STRUCTURES IN THE PACIFIC NORTHWEST (ID 364). N. Marafi, A. Frankel, E. Wirth, J. Berman, J. Vidale, M. Eberhard
		FULL-SCALE SHAKE TABLE TESTING OF A TWO-STORY MASS-TIMBER ROCKING WALL BUILDING (ID 1144). S. Pei, A. Barbosa, E. McDonnell, H.-E. Blomgren, J. Dolan, J. Berman, J. van De Lindt, R. Zimmerman
		REVISED ASCE-41 MODELING RECOMMENDATIONS FOR CONCENTRICALLY BRACED FRAMES (ID 972). D. Lehman, A. Sen, C. Roeder, D. Sloat, J. Berman
		SEISMIC EVALUATION AND RETROFIT OF VULNERABLE CONCENTRICALLY BRACED FRAMES (ID 1311). A. Sen, C. Roeder, D. Sloat, D. Lehman, J. Berman, M. Swatosh, M. Johnson, R. Ballard
		SEISMIC PERFORMANCE OF NONDUCTILE AND RETROFITTED CONCENTRICALLY BRACED FRAME BUILDINGS (ID 974). A. Sen, C. Roeder, D. Lehman, J. Berman
		THE NHERI RAPID FACILITY: ENABLING THE NEXT-GENERATION OF NATURAL HAZARDS RECONNAISSANCE (ID 886). J. Wartman, A. Bostrom, J. Berman, J. Irish, K. Gurley, L. Lowes, M. Olsen, S. Miles
Ross	Boulanger	TRENDS IN EXPERIMENTAL DATA OF INTERMEDIATE SOILS FOR EVALUATING DYNAMIC STRENGTH (ID 1163). K. Dahl, J. DeJong, R. Boulanger
Yousef	Bozorgnia	A GROUND-MOTION MODEL USING NGA-SUBDUCTION DATABASE (ID 1701). Y. Bozorgnia, K. Campbell, N. Gregor, N. Kuehn
		A PROPOSED SEISMIC VELOCITY PROFILE DATABASE MODEL (ID 1342). O. Ilhan, A. Yong, D. Park, J. Stewart, S. Ahdi, S. Sadiq, Y. Bozorgnia, Y. Hashash
		DETERMINISTIC ANALYSIS WITHIN THE UCERF3 SEISMIC SOURCE CHARACTERIZATION FOR CALIFORNIA (ID 1261). L. Al Atik, N. Gregor, S. Mazzoni, Y. Bozorgnia
		NGA-EAST RESEARCH PROGRAM: LESSON-LEARNED AND FUTURE DIRECTION (ID 1872). Y. Bozorgnia, C. Goulet, G. Atkinson, L. Al Atik, N. Kuehn, N. Abrahamson, R. Graves, R. Youngs
		NGA-EAST: A GROUND MOTION CHARACTERIZATION MODEL FOR CENTRAL AND EASTERN NORTH AMERICA (ID 1871). C. Goulet, G. Atkinson, L. Al Atik, N. Kuehn, N. Abrahamson, R. Graves, R. Youngs, Y. Bozorgnia
		NGA-SUBDUCTION RESEARCH PROGRAM (ID 1705). Y. Bozorgnia, A. Kwok, B. Chiou, C. Ji, D. Boore, D. Y. Kwak, G. Atkinson, G. Parker, H. Magistrale, H. Si, I.M. Idriss, J. Stewart, K. Wooddell, K. Campbell, M. Walling, N. Gregor, N. Kuehn, N. Abrahamson, P.-S. Lin, R. Archuleta, R. Darragh, R. Youngs, R. Kamai, S. Midorikawa, S. Ahdi, S. Muin, S. Mazzoni, T. Kishida, T. Ancheta, V. Contreras, W. Silva, Z. Gulerce
		SPECTRAL DAMPING SCALING FACTORS FOR SUBDUCTION INTERFACE AND INTRASLAB EARTHQUAKES (ID 751). S. Rezaeian, T. Kishida, Y. Bozorgnia
		TREATMENT OF EPISTEMIC UNCERTAINTY OF MEDIAN MODELS IN NGA-EAST (ID 1626). N. Kuehn, C. Goulet, G. Atkinson, L. Al-Atik, R. Graves, R. Youngs, Y. Bozorgnia
		USE OF SEISMIC HAZARD CALCULATIONS IN THE NGA EAST SSHAC PROCESS (ID 1094). R. Youngs, C. Goulet, G. Atkinson, L. Al Atik, N. Kuehn, N. Abrahamson, R. Graves, Y. Bozorgnia
Scott	Brandenberg	ENHANCING EARTHQUAKE ENGINEERING RESEARCH THROUGH THE DESIGNSAFE CYBERINFRASTRUCTURE (ID 1082). E. Rathje, G. Mosqueda, J. Padgett, L. Lowes, M. Eslami, N. Marafi, P. Arduino, S. Brandenberg
		INFLUENCE OF TOPOGRAPHIC IRREGULARITIES ON THE AMPLITUDE AND PHASE OF STRONG GROUND MOTIONS (ID 1056). E. Ausilio, M. G. Durante, P. Zimmaro, S. Brandenberg
Jonathan	Bray	EVALUATING LIQUEFACTION-INDUCED BUILDING SETTLEMENTS (ID 656). J. Bray, J. Macedo
		LIQUEFACTION EFFECTS AT CENTREPORT WELLINGTON DUE TO THE 2016 KAIKOURA EARTHQUAKE (ID 791). J. Bray, C. de La Torre, E. Stocks, M. Cubrinovski, T. Krall

Presentations & Posters

Ian	Buckle	DESIGN OF A LARGE-SCALE BIAXIAL SOIL-BOX FOR SEISMIC SOIL-STRUCTURE-INTERACTION STUDIES (ID 1683). A. Bitsani, D. Istrati, I. Buckle, P. Laplace, R. Siddharthan, R. Motamed, S. Elfass
Henry	Burton	A FRAMEWORK FOR WATER DISTRIBUTION SYSTEM EXPOSED TO SEISMIC EVENTS AND EVOLVING CONDITIONS (ID 943). J.Y. Lee, A. Tomar, H. Burton
		A PERFORMANCE-BASED POST-EARTHQUAKE HOUSING RECOVERY MODEL (ID 509). H. Kang, H. Burton
		BUILDING SERVICE LIFE LOSS ASSESSMENT UNDER SEQUENTIAL SEISMIC EVENTS (ID 640). M. Shokrabadi, H. Burton
		DAMAGE DETECTION AND EVALUATION OF TALL BUILDINGS USING PATTERN RECOGNITION (ID 971). Y. Zhang, H. Burton, J. Wallace
		FRAMEWORK FOR PERFORMANCE-BASED ANALYTICS-DRIVEN SEISMIC DESIGN OF BUILDING STRUCTURES (ID 1636). H. Burton
		MODELING THE EFFECT OF UTILITY DISRUPTION IN POST-EARTHQUAKE HOUSING RECOVERY SIMULATIONS (ID 804). A. Tomar, H. Burton, H. Kang
		RESILIENCE-BASED PERFORMANCE STANDARDS FOR BUILDINGS AND LIFELINE SYSTEMS (ID 539). C. Poland, H. Burton
		SEISMIC PERFORMANCE OF A SELF-CENTERING STEEL MOMENT FRAME BUILDING (ID 968). X. Guan, H. V. Burton, S. Moradi
		WILL THE LA ORDINANCE ENHANCE THE SEISMIC RESILIENCE OF THE CITY'S RESIDENTIAL COMMUNITIES? (ID 1370). H. Burton
Anil	Chopra	THE CMS-UHS COMPOSITE SPECTRUM FOR INTENSITY-BASED ASSESSMENTS OF TALL BUILDINGS (ID 569). N. Kwong, A. Chopra
Gian Paolo	Cimellaro	A NEW TOOL TO ASSESS THE RESILIENCE OF AN URBAN ENVIRONMENT UNDER AN EARTHQUAKE SCENARIO (ID 1560) - POSTER. G. Paolo Cimellaro, O. Kammouh, S. Marasco, S. Mahin
		A NUMERICAL SOLUTION FOR ADDRESSING THE OVERTURNING PHENOMENA OF HERITAGE ASSETS (ID 1573) - POSTER. M. Domaneschi, A. Cardoni, A. Z. Noori, G. P. Cimellaro, S. Marasco
		MODELLING INTERDEPENDENCIES AMONG CRITICAL INFRASTRUCTURES AT URBAN SCALE (ID 1579) - POSTER. G. Paolo Cimellaro, G. Scutiero, M. Domaneschi, S. Mahin
		MONITORING HUMAN BODY MOTIONS DURING EARTHQUAKES (ID 1569) - POSTER. G. Paolo Cimellaro, A. Cardoni, C. Apostoliti, D. Cares, D. Galdo, M. Domaneschi, O. Kammouh, R. Boroschek, S. Mahin
		PEOPLES: AN INDICATOR BASED TOOL TO COMPUTE COMMUNITY RESILIENCE (ID 1562). G. Paolo Cimellaro, A. Zamani-Noori, O. Kammouh, S. Marasco, S. Mahin
		QUANTIFYING THE SEISMIC RESILIENCE OF BRIDGES: A PATHWAY TOWARDS A RESILIENCE-BASED DESIGN (ID 708). A. Sarkis Fernandez, A. Palermo, G. Paolo Cimellaro, O. Kammouh
		RELIABILITY AND RESILIENCE OF WASTEWATER NETWORKS (ID 1558) - POSTER. G. Paolo Cimellaro, M. Domaneschi, P. Gardoni, T. Romanazzi, V. Taurino
		RESILIENCE ASSESSMENT OF LARGE SCALE WATER DISTRIBUTION NETWORKS: A SIMULATION APPROACH (ID 1559) - POSTER. G. Paolo Cimellaro, A. Cardoni, O. Kammouh, S. Mahin, V. Taurino
Kelly	Cobeen	UPDATES ON MODIFICATIONS TO DIAPHRAGM SEISMIC DESIGN PROVISIONS (ID 1891). K. Cobeen

