



## DETAILED PROGRAM rev.0

Monday, September 15

### International Bridge Workshop

Time / Location	Description					
<b>08:00 – 17:00</b> Kerr Lobby	<b>International Bridge Workshop Registration Open</b>					
<b>09:00 – 10:40</b> East Pauley	<p><b>Workshop Opening</b> - Professor Ian Buckle</p> <p>SEISMIC RESPONSE MODIFICATION DEVICES IN CALIFORNIA BRIDGES – PAST, PRESENT AND FUTURE [-] <b>Foued Zayati</b></p> <p>SEISMIC ISOLATION AND ENERGY DISSIPATION ON BRIDGES: STATE-OF-THE-ART REVIEW AND APPLICATIONS IN ITALY [147] <b>Federico Scafati</b>, Chiara Ormando, Paolo Clemente, Giacomo Buffarini</p> <p>TURKISH SEISMIC ISOLATED BRIDGE DESIGN SPECIFICATIONS: A NEW APPROACH TO ISOLATION SYSTEM DESIGN IN COMPARISON TO US AND EUROPEAN DESIGN SPECIFICATIONS [-] <b>Murat Dicleli</b></p>					
<b>10:40 – 11:10</b>	<b>Break</b>					
<b>11:10 – 12:40</b> East Pauley	<p>OVERVIEW OF USE OF ISOLATION AND ENERGY DISSIPATION SYSTEMS FOR BRIDGES IN JAPAN, STATE OF PRACTICE REGARDING APPLICATIONS, TYPES OF DEVICES, DESIGN PROCEDURES, REGULATIONS; OBSERVATIONS AND LESSONS FROM RECENT EARTHQUAKES AFTER THE 2011 TOHOKU EARTHQUAKE [-] <b>Yoshikazu Takahashi</b></p> <p>OVERVIEW OF USE OF ISOLATION AND ENERGY DISSIPATION SYSTEMS FOR BRIDGES IN LATIN AMERICA [-] <b>Carlos Mendez-Galindo</b></p> <p>SEISMIC DESIGN STRATEGIES ON LONG-SPAN BRIDGES LOCATED IN HIGH SEISMIC ZONES [-] <b>Marwan Nader</b></p>					
<b>12:40 – 13:45</b>	<b>Lunch</b>					
<b>13:45 – 15:00</b> East Pauley	<b>Breakout Sessions</b>					
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%; text-align: center;"><b>Property Variability</b></td> <td style="width: 20%; text-align: center;"><b>Testing</b></td> <td style="width: 20%; text-align: center;"><b>Design &amp; Analysis</b></td> <td style="width: 20%; text-align: center;"><b>Long-Span Bridges</b></td> <td style="width: 20%; text-align: center;"><b>Future Directions</b></td> </tr> </table>	<b>Property Variability</b>	<b>Testing</b>	<b>Design &amp; Analysis</b>	<b>Long-Span Bridges</b>	<b>Future Directions</b>
<b>Property Variability</b>	<b>Testing</b>	<b>Design &amp; Analysis</b>	<b>Long-Span Bridges</b>	<b>Future Directions</b>		
<b>15:00 – 15:20</b>	<b>Break</b>					
<b>15:20 – 16:00</b> East Pauley	<p><b>Breakout Session Summaries</b></p> <p><b>Closing Remarks</b> - Professor Ian Buckle</p>					
<b>17:30 – 20:00</b> Hearst Memorial Mining Building Lobby	<p><b>WELCOME RECEPTION</b></p> <p>Tours to Hearst Memorial Mining Building and Grimes Hall</p>					

Tuesday, September 16

## Conference Day 1

Time / Location	Description
08:00 – 17:00 Kerr Lobby	<b>Registration Open</b>
08:30 – 10:00 Zellerbach Hall	<p><b>CONFERENCE OPENING SESSION</b></p> <p>Welcome Remarks</p> <p><b>Keynote Lecture:</b> Ing. Riccardo Vetturini – <i>Seismic Isolation of Monumental Buildings: Italian Experiences. Archeological Findings: Obstacle or Opportunity?</i></p> <p><b>Status of US Protective Systems</b></p> <p><b>Platinum Sponsor:</b> EPS, Dr. Victor Zayas – <i>Constructing for Functionality</i></p>
10:00 – 10:30	<b>Break</b>
<b>10:30 – 12:00 CONCURRENT SESSIONS 1A – 1E</b>	
10:30 – 12:00	<p><b>SESSION 1A: Seismic Isolation - Modeling and Analysis</b></p> <p><b>Room:</b></p> <p><b>Chair:</b></p>
10:30	A JOURNEY TO EXPLAIN UNEXPECTED RESULTS IN FULL-SCALE SEISMIC ISOLATING TESTING [106] <b>Eduardo Miranda</b> , Armando Messina
10:48	SIMPLIFIED LUMPED MASS MODELS FOR ESTIMATING COLLAPSE FRAGILITY OF ISOLATED BUILDINGS [105] <b>Ya-Heng Yang</b> , <b>Tracy Becker</b> , Takayuki Sone, Harumi Yoneda, Takahiro Kinoshita
11:06	NONLINEAR DYNAMIC ANALYSIS OF THREE-DIMENSIONAL BASE ISOLATED STRUCTURES - 3D-BASIS REVISITED: NOVEL FORMULATION ENHANCEMENTS INCORPORATING LATERAL, VERTICAL, ROCKING, UPLIFT BEHAVIOR [311] <b>Satish Nagarajaiah</b>
11:24	CALIBRATION OF THE HDI CONSTITUTIVE MODEL FOR EUROPEAN HDR BEARINGS [140] Fabio Micozzi, Malek El Jamal, <b>Laura Ragni</b> , Maria Gabriella Castellano, Andrea Dall'Asta
11:42	PARETO FRONT OF SEISMIC RESPONSES OF SDOF SYSTEMS CONSIDERING A TRADE-OFF BETWEEN DISPLACEMENT AND ACCELERATION UNDER SINUSOIDAL GROUND MOTIONS [74] <b>Ken Ishii</b> , Masaru Kikuchi
10:30 – 12:00	<p><b>SESSION 1B: Codes and Standards for Protective Systems</b></p> <p><b>Room:</b></p> <p><b>Chair:</b></p>
10:30	UPDATE OF JAPAN'S DESIGN/ANALYSIS SPECIFICATIONS ON STRUCTURAL VIBRATION CONTROL: PART 1 - VIBRATION CONTROL FOR MAJOR BUILDINGS [289] <b>Kazuhiko Kasai</b> , Daiki Sato, Kazuhiro Matsuda, Hisao Yamazaki, Tetsushi Inubushi, Yoshihiro Yamazaki, Kensaku Kaneko, Yoriyuki Matsuda, Yuki Baba, Naoya Goto
10:48	SEISMIC ISOLATION IN THE PHILIPPINES: COMPARATIVE ANALYSIS OF GLOBAL DESIGN STANDARDS AND LOCAL ADAPTATION [318] <b>Rodolfo Jr Mendoza</b> , Laurice Jean Legaspi, Demin Feng
11:06	RECOMMENDATIONS FOR THE USE OF ISO 22762 IN SEISMIC ISOLATION SYSTEM DESIGN BASED ON ASCE-7 [322] <b>Nobuo Murota</b> , Takahiro Mori, Takeshi Sawada, Motoki Misu, Ping Tan, Mauro Sartori, Dookie Kim, Jiang Jun Lee, Hamid Ahmadi, Ian Aiken
11:24	THE PERUVIAN PRACTICE IN THE DESIGN OF SEISMICALLY ISOLATED BUILDINGS [285] <b>Gustavo Loa</b> , <b>Alejandro Muñoz</b> , Marcos Tinman, Luis Speicher
11:42	METHOD FOR EVALUATING THE BEARING STRESS CAPACITY OF CONCRETE BEARING PADS UNDER FRICTION PENDULUMS [291] <b>Emine Kose</b> , Shoichi Kishiki, Naoya Wakita, Hiroshi Nakamura
10:30 – 12:00	<p><b>1C: Energy Dissipation - Performance and Functionality</b></p> <p><b>Room:</b></p> <p><b>Chair:</b></p>
10:30	INFLUENCE OF THE TARGET EARTHQUAKE DESIGN LEVEL ON THE DYNAMIC RESPONSE OF DAMPED STRUCTURES [81] <b>Stefano Silvestri</b> , Michele Palermo