Presentations & Posters

Kelly	Cobeen	VULNERABILITY BASED SEISMIC ASSESSMENT AND RETROFIT OF ONE- AND TWO-FAMILY DWELLINGS (ID 446). K. Cobeen, C. Blaney
Mary	Comerio	Hazard-To-Impact Scenarios For Preparation And Post-Event Decision Making: QuakeCoRE And International Efforts - PANEL DISCUSSION COMPRISING INTERNATIONAL PERSPECTIVES ON HAZARD-TO-IMPACT SCENARIOS (ID SS077D). M. Comerio
		LFE AS A DEVELOPMENT TOOL FOR NEXT GENERATION EARTHQUAKE PROFESSIONALS (ID 1852). A. Julius, F. Rivera, K. Wittels, M. Comerio, R. Walker, T. Anagnos
Gregory	Deierlein	ASSESSING SEISMIC SAFETY OF CONCRETE MOMENT FRAMES WITH HIGH STRENGTH REINFORCING STEEL (ID 839). G. Deierlein, K. Zhong
		COMPARING THE SEISMIC PERFORMANCE OF UNIBODY AND CONVENTIONAL CONSTRUCTION ON A TWO-STORY WOOD-FRAME HOUSE (ID 1793) - POSTER. C. Acevedo, B. Fell, E. Miranda, E. Jampole, G. Deierlein, S. Swensen
		COMPARISON OF SEISMIC PERFORMANCE & RECOVERY METRICS FOR A 1970S VS MODERN TALL STEEL MOMENT FRAME BUILDING (ID 602). C. M. Hutt, G. Deierlein, I. Almufti, T. Rossetto
		COMPUTATIONAL SIMULATION OF DUCTILE FRACTURE IN BUCKLING RESTRAINED BRACES (ID 1106). M. Terashima, A. Kanvinde, G. Deierlein
		COMPUTING HOSPITAL SYSTEM RESILIENCE: A SUPPLY-DEMAND PERSPECTIVE (ID 1533). L. Ceferino, A. Kiremidjian, G. Deierlein, J. Mitrani-Reiser
		CONTRASTING CYBERSHAKE SIMULATIONS AND CONVENTIONAL HAZARD ANALYSIS TO ASSESS COLLAPSE RISK OF TALL BUILDINGS IN THE LOS ANGELES BASIN (ID 73). G. Deierlein, N. Bijelic, T. Lin
		CROWD-SOURCED REMOTE ASSESSMENTS OF REGIONAL-SCALE POST-DISASTER DAMAGE (ID 678). S. Loos, A. Kiremidjian, B. Herfort, B. Girardot, C. Giovando, D. Lallemant, G. Bhattacharjee, G. Deierlein, J. Baker, K. Barns, K. Saito, M. Eckle, R. Soden
		DEVELOPING A USER-CENTRIC UNDERSTANDING OF POST-DISASTER BUILDING DAMAGE INFORMATION NEEDS (ID 1667). G. Bhattacharjee, A. Kiremidjian, D. Lallemant, G. Deierlein, K. Barns, S. Loos
		EFFECTIVE INCREMENTAL GROUND VELOCITY: AN IM TO ESTIMATE SLIDING ISOLATION DISPLACEMENT (ID 315). E. Jampole, E. Miranda, G. Deierlein
		GUIDELINES ON NONLINEAR DYNAMIC ANALYSIS FOR PERFORMANCE-BASED SEISMIC DESIGN OF STEEL AND CONCRETE MOMENT FRAMES (ID 1808). C. Haselton, V. Cedillos, Additional Authors to Be Added, A. Hortascu, C.-M. Uang, D. Lignos, G. Deierlein, J. Malley, J. Hooper, M. Hachen, S. Pujol, S. Mazzoni, S. Bono, W. Ghannoum
		MAPPING DEMAND PARAMETERS IN HIGH-FRICTION SLIDING ISOLATED HOUSES TO IDENTIFY REGIONS FOR IMPLEMENTATION IN THE WESTERN US (ID 317). E. Jampole, A. Gilbert, E. Miranda, G. Deierlein
		QUANTIFYING THE POST-EARTHQUAKE DOWNTIME INDUCED BY CORDONS AROUND DAMAGED TALL BUILDINGS (ID 421). A. Hulsey, G. Deierlein, J. Baker
		REVISED ASCE-41 MODELING RECOMMENDATIONS FOR STEEL MOMENT-RESISTING FRAME SYSTEMS (ID 727). D. Lignos, A. Elkady, A. Hartloper, G. Deierlein, R. Hamburger
		SIMCENTER COMPUTATIONAL FRAMEWORK FOR SIMULATING AND MITIGATING THE EFFECTS OF EARTHQUAKES (ID 1587). G. Deierlein, A. Kareem, C. Crittenden, F. McKenna, L. Lowes, M. Schoettler, S. Govindjee, S. Mahin
		SIMULATION OF DUCTILE FRACTURE PROPAGATION IN STRUCTURAL STEEL SUBJECTED TO ULTRA-LOW CYCLE FATIGUE (ID 1392). V. Pericoli, A. Kanvinde, A. Ziccarelli, G. Deierlein, M. Terashima, X. Lao

Presentations & Posters

Gregory	Deierlein	TOPOLOGY OPTIMIZATION OF ELASTIC SPINES IN ROCKING BRACED FRAMES (ID 743). A. Martin, G. Deierlein
Armen	Der Kiureghian	SIMULATION OF NEAR-FAULT GROUND MOTIONS FOR RANDOMIZED HYPOCENTER AND SITE LOCATIONS (ID 1081). A. Der Kiureghian, M. Dabaghi, Y. Daoud
Thanh	Do	A DAMAGE-PLASTICITY APPROACH FOR DETERIORATION MODELING OF STEEL COMPONENTS (ID 699). T. Do, F. Filippou
John	Ebel	SHEAR WAVE VELOCITY ANALYSIS BY SURFACE WAVE METHODS IN THE BOSTON AREA (ID 1432). A. Urza, J. Ebel, S. Liu, V. Murphy
Marc	Eberhard	ACCOUNTING FOR DEMAND VARIABILITY OF STEEL BRACED FRAMES WITH A COMBINED INTENSITY MEASURE (ID 1003). N. Marafi, A. Sen, C. Roeder, D. Lehman, J. Berman, M. Eberhard, T. Li
		EFFECTS OF BASINS DURING SUBDUCTION EARTHQUAKES ON THE COLLAPSE FRAGILITY OF TALL STEEL BLDGS (ID 1570). C. M. Hutt, J. Berman, M. Eberhard, N. Maraf
		EFFECTS OF SIMULATED MAGNITUDE 9 EARTHQUAKE MOTIONS ON STRUCTURES IN THE PACIFIC NORTHWEST (ID 364). N. Marafi, A. Frankel, E. Wirth, J. Berman, J. Vidale, M. Eberhard
		MULTI-SCALE AND PROBABILISTIC MODELING OF TSUNAMI FORCES ON STRUCTURES (ID 915). M. Motley, A. Winter, C. Gills, F. Gonzalez, M. Eberhard, R. LeVeque, X. Qin
Ahmed	Elgamal	A COMPUTATIONAL FRAMEWORK FOR SYSTEMATIC BRIDGE PBEE APPLICATIONS (ID 797). A. Almutairi, A. Elgamal, J. Lu, K. Mackie
		STRENGTH OF COMPACTED BACKFILL BASED ON SHAKE TABLE EARTH PRESSURE TEST PROGRAM (ID 140). P. Wilson, A. Elgamal
Tal	Feinstein	EXPERIMENTAL PERFORMANCE OF FLOOR MOUNTED NONSTRUCTURAL COMPONENTS UNDER SEISMIC LOADING (ID 1296). T. Feinstein, S. Mahin
Filip	Filippou	A DAMAGE-PLASTICITY APPROACH FOR DETERIORATION MODELING OF STEEL COMPONENTS (ID 699). T. Do, F. Filippou
Yuqing	Gao	DEEP RESIDUAL NETWORK WITH TRANSFER LEARNING FOR IMAGE-BASED STRUCTURAL DAMAGE RECOGNITION (ID 993). Y. Gao, K. Li, K. Mosalam, S. Gunay
Rakesh	Goel	EVALUATING ACCURACY OF THE MOTEMS AND ASCE/COPRI 61-14 SUBSTITUTE STRUCTURE METHOD (ID 1885). R. Goel
Selim	Gunay	DEEP RESIDUAL NETWORK WITH TRANSFER LEARNING FOR IMAGE-BASED STRUCTURAL DAMAGE RECOGNITION (ID 993). Y. Gao, K. Li, K. Mosalam, S. Gunay
Curt	Haselton	A STRUCTURAL RESPONSE PREDICTION ENGINE TO SUPPORT ADVANCED SEISMIC RISK ASSESSMENT (ID 1805) - POSTER. C. Haselton, D. (J.) DeBock, D. Cook, J. Baker, K. Wade
		GUIDELINES ON NONLINEAR DYNAMIC ANALYSIS FOR PERFORMANCE-BASED SEISMIC DESIGN OF STEEL AND CONCRETE MOMENT FRAMES (ID 1808). C. Haselton, V. Cedillos, Additional Authors to Be Added, A. Hortascu, C.-M. Uang, D. Lignos, G. Deierlein, J. Malley, J. Hooper, M. Hachen, S. Pujol, S. Mazzoni, S. Bono, W. Ghannoum
		NEW DEVELOPMENTS FOR RAPID AND DETAILED RISK ASSESSMENT OF WOOD LIGHT-FRAME BUILDINGS (ID 1807). D. Jared DeBock, California State University, Chico; Curt Haselton, Califronia State University Chico and HB-Risk; Dustin Cook, Haselton Baker Risk Group; Katherine Wade, Haselton Baker Risk Group;
		QUANTITATIVE ASSESSMENT OF CODE PROVISIONS FOR VERTICAL IRREGULARITIES IN FRAME BUILDINGS (ID 610). C. Haselton, D. Debock, D. Cook, K. Wade, M. Valley, T. Sabol
		RAPID RISK ASSESSMENT OF BUCKLING RESTRAINED BRACED FRAMES, WITH FOCUS ON RESIDUAL DRIFTS (ID 1806). B. Saxey, C. Haselton, E. Almeter, K. Wade