10:48	DUAL CONTROL DESIGN FOR EARTHQUAKE AND HIGH-SPEED RAIL VIBRATION IN A LARGE INTERNATIONAL AIRPORT TERMINAL BUILDING IN HIGHLY SEISMIC ZONES [299] <b>Qingsong Guan</b> , Wensheng Lu, Xiaowen An, Wen Pan
11:06	PARAMETRIC STUDY OF SUPPLEMENTAL VISCOUS DAMPING COMBINED WITH SEISMIC ISOLATION FOR IMPROVED SEISMIC RESPONSE REDUCTION OF STRUCTURES [320] <b>David Whittaker</b>
11:24	EXTERNAL SEISMIC RETROFIT OF RC BUILDINGS WITH BUCKLING RESTRAINED BRACES [293] <b>Fatih Sutcu</b> , Zeynep Tuna Deger
11:42	AN APPROACH TO MODELLING AND DESIGN OF VE DEVICES [348] <b>Ottavia Corbi</b> , Ileana Corbi
10:30 – 12:00	<b>SESSION 1D: Seismic Isolation - New Technologies</b> Room: Chair:
10:30	NOVEL SLIDING-ENABLED ELASTOMERIC ISOLATOR TO MITIGATE LARGE DEFORMATION DEMAND UNDER MAXIMUM CONSIDERED EARTHQUAKE [119] Shibajee Sutar, <b>Mohan S C</b> , Sheik Mohammed Zoheb Nawaz, Manish Srivastava, Chennamsetti Tarun, Shivani Mandaloju
10:48	EXPERIMENTAL STUDY OF AN ADAPTIVE SLIDING ISOLATION SYSTEM WITH A LONG-STROKE PASSIVE VARIABLE FRICTION DAMPER [121] <b>Lyan-Ywan Lu</b> , Ging-Long Lin, Tsung-Yu Lin, Bo-Chen Chen
11:06	T&T III BUILDING - REALIZATION OF AN “URBAN BUILDING WITH THE MID-STORY ISOLATION SYSTEM” THAT PREPARES FOR A MEGAQUAKE [171] <b>Kazuhiro Ito</b>
11:24	GEOTECHNICAL SEISMIC ISOLATION DEVICES FOR TUNNEL-BUILDING INTERACTION [337] <b>Juan Manuel Mayoral Villa</b> , Simon Tepalcapa, Mauricio Pérez
11:42	LIGHT SEISMIC PROTECTION FOR MASS USE. EXPERIENCE AND SUGGESTIONS. [177] <b>Alexander Bubis</b> , Ilnur Gizyatullin
10:30 – 12:00	<b>SESSION 1E: Environmental and Long-term Assessment</b> Room: Chair:
10:30	ON THE DYNAMIC FRICTION COEFFICIENT OF A SLIDING ISOLATOR FOR VARIOUS LOW TEMPERATURES AND EXPOSURE TIMES [32] Esengül Çavdar, Gökhan Özdemir, Virginio Quaglini, Eleonora Bruschi, <b>Ugurcan Ozcamur</b>
10:48	LONG-TERM FRICTION INCREASE EFFECTS ON A COMBINED BASE ISOLATION/SUPPLEMENTAL DAMPING SYSTEM [66] Gloria Terenzi, Stefano Sorace, <b>Carlo Vienni</b>
11:06	CHARACTERISTIC EVALUATION OF LEAD RUBBER BEARING CONSIDERING LONG-TERM BEHAVIOR OF SEISMICALLY BASE ISOLATED NUCLEAR POWER PLANTS [192] <b>Junhee Park</b>
11:24	CONDITION ASSESSMENT OF A LARGE RUBBER BASE ISOLATED BUILDING IN ITALY [218] <b>Nicolas Gabriel Leiva Fuentes</b> , Filippo Cavuoto, Giorgio Serino
11:42	EFFECT OF LOW TEMPERATURE-SHRINKAGE-NON-UNIFORM EARTHQUAKE ON ISOLATED RC STRUCTURES WITH RUBBER ISOLATOR [345] <b>Yongfeng Du</b> , Peihong Chi, Lulu Zhang
12:00 – 13:30	<b>Lunch</b>
12:30 – 13:30	<b>Walking Tour 1: UC Berkeley Campus</b> All Walking Tours Meet at Registration Desk
<b>13:30 – 15:00 CONCURRENT SESSIONS 2A – 2E</b>	
13:30 – 15:00	<b>SESSION 2A: Seismic Isolation - New Structure Applications</b> Room: Chair:
13:30	SEISMIC ISOLATION AT NEAR FIELD SITES [275] <b>Stephen Marusich</b> , Simin Naaseh, Susan LaFore

13:48	REDUCTION OF SEISMIC DEMAND AND IRREGULAR RESPONSE IN THE LOWER STRUCTURE OF INTERMEDIATE ISOLATION SYSTEM [57] <b>Elena Mele</b> , Diana Faiella, Francesco Esposito
14:06	HIGH-PERFORMANCE BASE ISOLATION ENABLING NEW ARCHITECTURE: THE SEISMIC PROTECTION DESIGN OF THE NEW LACMA [41] Eric Long, Alessandro Beghini, <b>Abel Diaz</b> , Mark Sarkisian
14:24	A COMPARATIVE ASSESSMENT OF NUMERICAL MODELS FOR HIGH DAMPING RUBBER BEARINGS (HDRBs) [234] <b>José Gallardo</b> , Juan C. de la Llera
14:42	PERFORMANCE-BASED SEISMIC DESIGN OF (W)RAPPER: AN EXOSKELETON SCULPTURE AS AN OFFICE BUILDING [161] <b>Aris Kozmidis</b> , Amie Nulman
13:30 – 15:00	<b>SESSION 2B: Seismic Isolation - Modeling and Analysis</b> Room: Chair:
13:30	ON THE PRELIMINARY DESIGN OF CSS ISOLATION SYSTEMS [54] Concetta Tripepi, <b>Chiara Ormando</b> , Paolo Clemente
13:48	RESEARCH ON ISOLATION MECHANISM OF MOUNTAINOUS BUILDING STRUCTURE BASED ON SIMPLIFIED MODEL OF PLANAR RIGID FRAME [88] Yingmin Li, <b>Zhenxiao Ma</b> , Shuyan Ji, Xiaowen An
14:06	TWO-SCALE MODELING FRAMEWORK FOR ELASTOMERIC SEISMIC ISOLATORS [244] <b>Eduardo Montalto</b> , Dimitrios Konstantinidis
14:24	SEISMIC PERFORMANCE OF BRIDGES USING VARIABLE FRICTION PENDULUM ISOLATORS UNDER NEAR-FAULT EARTHQUAKES [14] Ping TAN, Zhi Xian, Kui Yang, Meng Sun, <b>Wenzhi Zheng</b>
14:42	HYSTERETIC BEHAVIOR OF A DOUBLE CURVED SURFACE SLIDER WHEN DISPLACEMENT CAPACITY IS EXCEEDED [33] Ahmet Varışlı, Cansu Yaşar, Esengül Çavdar, Sadun Tanışer, <b>Ugurcan Ozcamur</b> , Gökhan Özdemir
13:30 – 15:00	<b>SESSION 2C: Energy Dissipation - Innovative Applications</b> Room: Chair:
13:30	SEISMIC RETROFITTING OF GRAVITY-LOAD DESIGNED RC BUILDINGS CONNECTED BY HYSTERETIC LINKS TO A STEEL EXOSKELETON [61] Fabio Mazza, <b>Dora Foti</b> , Domenico Rizzo, Fabio Rizzo, Maria Francesca Sabbà
13:48	SEISMIC RETROFITTED APPLICATIONS FOR EXISTING BUILDINGS WITH VISCOUS DAMPERS [70] <b>Wang-Chuen Lin</b> , Shiang-Jung Wang, Jenn-Shin Hwang
14:06	FINITE ELEMENT ANALYSIS OF HORIZONTAL SELF-CENTERING SYSTEMS TO ENHANCE SEISMIC PERFORMANCE IN STEEL FRAMES [84] <b>Dorian A. Acevedo-Mejía</b> , Arturo E. Schultz, Cristhian Ramirez-Ortiz
14:24	REHABILITATION OF INFORMAL BUILDINGS IN QUITO CITY WITH HYSTERICAL DAMPERS [270] <b>Paúl Edmundo Guerrero Dumancela</b>
14:42	SEISMIC FRAGILITY EVALUATION OF STEEL FRAMES COMPRISING HYBRID BUCKLING-RESTRAINED BRACES WITH FE-SMA CORE [282] Subhrajyoti Jena, Deepak Yadav, <b>Dipti Ranjan Sahoo</b>
13:30 – 15:00	<b>SESSION 2D: Seismic Isolation - Performance and Functionality</b> Room: Chair:
13:30	SEISMIC ISOLATION OF BINGÖL HOSPITAL, TÜRKİYE, THROUGH PENDULUM ISOLATORS AND FLUID VISCOUS DAMPERS [76] Maria Gabriella Castellano, Luca Marcolin, Cem Yilmaz, Aikaterini Evina Pigouni, Samuele Infanti, <b>Giulia Rizzo</b>
13:48	USING SEISMIC ISOLATION SYSTEM IN HIGH-RISE HOSPITAL BUILDING AND EFFECTS ON STRUCTURAL PERFORMANCE [107] <b>Bayan Elif Bakkaloğlu</b> , Necdet Torunbalcı
14:06	COMPARATIVE ANALYSIS OF A SEISMICALLY ISOLATED DATA CENTER STRUCTURE WITH DISTRIBUTED AND LOCALIZED EQUIPMENT LOAD ASSUMPTIONS [127] <b>Mert Hacıemiroğlu</b> , Cenk Alhan
14:24	SIMPLIFIED SEISMIC DESIGN OF MID-HEIGHT ISOLATED STRUCTURES [256] <b>Giovanni De Francesco</b>
14:42	INFLUENCE OF BI-DIRECTIONAL EXCITATIONS ON MOAT WALL POUNDING IN BASE-ISOLATED BUILDINGS [278] Yuanyuan Wei, <b>Alex Shegay</b> , Rick Henry