Presentations & Posters

Curt	Haselton	RESILIENT SEISMIC DESIGN USING PRESCRIPTIVE AND NON-PRESCRIPTIVE DESIGN METHODS (ID 1804) - POSTER. C. Haselton, D. Cook
		SEISMIC RISK ASSESSMENT OF TILT-UP BUILDINGS USING THE FEMA P-58 FRAMEWORK (ID 1751). K. Wade, C. Haselton, D. (J.) Debock, D. Cook, J. Lawson, M. Koliou
Tara	Hutchinson	3-D RECONSTRUCTIONS AND NUMERICAL SIMULATIONS OF PRECARIOUS ROCKS IN SOUTHERN CALIFORNIA (ID 1135). C. Wittich, D. Sandwell, J. DeSanto, T. Hutchinson
		CREATING RAPIDLY RECONFIGURABLE SENSOR NETWORKS WITH UAVS (ID 1737). F. Kuester, D. Meyer, D. Rissolo, E. Lo, M. Abebe, M. Hess, T. Hutchinson, V. Petrovic
		NUMERICAL PREDICTION OF THE IN-PLANE CYCLIC BEHAVIOR OF REINFORCED CONCRETE SHEAR WALLS (ID 297). G. Faraone, L. Moschetti, T. Hutchinson
		PHYSICAL DAMAGE EVOLUTION DURING EARTHQUAKE AND POST-EARTHQUAKE TESTS ON A COLD-FORMED STEEL FRAMED BUILDING (ID 1700). T. Hutchinson, B. Meacham, G. Hegemier, P. Kamath, X. Wang
		Puebla, Mexico Earthquake. GEOTECHNICAL IMPACTS (ID SS088B). T. Hutchinson
		RECENT RESEARCH ON EXPOSED BASE PLATE CONNECTIONS WITH STRATEGIC ANCHOR YIELDING (ID 1691). T. Hutchinson, C. Trautner, J. Silva, R. Piccinin
		SYSTEM IDENTIFICATION OF A MID-RISE CFS BUILDING SUBJECT TO EARTHQUAKE AND FIRE TESTS (ID 1713). X. Wang, T. Hutchinson
		UAV IMAGERY AND DIGITAL MODELING USED IN GEER RECONNAISSANCE OF THE 2016 MEINONG EARTHQUAKE (ID 1515) - POSTER. K. Clahan, F. Menq, J. Sun, S. Boskurt, T. Hutchinson
		UAV-BASED MOTION TRACKING OF A FULL-SCALE 6-STORY BUILDING DURING EARTHQUAKE SHAKING (ID 781). C. Wittich, T. Hutchinson, X. Wang
I.M.	Idriss	NGA-SUBDUCTION RESEARCH PROGRAM (ID 1705). Y. Bozorgnia, A. Kwok, B. Chiou, C. Ji, D. Boore, D. Y. Kwak, G. Atkinson, G. Parker, H. Magistrale, H. Si, I.M. Idriss, J. Stewart, K. Wooddell, K. Campbell, M. Walling, N. Gregor, N. Kuehn, N. Abrahamson, P.-S. Lin, R. Archuleta, R. Darragh, R. Youngs, R. Kamai, S. Midorikawa, S. Ahdi, S. Muin, S. Mazzoni, T. Kishida, T. Ancheta, V. Contreras, W. Silva, Z. Gulerce
Denis	Istrati	DESIGN OF A LARGE-SCALE BIAXIAL SOIL-BOX FOR SEISMIC SOIL-STRUCTURE-INTERACTION STUDIES (ID 1683). A. Bitsani, D. Istrati, I. Buckle, P. Laplace, R. Siddharthan, R. Motamed, S. Elfass
Boris	Jeremic	3D NONLINEAR EARTHQUAKE SOIL STRUCTURE INTERACTIONS (ESSI) FOR NUCLEAR POWER PLANTS (NPP) (ID 1928). B. Jeremic, D. McCallen, H. Yang, H. Wang, S. K. Sinha, Y. Feng
		ENERGY DISSIPATION IN EARTHQUAKE SOIL STRUCTURE INTERACTION MODELING AND SIMULATION (ID 1729). B. Jeremic, D. McCallen, H. Yang
		HPC SIMULATIONS OF BROADBAND NEAR-FAULT GROUND MOTIONS FOR ENGINEERING APPLICATIONS (ID 39). A. Rodgers, A. Pitarka, B. Jeremic, D. McCallen, M. Miah, N. Anders Petersson
Erik	Johnson	CONNECTED CONTROL METHOD FOR ADJACENT BASE-ISOLATED BUILDINGS USING A 200KN MR DAMPER (ID 1609). S. Lobo-Aguilar, E. Johnson, R. Christenson, T. Yu, Z. Jiang
		EXPERIMENTAL VALIDATION OF OPTIMAL CLIPPED LINEAR STRATEGIES FOR CONTROLLABLE DAMPING (ID 1773). Q. Fang, E. Johnson, M. Harris, P. Brewick, S. Wojtkiewicz
		MODEL CALIBRATION OF A BASE-ISOLATED REINFORCED CONCRETE BUILDING (ID 1781) - POSTER. T. Yu, E. Johnson, P. Brewick, R. Christenson
		MODEL VALIDATION OF A 4 STORY BASE ISOLATED BUILDING USING SEISMIC SHAKE-TABLE EXPERIMENTS (ID 1749). S. De, E. Johnson, S. Wojtkiewicz, T. Yu

Presentations & Posters

Erik	Johnson	THE NHERI USER FORUM: INTRODUCTION AND THE ANNUAL COMMUNITY REPORT (ID 1772). E. Sutley, A. Athanasopoulos-Zekkos, E. Johnson, J. Malley, L. Ritchie, M. Elsharawy, N. Stark, R. Kargarmoakhar, R. Green
Laurie	Johnson	COMMUNITIES AT RISK OF POPULATION DISPLACEMENT AND LONG-TERM RECOVERY CHALLENGES IN THE HAYWIRED SCENARIO (ID SS082A). L. Johnson
		COMMUNITY RESILIENCE OF LIFELINE SYSTEMS: SOCIETAL NEEDS AND PERFORMANCE ASSESSMENT (ID 142). L. Johnson, T. O'Rourke, V. Cedillos
		DEVELOPMENT AND USE OF PROBABILISTIC TSUNAMI HAZARD ANALYSIS MAPS IN CALIFORNIA (ID 1063). R. Wilson, H. K. Thio, J. Street, K. Miller, L. Johnson, L. Ewing, T. McCrink, Y. LaDuke
		DEVELOPMENTS IN EARTHQUAKE ENGINEERING HISTORY AS DOCUMENTED BY ORAL HISTORIES (ID 1902). J. Anderson, L. Johnson, L. Wyllie, Jr., R. Reitherman, T. Anagnos
		THE HAYWIRED SCENARIO-HOW CAN THE SAN FRANCISCO BAY REGION BOUNCE BACK BETTER? (ID 1431). A. Wein, D. Cox, J. Strauss, K. Porter, K. Hudnut, L. Johnson, S. Perry
Grace	Kang	THE HAYWIRED COALITION (ID 1665). G. Kang, A. Chakos, D. Cox, K. Gross, L. von Koch-Liebert, R. McCarthy, R. Heimerich
Amit	Kanvinde	SPECIAL SESSION (ID SS096). A. Kanvinde
		ASSESSMENT OF COLUMN SPLICE FRACTURE INFLUENCE ON SEISMIC PERFORMANCE OF STEEL MOMENT FRAMES (ID 103). K. Stillmaker, A. Kanvinde, A. Magdaleno
		COMPUTATIONAL SIMULATION OF DUCTILE FRACTURE IN BUCKLING RESTRAINED BRACES (ID 1106). M. Terashima, A. Kanvinde, G. Deierlein
		GUIDELINES ON NONLINEAR DYNAMIC ANALYSIS FOR PERFORMANCE-BASED SEISMIC DESIGN OF STEEL AND CONCRETE MOMENT FRAMES (ID 1808). C. Haselton, V. Cedillos, Additional Authors to Be Added, A. Hortascu, C.-M. Uang, D. Lignos, G. Deierlein, J. Malley, J. Hooper, M. Hachen, S. Pujol, S. Mazzoni, S. Bono, W. Ghannoum
		SIMULATION OF DUCTILE FRACTURE PROPAGATION IN STRUCTURAL STEEL SUBJECTED TO ULTRA-LOW CYCLE FATIGUE (ID 1392). V. Pericoli, A. Kanvinde, A. Ziccarelli, G. Deierlein, M. Terashima, X. Lao
Charles	Kircher	AN EMERGENCY MANAGEMENT PLANNING, PREPAREDNESS, RESPONSE AND RECOVERY TOOL FOR CITIES (ID 1611). R. Karp, C. Kircher, E. Reis
		ATC-123: IMPROVING SEISMIC DESIGN OF BUILDINGS WITH CONFIGURATION IRREGULARITIES -- OVERVIEW AND FINDINGS (ID 808). M. Valley, C. Kircher, C. Haselton, F. Naeim, L. Lowes, M. Tong, R. Sabelli, T. Sabol, V. Cedillos
		SOLUTIONS TO THE SHORT-PERIOD BUILDING PERFORMANCE PARADOX (ID 145). C. Kircher
		THE USGS SHAKECAST SYSTEM FOR EARTHQUAKE PLANNING, PREPAREDNESS, RESPONSE AND RECOVERY (ID 372). C. Kircher
		USGS SHAKECAST SYSTEM ADVANCEMENTS (ID 737). K.-W. Lin, C. Kircher, D. Slosky, D. Wald, K. Jaiswal, N. Luco
Anne	Kiremidjian	COMPUTING HOSPITAL SYSTEM RESILIENCE: A SUPPLY-DEMAND PERSPECTIVE (ID 1533). L. Ceferino, A. Kiremidjian, G. Deierlein, J. Mitrani-Reiser
		CROWD-SOURCED REMOTE ASSESSMENTS OF REGIONAL-SCALE POST-DISASTER DAMAGE (ID 678). S. Loos, A. Kiremidjian, B. Herfort, B. Girardot, C. Giovando, D. Lallemant, G. Bhattacharjee, G. Deierlein, J. Baker, K. Barns, K. Saito, M. Eckle, R. Soden