<b>13:30 – 15:00</b>	<b>SESSION 2E: Seismic Hazard and Ground Motions</b> <b>Room:</b> <b>Chair:</b>
<b>13:30</b>	DESIGN OF A BUILDING WITH SEISMIC ISOLATION ON A SOFT SOIL AND PRONE TO LONG PERIOD EARTHQUAKE (VRANCEA, ROMANIA) [248] Andreea Casuta (Dutu), Stefan Marin, <b>Dan Iancu</b>
<b>13:48</b>	THE IMPACT OF NEAR-FAULT GROUND MOTION PULSES ON LONG-SPAN BRIDGES AND MITIGATION STRATEGIES [149] <b>Abdul Matin Jami</b> , Rajesh Rupakhety
<b>14:06</b>	EFFECT OF GROUND MOTION CHARACTERISTICS ON THE RESPONSE OF AN ISOLATED BRIDGE WITH HIGH DAMPING RUBBER BEARINGS [333] <b>Saraswati Setia</b> , Anal Narwal
<b>14:24</b>	INFLUENCE OF DYNAMIC SOIL STRUCTURE INTERACTION ON THE EFFICIENCY OF VISCOUS DAMPERS IN REINFORCED CONCRETE BUILDINGS [185] Eduard Clemente-Izquierdo, Dante Tolentino-Lopez, <b>Luciano Roberto Fernandez-Sola</b>
<b>15:00 – 15:30</b>	<b>Break</b>
<b>15:30 – 17:30</b> East Pauley	<b>SPECIAL SESSION: HOSPITALS</b> <b>Moderator: Dr. Bahadir Sadan</b>  PERFORMANCE OF SEISMICALLY ISOLATED HOSPITALS IN THE 2023 KAHRAMANMARAŞ EARTHQUAKE SEQUENCE [300] <b>Bahadir Sadan</b> , Cuneyt Tuzun, Omer Ulker, Ugurcan Ozcamur, Mehmet Emre Ozcanli, Mustafa Erdik  PERFORMANCE OF SEISMICALLY ISOLATED STRUCTURES DURING THE MW 7.4, HUALIEN, TAIWAN, EARTHQUAKE ON APRIL 3, 2024 [232] <b>Shiang Jung Wang</b> , Shiang-Jung Wang, Wang Chuen Lin, Cho Yen Yang, Yu Chi Sung, Jenn Shin Hwang, Kuo Shun Chang  SEISMIC ISOLATION OF HOSPITALS IN CHILE [-] <b>Rodrigo Retamales</b>  RESILIENCE OF SEISMICALLY ISOLATED HOSPITALS DURING STRONG EARTHQUAKES IN JAPAN [-] <b>Mineo Takayama</b>  SEISMIC ISOLATION OF HOSPITALS IN NEW ZEALAND [-] <b>David Whittaker</b>  PANEL DISCUSSION
<b>17:15 – 19:00</b> West Pauley & Patio	<b>POSTER SESSION</b> Hors d'Oeuvres