Presentations & Posters

Anne	Kiremidjian	DEVELOPING A USER-CENTRIC UNDERSTANDING OF POST-DISASTER BUILDING DAMAGE INFORMATION NEEDS (ID 1667). G. Bhattacharjee, A. Kiremidjian, D. Lallemant, G. Deierlein, K. Barns, S. Loos
Tadahiro	Kishida	A METHOD OF LINEAR COMBINATION OF MULTIPLE MODELS FOR EPISTEMIC UNCERTAINTY MINIMIZATION (ID 814). D.Y. Kwak, E. Seyhan, T. Kishida
		GROUND MOTION CHARACTERISTICS OF THE 2016 CENTRAL ITALY EARTHQUAKE SEQUENCE (ID 1719). P. Zimmaro, G. Scasserra, J. Stewart, T. Kishida, T. Giuseppe
		NGA-SUBDUCTION RESEARCH PROGRAM (ID 1705). Y. Bozorgnia, A. Kwok, B. Chiou, C. Ji, D. Boore, D. Y. Kwak, G. Atkinson, G. Parker, H. Magistrale, H. Si, I.M. Idriss, J. Stewart, K. Wooddell, K. Campbell, M. Walling, N. Gregor, N. Kuehn, N. Abrahamson, P.-S. Lin, R. Archuleta, R. Darragh, R. Youngs, R. Kamai, S. Midorikawa, S. Ahdi, S. Muin, S. Mazzoni, T. Kishida, T. Ancheta, V. Contreras, W. Silva, Z. Gulerce
		SPECTRAL DAMPING SCALING FACTORS FOR SUBDUCTION INTERFACE AND INTRASLAB EARTHQUAKES (ID 751). S. Rezaeian, T. Kishida, Y. Bozorgnia
Steven	Kramer	THE EFFECTS OF LONG-DURATION GROUND MOTION ON SOIL LIQUEFACTION (ID 173). M. Greenfield, S. Kramer
Nicolas	Kuehn	A GROUND-MOTION MODEL USING NGA-SUBDUCTION DATABASE (ID 1701). Y. Bozorgnia, K. Campbell, N. Gregor, N. Kuehn
		A NON-ERGODIC GROUND-MOTION MODEL FOR JAPAN (ID 1623). N. Kuehn, N. Abrahamson
		ALEATORY VARIABILITY MODEL FOR NGA-EAST (ID 936). L. Alatik, C. Goulet, G. Atkinson, N. Kuehn, N. Abrahamson, R. Graves, R. Youngs
		EVALUATION OF CANDIDATE GROUND-MOTION MODELS USED IN NGA-EAST (ID 686). R. Graves, C. Goulet, G. Atkinson, L. Al Atik, N. Kuehn, N. Abrahamson, R. Youngs
		GROUND-MOTION DURATION MODEL FOR SUBDUCTION EARTHQUAKES (ID 623). M. Walling, N. Kuehn, N. Abrahamson, S. Mazzoni
		NGA-EAST RESEARCH PROGRAM: LESSON-LEARNED AND FUTURE DIRECTION (ID 1872). Y. Bozorgnia, C. Goulet, G. Atkinson, L. Al Atik, N. Kuehn, N. Abrahamson, R. Graves, R. Youngs
		NGA-EAST: A GROUND MOTION CHARACTERIZATION MODEL FOR CENTRAL AND EASTERN NORTH AMERICA (ID 1871). C. Goulet, G. Atkinson, L. Al Atik, N. Kuehn, N. Abrahamson, R. Graves, R. Youngs, Y. Bozorgnia
		NGA-SUBDUCTION RESEARCH PROGRAM (ID 1705). Y. Bozorgnia, A. Kwok, B. Chiou, C. Ji, D. Boore, D. Y. Kwak, G. Atkinson, G. Parker, H. Magistrale, H. Si, I.M. Idriss, J. Stewart, K. Wooddell, K. Campbell, M. Walling, N. Gregor, N. Kuehn, N. Abrahamson, P.-S. Lin, R. Archuleta, R. Darragh, R. Youngs, R. Kamai, S. Midorikawa, S. Ahdi, S. Muin, S. Mazzoni, T. Kishida, T. Ancheta, V. Contreras, W. Silva, Z. Gulerce
		TREATMENT OF EPISTEMIC UNCERTAINTY OF MEDIAN MODELS IN NGA-EAST (ID 1626). N. Kuehn, C. Goulet, G. Atkinson, L. Al-Atik, R. Graves, R. Youngs, Y. Bozorgnia
		USE OF SEISMIC HAZARD CALCULATIONS IN THE NGA EAST SSHAC PROCESS (ID 1094). R. Youngs, C. Goulet, G. Atkinson, L. Al Atik, N. Kuehn, N. Abrahamson, R. Graves, Y. Bozorgnia
Falko	Kuester	CREATING RAPIDLY RECONFIGURABLE SENSOR NETWORKS WITH UAVS (ID 1737). F. Kuester, D. Meyer, D. Rissolo, E. Lo, M. Abebe, M. Hess, T. Hutchinson, V. Petrovic
Sashi	Kunnath	COLLAPSE FRAGILITY OF A TALL REINFORCED CONCRETE BUILDING UNDER PULSE-LIKE GROUND MOTIONS (ID 723). J. Zhou, S. Kunnath, Z. Zhang
		DEVELOPING RELIABLE SEISMIC DEMAND MODELS WITH LIMITED DATA (ID 724). M. Kenawy, A. Ahmadi, S. Kunnath

Presentations & Posters

Dawn	Lehman	ACCOUNTING FOR DEMAND VARIABILITY OF STEEL BRACED FRAMES WITH A COMBINED INTENSITY MEASURE (ID 1003). N. Marafi, A. Sen, C. Roeder, D. Lehman, J. Berman, M. Eberhard, T. Li
		CHEVRON BRACED FRAMES WITH YIELDING BEAMS: EXPERIMENTS AND NUMERICAL ANALYSIS (ID 1161). J. Berman, A. Sen, C. Roeder, C. Terpstra, D. Lehman, R. Liu, S. Ibarra, T. Li
		COLLAPSE ANALYSIS OF RC WALL ARCHETYPES AND SENSITIVITY TO CONSTITUTIVE MODEL PARAMETER UNCERTAINTY (ID 447). N. Marafi, D. Lehman, K. Ahmed, L. Lowes
		EVALUATION OF RC FRAME BUILDINGS DAMAGED IN 2016 MEINONG EARTHQUAKE IN SOUTHERN TAIWAN (ID 341). D. Lehman
		INELASTIC SYSTEM BEHAVIOR OF BUCKLING-RESTRAINED BRACED FRAMES AT MODERATE AND LARGE DRIFTS (ID 1104). K. Palmer, C. Roeder, D. Lehman
		PROPOSED UPDATES TO ASCE 41 FOR MODELING OF FLEXURE-CONTROLLED REINFORCED CONCRETE WALLS (ID 1639). L. Lowes, D. Lehman
		REVISED ASCE-41 MODELING RECOMMENDATIONS FOR CONCENTRICALLY BRACED FRAMES (ID 972). D. Lehman, A. Sen, C. Roeder, D. Sloat, J. Berman
		SEISMIC EVALUATION AND RETROFIT OF VULNERABLE CONCENTRICALLY BRACED FRAMES (ID 1311). A. Sen, C. Roeder, D. Sloat, D. Lehman, J. Berman, M. Swatosh, M. Johnson, R. Ballard
		SEISMIC PERFORMANCE OF NONDUCTILE AND RETROFITTED CONCENTRICALLY BRACED FRAME BUILDINGS (ID 974). A. Sen, C. Roeder, D. Lehman, J. Berman
		SEISMIC PERFORMANCE OF SLENDER C-SHAPED WALLS SUBJECTED TO UNI- AND BI-DIRECTIONAL LOADING (ID 1307). A. Mock, A. Behrouzi, D. Kuchma, D. Lehman, L. Lowes
Anne	Lemnitzer	NONLINEAR CYCLIC BEHAVIOR OF CONCRETE MRF BEAMS WITH INNOVATIVE FRP STRENGTHENING TECHNIQUE (ID 80). A. Lemnitzer, L. Herrera, S. Anacleto, T. Erickson, W. Chai
Kevin	Li	DEEP RESIDUAL NETWORK WITH TRANSFER LEARNING FOR IMAGE-BASED STRUCTURAL DAMAGE RECOGNITION (ID 993). Y. Gao, K. Li, K. Mosalam, S. Gunay
Dmitrios	Lignos	GUIDELINES ON NONLINEAR DYNAMIC ANALYSIS FOR PERFORMANCE-BASED SEISMIC DESIGN OF STEEL AND CONCRETE MOMENT FRAMES (ID 1808). C. Haselton, V. Cedillos, Additional Authors to Be Added, A. Hortascu, C.-M. Uang, D. Lignos, G. Deierlein, J. Malley, J. Hooper, M. Hachen, S. Pujol, S. Mazzoni, S. Bono, W. Ghannoum
		REVISED ASCE-41 MODELING RECOMMENDATIONS FOR STEEL MOMENT-RESISTING FRAME SYSTEMS (ID 727). D. Lignos, A. Elkady, A. Hartloper, G. Deierlein, R. Hamburger
Bret	Lizundia	DEVELOPMENT OF AN EXAMPLE APPLICATION GUIDE FOR ASCE/SEI 41-13 (ID 1102). B. Lizundia, A. Herseth, A. Hortacsu, B. McDonald, J. Collins, M. Moore, M. Braund, M. Mahoney, R. LaPlante, W. Holmes
		IMPROVED SEISMIC DESIGN OF NONSTRUCTURAL COMPONENTS AND SYSTEMS (ATC-120) (ID 1546). M. Phipps, B. Lizundia, J. Gillengerten, R. Pekelnecky, S. Schiff
		Locally-Led Seismic Policy Agenda Setting - RESTARTING AN EARLY EFFORT (ID THEME21). B. Lizundia
Laura	Lowes	ATC-123: IMPROVING SEISMIC DESIGN OF BUILDINGS WITH CONFIGURATION IRREGULARITIES -- OVERVIEW AND FINDINGS (ID 808). M. Valley, C. Kircher, C. Haselton, F. Naeim, L. Lowes, M. Tong, R. Sabelli, T. Sabol, V. Cedillos
		COLLAPSE ANALYSIS OF RC WALL ARCHETYPES AND SENSITIVITY TO CONSTITUTIVE MODEL PARAMETER UNCERTAINTY (ID 447). N. Marafi, D. Lehman, K. Ahmed, L. Lowes
		ENHANCING EARTHQUAKE ENGINEERING RESEARCH THROUGH THE DESIGNSAFE CYBERINFRASTRUCTURE (ID 1082). E. Rathje, G. Mosqueda, J. Padgett, L. Lowes, M. Eslami, N. Marafi, P. Arduino, S. Brandenberg

Presentations & Posters

Laura	Lowes	PROPOSED UPDATES TO ASCE 41 FOR MODELING OF FLEXURE-CONTROLLED REINFORCED CONCRETE WALLS (ID 1639). L. Lowes, D. Lehman
		SEISMIC PERFORMANCE OF SLENDER C-SHAPED WALLS SUBJECTED TO UNI- AND BI-DIRECTIONAL LOADING (ID 1307). A. Mock, A. Behrouzi, D. Kuchma, D. Lehman, L. Lowes
		SIMCENTER COMPUTATIONAL FRAMEWORK FOR SIMULATING AND MITIGATING THE EFFECTS OF EARTHQUAKES (ID 1587). G. Deierlein, A. Kareem, C. Crittenden, F. McKenna, L. Lowes, M. Schoettler, S. Govindjee, S. Mahin
		THE NHERI RAPID FACILITY: ENABLING THE NEXT-GENERATION OF NATURAL HAZARDS RECONNAISSANCE (ID 886). J. Wartman, A. Bostrom, J. Berman, J. Irish, K. Gurley, L. Lowes, M. Olsen, S. Miles
Patrick	Lynett	HARBOR VULNERABILITY TO EXTREME NATURAL HAZARDS (ID 1933). P. Lynett
Stephen	Mahin	A NEW TOOL TO ASSESS THE RESILIENCE OF AN URBAN ENVIRONMENT UNDER AN EARTHQUAKE SCENARIO (ID 1560) - POSTER. G. Paolo Cimellaro, O. Kammouh, S. Marasco, S. Mahin
		ANALYTICAL INVESTIGATION OF OFFSET GEOMETRIES IN STEEL STRONGBACK BRACES FRAMES (ID 1257). B. Simpson, S. Mahin
		EXPERIMENTAL PERFORMANCE OF FLOOR MOUNTED NONSTRUCTURAL COMPONENTS UNDER SEISMIC LOADING (ID 1296). T. Feinstein, S. Mahin
		HIGH-PERFORMANCE COMPUTER-AIDED OPTIMIZATION OF VISCOUS DAMPERS FOR IMPROVING THE SEISMIC PERFORMANCE OF A TALL STEEL BUILDING (ID 3). S. Wang, S. Mahin
		MODELLING INTERDEPENDENCIES AMONG CRITICAL INFRASTRUCTURES AT URBAN SCALE (ID 1579) - POSTER. G. Paolo Cimellaro, G. Scutiero, M. Domaneschi, S. Mahin
		MONITORING HUMAN BODY MOTIONS DURING EARTHQUAKES (ID 1569) - POSTER. G. Paolo Cimellaro, A. Cardoni, C. Apostoliti, D. Cares, D. Galdo, M. Domaneschi, O. Kammouh, R. Boroschek, S. Mahin
		PEOPLES: AN INDICATOR BASED TOOL TO COMPUTE COMMUNITY RESILIENCE (ID 1562). G. Paolo Cimellaro, A. Zamani-Noori, O. Kammouh, S. Marasco, S. Mahin
		RESILIENCE ASSESSMENT OF LARGE SCALE WATER DISTRIBUTION NETWORKS: A SIMULATION APPROACH (ID 1559) - POSTER. G. Paolo Cimellaro, A. Cardoni, O. Kammouh, S. Mahin, V. Taurino
		SEISMIC RESPONSE OF ISOLATED NUCLEAR POWER PLANTS USING HYBRID SIMULATION (ID 1778). A. Schellenberg, A. Sarebanha, G. Mosqueda, M. Schoettler, S. Mahin
		SIMCENTER COMPUTATIONAL FRAMEWORK FOR SIMULATING AND MITIGATING THE EFFECTS OF EARTHQUAKES (ID 1587). G. Deierlein, A. Kareem, C. Crittenden, F. McKenna, L. Lowes, M. Schoettler, S. Govindjee, S. Mahin
		SIMPLIFIED DESIGN METHOD FOR FRAMES WITH NONLINEAR VISCOUS DAMPERS (ID 1890). K. Kasai, K. Tanaka, M. Nishijima, S. Wang, S. Mahin
H. Benjamin	Mason	AN INDUCTIVE LEARNING APPROACH FOR TEACHING EARTHQUAKE RESPONSE SPECTRA (ID 1320). H. B. Mason, D. Hurwitz, K. Buker, M. Scott, R. Adams
		ANALYSIS OF CONCRETE-LINED TUNNELS CROSSING ACTIVE FAULTS (ID 807) - POSTER. S. Lange, H. B. Mason, M. Scott, S. Ashford
Thor	Matteson	TEST RESULTS OF STRUCTURAL FUSES MOUNTED ON CANTILEVERED COLUMNS FOR SEISMIC RETROFITTING (ID 831). T. Matteson
Silvia	Mazzoni	DETERMINISTIC ANALYSIS WITHIN THE UCERF3 SEISMIC SOURCE CHARACTERIZATION FOR CALIFORNIA (ID 1261). L. Al Atik, N. Gregor, S. Mazzoni, Y. Bozorgnia