Wednesday, September 17

## Conference Day 2

Time / Location	Description
08:00 – 17:00 Kerr Lobby	<b>Registration Open</b>
08:30 – 10:00 Zellerbach Hall	<b>PLENARY SESSION</b> <b>Keynote Lectures:</b> <b>Prof. Mustafa Erdik</b> , <i>Development and Applications of Seismic Isolation and Other Passive Control Technologies in Türkiye</i> <b>Prof. Michael Constantinou</b> , <i>Testing of Seismic Protective System Hardware: Significance, Scaling, Similarity and Performance-Based Specifications</i>
10:00 – 10:30	<b>Break</b>
<b>10:30 – 12:00 CONCURRENT SESSIONS 3A – 3E</b>	
10:30 – 12:00	<b>SESSION 3A: Energy Dissipation - New Technologies</b> <b>Room:</b> <b>Chair:</b>
10:30	COMPONENT TESTING AND PHENOMENOLOGICAL MODELLING OF THE PRESSURIZED SAND DAMPER [339] <b>Nicos Makris</b>
10:48	PROPOSAL OF A NOVEL EARTHQUAKE VIBRATION CONTROL SYSTEM COMBINING A PULLEY DISPLACEMENT AMPLIFICATION MECHANISM AND A ROTARY VISCOUS DAMPER [43] <b>Taiki Saito</b> , Ryo Majima, Sora Yoshie, Hao Sui
11:06	A PLASTIC HINGE CELL FOR BEAM TO COLUMN CONNECTIONS [284] <b>Sadun Tanışer</b> , Haluk Sucuoğlu, Cem Topkaya, Salim Azak, Cansu Yaşar, Ugurcan Ozcamur
11:24	FAIL-SAFE BRAKING DEVICE FOR DEALING WITH MASSIVE EARTHQUAKES [308] <b>Takahito Nakamura</b> , Takashi Kato, Shuhei Kaneko, Chou Kei, Masaru Kikuchi, Ken Ishii
11:42	SEISMIC BEHAVIOR ASSESSMENT OF A NEW DAMPER-EQUIPPED BRACED FRAME [349] <b>Murat Dicleli</b> , Ali Salem Milani
10:30 – 12:00	<b>SESSION 3B: Seismic Isolation - Functional Recovery</b> <b>Room:</b> <b>Chair:</b>
10:30	CONSTRUCTING HOSPITALS FOR FUNCTIONALITY AFTER EARTHQUAKES [111] <b>Victor Zayas</b> , Anoop Mokha, Stanley Low
10:48	GAUSSIAN PROCESS-AIDED DESIGN OF SEISMICALLY ISOLATED STRUCTURES FOR FUNCTIONALITY [116] <b>Huy Pham</b> , Tracy Becker
11:06	APPLICATION OF BASE ISOLATION AND ENERGY DISSIPATION FOR THE MARINE VIADUCTS OF THE BATAAN CAVITE INTERLINK BRIDGE PROJECT [342] <b>Norman Quach</b> , Sam Shi, George Baker, Marwan Nader
11:24	PERFORMANCE-BASED SEISMIC DESIGN AND SHAKING TABLE TEST ON PILE-SUPPORTED WHARVES WITH SEISMIC ISOLATION SYSTEM [208] <b>Yao Cui</b>
11:42	DESIGNING AND IMPLEMENTING FUNCTIONAL RECOVERY FOR SEISMICALLY ISOLATED BUILDINGS: TWO CASE STUDIES IN THE UNITED STATES [36] <b>Reid Zimmerman</b> , Ben Herdrich
10:30 – 12:00	<b>SESSION 3C: Energy Dissipation – Modeling and Analysis</b> <b>Room:</b> <b>Chair:</b>
10:30	NUMERICAL CHARACTERIZATION OF THE ULTIMATE CAPACITY OF AN ENERGY DISSIPATOR UNDER CYCLIC LOADING [142] <b>Junior Ramirez Machado</b> , Guillermo Bozzo Fernandez, Jose Manuel Gonzalez Lopez, Fernando Rastellini Canela, Luis Bozzo Rotondo
10:48	A SIMPLIFIED ONE-DIMENSIONAL TIME-HISTORY ANALYSIS METHOD FOR MULTI-LAYERED VISCOELASTIC DAMPERS UNDER DYNAMIC LOADING [173] <b>Qijun Liang</b> , Daiki Sato, Dave Osabel