Presentations & Posters

Silvia	Mazzoni	EVALUATING GROUND MOTION MODIFICATION PROCEDURES WITH THE CONDITIONAL SCENARIO SPECTRA (ID 1212). C. Arteta, N. Abrahamson, S. Mazzoni
		GROUND-MOTION DURATION MODEL FOR SUBDUCTION EARTHQUAKES (ID 623). M. Walling, N. Kuehn, N. Abrahamson, S. Mazzoni
		GUIDELINES ON NONLINEAR DYNAMIC ANALYSIS FOR PERFORMANCE-BASED SEISMIC DESIGN OF STEEL AND CONCRETE MOMENT FRAMES (ID 1808). C. Haselton, V. Cedillos, Additional Authors to Be Added, A. Hortascu, C.-M. Uang, D. Lignos, G. Deierlein, J. Malley, J. Hooper, M. Hachen, S. Pujol, S. Mazzoni, S. Bono, W. Ghannoum
		NGA-SUBDUCTION RESEARCH PROGRAM (ID 1705). Y. Bozorgnia, A. Kwok, B. Chiou, C. Ji, D. Boore, D. Y. Kwak, G. Atkinson, G. Parker, H. Magistrale, H. Si, I.M. Idriss, J. Stewart, K. Wooddell, K. Campbell, M. Walling, N. Gregor, N. Kuehn, N. Abrahamson, P.-S. Lin, R. Archuleta, R. Darragh, R. Youngs, R. Kamai, S. Midorikawa, S. Ahdi, S. Muin, S. Mazzoni, T. Kishida, T. Ancheta, V. Contreras, W. Silva, Z. Gulerce
David	McCallen	3D NONLINEAR EARTHQUAKE SOIL STRUCTURE INTERACTIONS (ESSI) FOR NUCLEAR POWER PLANTS (NPP) (ID 1928). B. Jeremic, D. McCallen, H. Yang, H. Wang, S. K. Sinha, Y. Feng
		EARTHQUAKE GROUND MOTION VARIABILITY IN SIMULATIONS USING GP2016 METHOD AND MODIFIED RUPTURE GENERATOR FOLLOWING IRIKURA RECIPE (ID 407). A. Pitarka, A. Rodgers, D. McCallen, K. Miyakoshi, K. Irikura, R. Graves
		ENERGY DISSIPATION IN EARTHQUAKE SOIL STRUCTURE INTERACTION MODELING AND SIMULATION (ID 1729). B. Jeremic, D. McCallen, H. Yang
		HPC SIMULATIONS OF BROADBAND NEAR-FAULT GROUND MOTIONS FOR ENGINEERING APPLICATIONS (ID 39). A. Rodgers, A. Pitarka, B. Jeremic, D. McCallen, M. Miah, N. Anders Petersson
		REGIONAL SCALE EARTHQUAKE RISK ESTIMATION BASED ON BROADBAND GROUND MOTION SIMULATIONS (ID 1278). M. Miah, D. McCallen, F. Petrone, J. Wong
		SIMULATIONS OF LARGE SCENARIO AND RECORDED MODERATE EARTHQUAKES IN THE SAN FRANCISCO BAY AREA (ID 366). A. Rodgers, A. Pitarka, D. McCallen, N. Petersson
Frank	McKenna	SIMCENTER COMPUTATIONAL FRAMEWORK FOR SIMULATING AND MITIGATING THE EFFECTS OF EARTHQUAKES (ID 1587). G. Deierlein, A. Kareem, C. Crittenden, F. McKenna, L. Lowes, M. Schoettler, S. Govindjee, S. Mahin
Kurt	McMullin	EDUCATING GRADUATE STUDENTS FOR SEISMIC DESIGN VIA HANDS-ON EXPERIMENTAL COURSEWORK (ID 490) - POSTER. K. McMullin
		EXPERIMENTAL EVALUATION OF DISCONTINUOUS TIMBER SHEAR WALLS (ID 489) - POSTER. K. McMullin
Eduardo	Miranda	COMPARING THE SEISMIC PERFORMANCE OF UNIBODY AND CONVENTIONAL CONSTRUCTION ON A TWO-STORY WOOD-FRAME HOUSE (ID 1793) - POSTER. C. Acevedo, B. Fell, E. Miranda, E. Jampole, G. Deierlein, S. Swensen
		EFFECTIVE INCREMENTAL GROUND VELOCITY: AN IM TO ESTIMATE SLIDING ISOLATION DISPLACEMENT (ID 315). E. Jampole, E. Miranda, G. Deierlein
		IMPROVED APPROACH TO ESTIMATE THE PROBABILITY OF COLLAPSE OF STRUCTURES DURING EARTHQUAKES (ID 1000). H. Davalos, E. Miranda
		MAPPING DEMAND PARAMETERS IN HIGH-FRICTION SLIDING ISOLATED HOUSES TO IDENTIFY REGIONS FOR IMPLEMENTATION IN THE WESTERN US (ID 317). E. Jampole, A. Gilbert, E. Miranda, G. Deierlein
		TOWARDS A NEW APPROACH TO DESIGN ACCELERATION-SENSITIVE NONSTRUCTURAL COMPONENTS (ID 1009). E. Miranda

Presentations & Posters

Judith	Mitrani-Reiser	COMPARING RESILIENCE RATING SYSTEMS: ASSESSING POST-EARTHQUAKE HOSPITAL FUNCTIONALITY (ID 896). M. Boston, J. Mitrani-Reiser
		COMPUTING HOSPITAL SYSTEM RESILIENCE: A SUPPLY-DEMAND PERSPECTIVE (ID 1533). L. Ceferino, A. Kiremidjian, G. Deierlein, J. Mitrani-Reiser
		FOOD SECURITY IN THE AFTERMATH OF A SEISMIC EVENT (ID 537) - POSTER. X. Zhao, E. Biehl, G. Chodur, J. Mitrani-Reiser, R. Neff
		PERFORMANCE EVALUATION OF PEDESTRIAN NAVIGATION ALGORITHMS FOR CITY EVACUATION MODELING (ID 302). F. Haghpanah, B. Schafer, J. Mitrani-Reiser
Jack	Moehle	CRITICAL STRAIN DEMANDS FOR PERFORMANCE EVALUATION OF HIGH-STRENGTH REINFORCING BARS (ID 910). W. Ghannoum, A. Limantono, D. Al-Tarafany, D. Sokoli, D. To, G. Hogsett, J. Moehle
		PEER TBI II GUIDELINES FOR PBEE OF TALL BUILDINGS (ID THEME07). J. Moehle
		SEISMIC EVALUATION OLDER CONCRETE BUILDINGS FOR COLLAPSE POTENTIAL (ID 57). A. Liel, J. Moehle, J. Heintz, M. Mehrain, S. Peter, W. Holmes
		SEISMIC PERFORMANCE OF TALL CONCRETE SPECIAL MOMENT FRAME WITH HIGH-STRENGTH REINFORCEMENT (ID 483). D. To, D. Sokoli, J. Moehle, W. Ghannoum
		SS026.S - Steve Mahin Retrospective - DISCUSSION PANEL (ID SS105A). B. Simpson, B. Shing, J. Moehle, K. Ryan, M. Nakashima, M. Mahoney
Khalid	Mosalam	DEEP RESIDUAL NETWORK WITH TRANSFER LEARNING FOR IMAGE-BASED STRUCTURAL DAMAGE RECOGNITION (ID 993). Y. Gao, K. Li, K. Mosalam, S. Gunay
		DEVELOPMENT OF A ROBUST NONLINEAR SOLUTION ALGORITHM FOR STRUCTURAL ANALYSIS (ID 1252). X. Liang, K. Mosalam
		SHAKING TABLE QUALIFICATION TEST OF GRANITE CLADDING WITH DOWEL PIN ANCHORAGE (ID 227). B. Huang, K. Mosalam, W. Lu
		SIMULATION-BASED DATA-DRIVEN DAMAGE DETECTION FOR HIGHWAY BRIDGE SYSTEMS (ID 1258) - POSTER. X. Liang, K. Mosalam, S. Muin
Gilberto	Mosqueda	ANALYZING THE HEATING EFFECTS OF LEAD RUBBER BEARINGS FOR A SEISMICALLY ISOLATED STRUCTURE (ID 891). G. Mosqueda, J. Marquez
		CHARACTERISATION OF TIME DELAY ERRORS IN HYBRID SHAKE TABLE TEST (ID 1410). H. Caudana, G. Mosqueda
		DESIGN AND ANALYSIS OF VERTICAL ISOLATION SYSTEM WITH QUASI-ZERO-STIFFNESS PROPERTY (ID 442). P. Chen, G. Mosqueda, Y. Zhou
		DESIGN CONSIDERATIONS FOR TOLERANCE IN END CONNECTIONS OF VISCOUS DAMPING DEVICES (ID 1097). A. Montijo, A. Sarebanha, G. Mosqueda
		ENHANCING EARTHQUAKE ENGINEERING RESEARCH THROUGH THE DESIGNSAFE CYBERINFRASTRUCTURE (ID 1082). E. Rathje, G. Mosqueda, J. Padgett, L. Lowes, M. Eslami, N. Marafi, P. Arduino, S. Brandenberg
		FINITE ELEMENT ANALYSIS OF MOAT WALL POUNDING IN BASE-ISOLATED BUILDINGS (ID 824). P. Hughes, A. Sarebanha, G. Mosqueda
		SEISMIC RESPONSE OF ISOLATED NUCLEAR POWER PLANTS USING HYBRID SIMULATION (ID 1778). A. Schellenberg, A. Sarebanha, G. Mosqueda, M. Schoettler, S. Mahin
Robb	Moss	REVISITING TWO GROUND FAILURE SITES FROM THE 2010 CHILE EARTHQUAKE (ID 1451) - POSTER. R. Moss, C. Ledezma, D. Frost, T. Gebhart