11:06	MATHEMATICAL MODELING OF HYSTERETIC DAMPING DEVICES USING THE MAXWELL APPROACH [203] Bajrabahu D.N. Deo, <b>Romanbabu Meetei Oinam</b>
11:24	3D VISCOELASTIC DAMPERS: AGE EFFECTS AND VALIDATION OF FSI-BASED NUMERICAL MODELS [211] <b>Ajaykumar Patel</b> , Sai Sharath Parsi, Andrew Whittaker, Michael Constantinou
11:42	SIMILITUDE STUDY FOR SCALING DOWN A MULTI-LAYERED VISCOELASTIC DAMPER BY THREE-DIMENSIONAL FINITE ELEMENT ANALYSIS [242] <b>Dave Osabel</b> , Kazuhiko Kasai, Daiki Sato
10:30 – 12:00	<b>SESSION 3D: Seismic Isolation - Modeling and Analysis</b> Room: Chair:
10:30	A UNIFIED MODELING APPROACH FOR SEISMIC PROTECTION DEVICES WITH COMPLEX RATE-INDEPENDENT HYSTERETIC BEHAVIOR [50] <b>Nicolo' Vaiana</b> , Luciano Rosati
10:48	3D-FEM ANALYSIS ON COMPRESSION-SHEAR BEHAVIOUR OF A COMPLETELY RUPTURED RUBBER BEARING [91] <b>Ryo Umemura</b> , Kenji Kanazawa
11:06	MECHANICAL BEHAVIOR OF LEAD RUBBER BEARINGS UNDER WIND LOADING [97] <b>Masaru Kikuchi</b> , Ken Ishii, Keisuke Tobisawa, Kenta Nagahiro, Tomotaka Wake, Go Tanaka
11:24	INFLUENCE OF MODELING OF ELASTOMERIC RUBBER BEARINGS ON SEISMIC RESPONSE PARAMETERS OF SEISMICALLY ISOLATED STRUCTURES [108] <b>Sebastian Miranda</b> , Eduardo Miranda
11:42	REDUCED ORDER MODELS FOR ROLLING ISOLATION SYSTEM WITH VARIOUS RECENTERING MECHANISMS [263] <b>Pranay Singh</b> , Vasant Matsagar
10:30 – 12:00	<b>SESSION 3E: Seismic Isolation - Bridge Applications</b> Room: Chair:
10:30	SEISMIC RETROFIT OF THE SCOFIELD AVENUE UNDERCROSSING: INNOVATIVE DESIGN SOLUTIONS IN A COMPLEX INDUSTRIAL ENVIRONMENT [316] <b>Pete Norboe</b> , Krishnakant Andurlekar
10:48	ANTI-SEISMIC MEGA-DEVICES, A NEED FOR MODERN STRUCTURES [42] Mauro Sartori, Stefano Barone, Claudio Galbiati, <b>Charles Cynober</b> , Cyril Gaucherand
11:06	SEISMIC ISOLATION OF BRIDGES WITH DAMPED ROCKING PIERS: A CASE STUDY [68] <b>Mehrdad Aghagholizadeh</b>
11:24	DESIGN CONSIDERATIONS FOR SERVICEABILITY LIMIT STATE OF SEISMICALLY ISOLATED HIGH-SPEED RAILWAY BRIDGES [193] <b>Ravi Jangid</b> , Manish Kumar
12:00 – 13:30	<b>Lunch</b>
12:30 – 13:30	<b>Walking Tour 2: Hearst Memorial Mining Building (Isolation) &amp; Grimes Hall (SMAs)</b> All Walking Tours Meet at Registration Desk
12:30 – 15:30	<b>Factory Tour of Earthquake Protection Systems</b> Vallejo, California
<b>13:30 – 15:00 CONCURRENT SESSIONS 4A – 4E</b>	
13:30 – 15:00	<b>SESSION 4A: Seismic Isolation - Bridge Applications</b> Room: Chair:
13:30	INNOVATIVE DEVICES FOR SEISMIC ISOLATION IN JAPANESE BRIDGE ENGINEERING: APPLICATIONS AND ADVANTAGES [189] <b>Javier Lopez Gimenez</b> , Chih-Ching Lin, Kerim Efe Ozcanli, Diego Enrique Taboada
13:48	SEISMIC ISOLATION DESIGN AND TESTING FOR LOS ANGELES' NEW SIXTH STREET VIADUCT [172] <b>Ady Aviram</b> , Michael Jones, Stanley Low, Anoop Mokha
14:06	EISMIC ISOLATION OF THE NEW SR 520 WEST APPROACH BRIDGE SOUTH PROJECT IN SEATTLE WASHINGTON [344] <b>Kevin Almer</b> , Norman Smit