Presentations & Posters

Ramin	Motamed	DESIGN OF A LARGE-SCALE BIAXIAL SOIL-BOX FOR SEISMIC SOIL-STRUCTURE-INTERACTION STUDIES (ID 1683). A. Bitsani, D. Istrati, I. Buckle, P. Laplace, R. Siddharthan, R. Motamed, S. Elfass
		INCORPORATION OF SITE-SPECIFIC ATTENUATION MODEL USING KAPPA IN BROADBAND SIMULATIONS (ID 432). J. Anderson, R. Motamed, S. Saxena
Michael	Motley	MULTI-SCALE AND PROBABILISTIC MODELING OF TSUNAMI FORCES ON STRUCTURES (ID 915). M. Motley, A. Winter, C. Gills, F. Gonzalez, M. Eberhard, R. LeVeque, X. Qin
Mohamed	Moustafa	EVALUATION OF WALL DAMPER EFFECTIVENESS ON THE SEISMIC PERFORMANCE OF BUILDINGS (ID 1585). A. Dilsiz, A. Yildirim, A. Özuygur, M. Moustafa, M. Mohammed
		MODELING SENSITIVITY ANALYSIS OF CONCENTRICALLY BRACED FRAMES UNDER SHORT AND LONG DURATION GROUND MOTIONS (ID 1176). A. Hammad, M. Moustafa
		NOVEL DIGITAL IMAGE CORRELATION INSTRUMENTATION FOR LARGE-SCALE SHAKE TABLE TESTS (ID 174). L. Ngeljaratan, M. Moustafa
		TIME HISTORY ANALYSIS OF DIFFERENT BRIDGE CONFIGURATIONS USING RAYLEIGH AND MODAL DAMPING (ID 120). M. Moustafa, M. Abbasi
Sifat	Muin	NGA-SUBDUCTION RESEARCH PROGRAM (ID 1705). Y. Bozorgnia, A. Kwok, B. Chiou, C. Ji, D. Boore, D. Y. Kwak, G. Atkinson, G. Parker, H. Magistrale, H. Si, I.M. Idriss, J. Stewart, K. Wooddell, K. Campbell, M. Walling, N. Gregor, N. Kuehn, N. Abrahamson, P.-S. Lin, R. Archuleta, R. Darragh, R. Youngs, R. Kamai, S. Midorikawa, S. Ahdi, S. Muin, S. Mazzoni, T. Kishida, T. Ancheta, V. Contreras, W. Silva, Z. Gulerce
		SIMULATION-BASED DATA-DRIVEN DAMAGE DETECTION FOR HIGHWAY BRIDGE SYSTEMS (ID 1258) - POSTER. X. Liang, K. Mosalam, S. Muin
Farzad	Naeim	2017 LATBSDC GUIDELINES FOR PBEE OF TALL BUILDINGS (ID THEME08). F. Naeim
Keith	Porter	BASIC RESEARCH FROM THE HAYWIRED SCENARIO TO BETTER INFORM RESILIENCE PLANS (ID 812). K. Porter
		EFFICIENCY, SUFFICIENCY, AND PREDICTABILITY OF INTENSITY MEASURES FOR PREDICTING THE CONSEQUENCES OF LIQUEFACTION ON BUILDINGS (ID 218). Z. Bullock, A. Liel, K. Porter, S. Dashti
		THE HAYWIRED SCENARIO-HOW CAN THE SAN FRANCISCO BAY REGION BOUNCE BACK BETTER? (ID 1431). A. Wein, D. Cox, J. Strauss, K. Porter, K. Hudnut, L. Johnson, S. Perry
		WILL THE SAN FRANCISCO EAST BAY WATER SUPPLY GO HAYWIRE? (ID 748). K. Porter
Evan	Reis	AN EMERGENCY MANAGEMENT PLANNING, PREPAREDNESS, RESPONSE AND RECOVERY TOOL FOR CITIES (ID 1611). R. Karp, C. Kircher, E. Reis
		COMMUNICATING A BUILDING'S CONTRIBUTION TO COMMUNITY RESILIENCE (ID 401). C. Poland, E. Reis
		QUANTIFYING THE SOCIAL AND ECONOMIC VALUE OF CITYWIDE SEISMIC RETROFIT ORDINANCES (ID 957). W. Graf, E. Reis
Jose	Restrepo	AN INERTIAL FORCE-LIMITING FLOOR ANCHORAGE SYSTEM FOR LOW-DAMAGE BUILDING STRUCTURES (ID 986). Z. Zhang, D. Mar, D. Zhang, G. Guerrini, G. Tsampras, G. Monti, J. Maffei, J. Restrepo, R. Sause, R. Fleischman, U. Shakya
		EXPERIMENTAL STUDY OF CONNECTION BETWEEN FLOOR SYSTEM AND LATERAL FORCE RESISTING SYSTEM (ID 1206). G. Tsampras, D. Mar, D. Zhang, J. Maffei, J. Restrepo, R. Sause, R. Fleischman, U. Shakya, Z. Zhang

Presentations & Posters

Charles	Roeder	ACCOUNTING FOR DEMAND VARIABILITY OF STEEL BRACED FRAMES WITH A COMBINED INTENSITY MEASURE (ID 1003). N. Marafi, A. Sen, C. Roeder, D. Lehman, J. Berman, M. Eberhard, T. Li
		CHEVRON BRACED FRAMES WITH YIELDING BEAMS: EXPERIMENTS AND NUMERICAL ANALYSIS (ID 1161). J. Berman, A. Sen, C. Roeder, C. Terpstra, D. Lehman, R. Liu, S. Ibarra, T. Li
		INELASTIC SYSTEM BEHAVIOR OF BUCKLING-RESTRAINED BRACED FRAMES AT MODERATE AND LARGE DRIFTS (ID 1104). K. Palmer, C. Roeder, D. Lehman
		REVISED ASCE-41 MODELING RECOMMENDATIONS FOR CONCENTRICALLY BRACED FRAMES (ID 972). D. Lehman, A. Sen, C. Roeder, D. Sloat, J. Berman
		SEISMIC EVALUATION AND RETROFIT OF VULNERABLE CONCENTRICALLY BRACED FRAMES (ID 1311). A. Sen, C. Roeder, D. Sloat, D. Lehman, J. Berman, M. Swatosh, M. Johnson, R. Ballard
		SEISMIC PERFORMANCE OF NONDUCTILE AND RETROFITTED CONCENTRICALLY BRACED FRAME BUILDINGS (ID 974). A. Sen, C. Roeder, D. Lehman, J. Berman
Keri	Ryan	ASCE 7-16 LATERAL FORCES FOR STATIC DESIGN OF BASE-ISOLATED BUILDINGS (ID 702). M. Button, K. Ryan, R. Mayes
		CONTROL STRATEGY FOR LIQUID SPRING - MR DAMPER FOR VERTICAL ISOLATION (ID 933). W. Eltahawy, F. Gordaninejad, K. Ryan, S. Cesmeci
		SEISMIC EVALUATION OF DRYWALL PARTITION WALLS INTEGRATED WITH A TIMBER ROCKING WALL (ID 115). H. Hasani, A. Amer, J. Ricles, K. Ryan, R. Sause
		SEISMIC PERFORMANCE OF ONE-PIECE PIPE PINS AND PRECAST REBAR HINGES IN BRIDGE PIERS (ID 916). K. Ryan, A. Mehrsoroush, M. Saiid Saiidi
		SS026.S - Steve Mahin Retrospective - DISCUSSION PANEL (ID SS105A). B. Simpson, B. Shing, J. Moehle, K. Ryan, M. Nakashima, M. Mahoney
Charles	Scawthorn	COMPLYING WITH THE OREGON RESILIENCE PLAN &NDASH; CASE STUDY OF THE PORTLAND, OREGON WATER SUPPLY SYSTEM (ID 1039). A. Nisar, C. Scawthorn, C. Hitchcock, M. Greenfield, R. Nelson, T. O'Rourke, V. Calugaru
		FIRE FOLLOWING THE MW 7.0 HAYWIRED EARTHQUAKE (ID 689). C. Scawthorn
		OPTIMIZING WATER DISTRIBUTION SYSTEM PIPE REPLACEMENT: SAN FRANCISCO AWSS (ID 523). C. Scawthorn, D. Myerson, D. York, E. Ling
Andreas	Schellenberg	SEISMIC RESPONSE OF ISOLATED NUCLEAR POWER PLANTS USING HYBRID SIMULATION (ID 1778). A. Schellenberg, A. Sarebanha, G. Mosqueda, M. Schoettler, S. Mahin
Matthew	Schoettler	SEISMIC RESPONSE OF ISOLATED NUCLEAR POWER PLANTS USING HYBRID SIMULATION (ID 1778). A. Schellenberg, A. Sarebanha, G. Mosqueda, M. Schoettler, S. Mahin
		SIMCENTER COMPUTATIONAL FRAMEWORK FOR SIMULATING AND MITIGATING THE EFFECTS OF EARTHQUAKES (ID 1587). G. Deierlein, A. Kareem, C. Crittenden, F. McKenna, L. Lowes, M. Schoettler, S. Govindjee, S. Mahin
Michael	Scott	AN INDUCTIVE LEARNING APPROACH FOR TEACHING EARTHQUAKE RESPONSE SPECTRA (ID 1320). H. B. Mason, D. Hurwitz, K. Buker, M. Scott, R. Adams
		ANALYSIS OF CONCRETE-LINED TUNNELS CROSSING ACTIVE FAULTS (ID 807) - POSTER. S. Lange, H. B. Mason, M. Scott, S. Ashford
		COLLAPSE SIMULATION OF RC COLUMNS UNDER BIAXIAL CYCLIC LOADING (ID 1061). M. Scott, A. Lucchini, P. Franchin
		SOFTWARE CALIBRATION AND SENSITIVITY ANALYSIS OF ORDINARY STANDARD BRIDGE SEISMIC RESPONSE (ID 1276). M. Scott, K. Mackie

Presentations & Posters

Barbara	Simpson	ANALYTICAL INVESTIGATION OF OFFSET GEOMETRIES IN STEEL STRONGBACK BRACES FRAMES (ID 1257). B. Simpson, S. Mahin
		EFFECIENCY ASSESSMENT OF TSUNAMI EVACUATION ROUTES IN VINA DEL MAR, CHILE (ID 1790). W. Hassan, B. Simpson, M. Ortega, P. Kakoty
		HEALTHCARE SYSTEM RESILIENCE RECONAISSANCE SEVEN YEARS AFTER THE 2010 MAULE EARTHQUAKE (ID 1187). B. Simpson, M. Ortega, P. Kakoty, W. Hassan
		SS026.S - Steve Mahin Retrospective - DISCUSSION PANEL (ID SS105A). B. Simpson, B. Shing, J. Moehle, K. Ryan, M. Nakashima, M. Mahoney
Nicholas	Sitar	COMPARISON OF ANALYTIC METHODS FOR DYNAMIC EARTH PRESSURES ON RETAINING STRUCTURES (ID 1377). N. Wagner, N. Sitar
Jonathan	Stewart	A PROPOSED SEISMIC VELOCITY PROFILE DATABASE MODEL (ID 1342). O. Ilhan, A. Yong, D. Park, J. Stewart, S. Ahdi, S. Sadiq, Y. Bozorgnia, Y. Hashash
		CASE STUDY OF LIQUEFACTION SUSCEPTIBILITY FROM FIELD PERFORMANCE OF HYDRAULIC FILLS (ID 1539). D. Y. Kwak, J. Stewart, P. Zimmaro, S. Nakai, T. Sekiguchi
		Geotechnical Aspects Of PBEE [title tbd] (ID THEME09). J. Stewart
		GROUND MOTION CHARACTERISTICS OF THE 2016 CENTRAL ITALY EARTHQUAKE SEQUENCE (ID 1719). P. Zimmaro, G. Scasserra, J. Stewart, T. Kishida, T. Giuseppe
		NGA-SUBDUCTION RESEARCH PROGRAM (ID 1705). Y. Bozorgnia, A. Kwok, B. Chiou, C. Ji, D. Boore, D. Y. Kwak, G. Atkinson, G. Parker, H. Magistrale, H. Si, I.M. Idriss, J. Stewart, K. Wooddell, K. Campbell, M. Walling, N. Gregor, N. Kuehn, N. Abrahamson, P.-S. Lin, R. Archuleta, R. Darragh, R. Youngs, R. Kamai, S. Midorikawa, S. Ahdi, S. Muin, S. Mazzoni, T. Kishida, T. Ancheta, V. Contreras, W. Silva, Z. Gulerce
		PRELIMINARY NGA-SUBDUCTION GLOBAL GROUND MOTION MODEL WITH REGIONAL ADJUSTMENT FACTORS (ID 1680). G. Parker, B. Hassani, D. Boore, G. Atkinson, J. Stewart
		SURFACE FAULT RUPTURE FROM 2016 CENTRAL ITALY EARTHQUAKE SEQUENCE (ID 1727) - POSTER. P. Zimmaro, B. Lingwall, E. Falcucci, F. Galadini, J. Stewart, R. Kayen, S. Gori
		VS PROFILE DATABASE AND PROXY-BASED MODEL FOR VS30 PREDICTION IN CHILE FOR NGA-SUBDUCTION (ID 1473). V. Contreras, F. Ruz, J. Stewart, S. Ahdi
Ertugrul	Taciroglu	CONSISTENT OMNIDIRECTIONAL EXTENSION OF UNIAXIAL NONLINEAR HYSTERETIC RESPONSE MODELS (ID 958). H. Mao, E. Taciroglu, H. Darama, Z. Ni
		SOIL-STRUCTURE INTERACTION AND FAILURE ANALYSES OF STEEL WATER PIPELINES WITH WELDED JOINTS (ID 1527). W. Zhang, A. Dasmeh, E. Taciroglu, P. Yu, Z. Huang
Vesna	Terzic	SEISMIC PERFORMANCE OF CODE- AND PERFORMANCE-BASED HIGH-RISE COUPLED WALL BUILDINGS (ID 749). K. Kolozvari, D. Saldana, R. Miller, V. Terzic
		THE EFFECT OF INCREASED STRENGTH AND STIFFNESS ON SEISMIC PERFORMANCE OF RC SHEAR WALL BUILDINGS (ID 752) - POSTER. V. Terzic, D. Saldana, K. Kolozvari
Duy	To	CRITICAL STRAIN DEMANDS FOR PERFORMANCE EVALUATION OF HIGH-STRENGTH REINFORCING BARS (ID 910). W. Ghannoum, A. Limantono, D. Al-Tarafany, D. Sokoli, D. To, G. Hogsett, J. Moehle
		SEISMIC PERFORMANCE OF TALL CONCRETE SPECIAL MOMENT FRAME WITH HIGH-STRENGTH REINFORCEMENT (ID 483). D. To, D. Sokoli, J. Moehle, W. Ghannoum
Chia-Ming	Uang	BUCKLING-INDUCED SHORTENING OF DEEP W-SHAPE COLUMNS IN SEISMIC STEEL FRAMES (ID 713). C.-M. Uang, G. Ozkula, J. Harris

Presentations & Posters

Chia-Ming	Uang	GUIDELINES ON NONLINEAR DYNAMIC ANALYSIS FOR PERFORMANCE-BASED SEISMIC DESIGN OF STEEL AND CONCRETE MOMENT FRAMES (ID 1808). C. Haselton, V. Cedillos, Additional Authors to Be Added, A. Hortascu, C.-M. Uang, D. Lignos, G. Deierlein, J. Malley, J. Hooper, M. Hachen, S. Pujol, S. Mazzoni, S. Bono, W. Ghannoum
		INVESTIGATION OF SEISMIC PERFORMANCE OF COLLECTORS IN STEEL BUILDING STRUCTURES (ID 520). A. Agarwal, C.-H. Li, C.-M. Uang, D. Lizarraga, J. Ricles, M. Beedle, R. Sause, R. Fleischman
John	Wallace	COLLAPSE ASSESSMENT OF DUCTILE COUPLED WALLS (ID 1169). N. Tauberg, J. Wallace, K. Kolozvari
		DAMAGE DETECTION AND EVALUATION OF TALL BUILDINGS USING PATTERN RECOGNITION (ID 971). Y. Zhang, H. Burton, J. Wallace
		DESIGN OF SLENDER REINFORCED CONCRETE STRUCTURAL WALLS (ID 1861). A. Safdari, J. Wallace
		DRIFT CAPACITY PREDICTION OF RC STRUCTURAL WALLS WITH SPECIAL BOUNDARY ELEMENTS (ID 1803). S. Abdullah, J. Wallace
		FLEXURAL COMPRESSION CAPACITY OF THIN REINFORCED CONCRETE STRUCTURAL WALLS (ID 1001). C. Segura, C. Arteta, G. Araujo, J. Wallace
		PHYSICAL TESTING OF A NON-DUCTILE CONCRETE MOMENT FRAME BUILDING (ID 1254). E. Moore, J. Wallace, L. Toranzo, M. Del Carpio, M. Hershberg
		UCLA- RCWALLS DATABASE FOR REINFORCED CONCRETE STRUCTURAL W ALLS (ID 1801). S. Abdullah, John Wallace
Shanshan	Wang	HIGH-PERFORMANCE COMPUTER-AIDED OPTIMIZATION OF VISCOUS DAMPERS FOR IMPROVING THE SEISMIC PERFORMANCE OF A TALL STEEL BUILDING (ID 3). S. Wang, S. Mahin
		SIMPLIFIED DESIGN METHOD FOR FRAMES WITH NONLINEAR VISCOUS DAMPERS (ID 1890). K. Kasai, K. Tanaka, M. Nishijima, S. Wang, S. Mahin
Andrew	Whittaker	MODELING SQUAT REINFORCED CONCRETE SHEAR WALLS FOR SEISMIC ANALYSIS (ID 1178). S. Epackachi, A. Whittaker, A. Hortacsu, N. Sharma, R. Hamburger
		MULTI-HAZARD LIFE CYCLE COST ANALYSIS OF STEEL BUILDINGS WITH SPECIAL MOMENT RESISTING FRAMES (ID 350). A. Nikellis, A. Whittaker, K. Sett
		VERIFICATION OF A FLUID-STRUCTURE-INTERACTION MODEL FOR SEISMIC ANALYSIS OF GEN IV NUCLEAR POWER PLANTS (ID 288). A. Whittaker, C.-C. Yu, J. Coleman, M. Cohen
Harry	Yeh	EFFICIENT ESTIMATES OF UNCERTAINTIES IN TSUNAMI INUNDATION FORECASTS (ID 784). H. Ko, C. Fuentes, H. Yeh, J. Restrepo, M. Dumelle, W. Mayfield
Farzin	Zareian	EFFECT OF VERTICAL COMPONENT OF GROUND MOTIONS ON TALL BUILDINGS: AN RC DUAL SYSTEM CASE STUDY (ID 1599). S. Ebrahimi, F. Zareian, Z. Değer
		QUANTIFICATION OF DOWNTIME IN A HIGHWAY NETWORK DURING MODERATE SEISMIC EVENTS (ID 1067). F. Zareian, P. Kakoty
		SEISMIC RESPONSE OF STEEL MOMENT FRAME INCLUDING GRAVITY SYSTEM AND COLUMN BASE FLEXIBILITY (ID 1304). F. Zareian, F. Flores, P. Torres Rodas