14:24	EXPERIMENTAL SIMULATION OF SEISMICALLY ISOLATED BRIDGES CONSIDERING BEYOND DESIGN SHAKING [265] <b>Kayla Erler</b> , Rosalia Ordonez, Sarah Jeanne, Keri Ryan, Gilberto Mosqueda
14:42	BRIDGE APPLICATIONS OF SLIDING ISOLATION BEARINGS IN EASTERN CANADA [336] <b>Ronald Watson</b> , Jay Conklin
13:30 – 15:00	<b>SESSION 4B: Non-Structural and Equipment Protection</b> Room: Chair:
13:30	ON THE CHALLENGES OF ISOLATING VERTICALLY-DISTRIBUTED NONSTRUCTURAL COMPONENTS FROM INTERSTORY DRIFT [307] <b>Keri Ryan</b> , Tara Hutchinson, Kevin Smith, William Roser, Shokrullah Sorosh, Yi-En Ji
13:48	PERFORMANCE ASSESSMENT OF SMALL-SIZE DOUBLE SURFACE FRICTION PENDULUM ISOLATORS FOR NON-STRUCTURAL SEISMIC PROTECTION [56] <b>Cansu Yaşar</b> , Sadun Tanışer, Cem Eren Aslan, Kaan Kaatsız, Fırat Soner Alıcı, Ahmet Demirhan Sever, Salim Azak, Uğurcan Özçamur
14:06	DYNAMIC TESTING OF FLOOR ISOLATION SYSTEMS [65] <b>Kaan Kaatsız</b> , Fırat Soner Alıcı, Cem Eren Aslan, Sadun Tanışer, Cansu Yaşar, Salim Azak
14:24	SEISMIC ISOLATION OF TALL, SLENDER EQUIPMENT [281] <b>Kaivalya Mitesh Lal</b> , Natalie Doulgerakis, Andrew S. Whittaker
14:42	EVALUATING THE IMPACT OF NON-STRUCTURAL DAMAGE IN ISOLATED HOSPITALS DURING MAJOR EARTHQUAKES [288] <b>Edgar Tapia-Hernandez</b> , Mehmet Cemal Geneş, Jui-Liang Lin
13:30 – 15:00	<b>SESSION 4C: Energy Dissipation - New Technologies</b> Room: Chair:
13:30	ROTARY FRICTION DAMPER FOR STEEL STORAGE PALLET RACKS [137] <b>Bryan Chalarca</b> , Aldo Rapone, Giammaria Gabbianelli
13:48	VIBRATION CONTROL OF OFFSHORE JACKET PLATFORM USING FREQUENCY-SENSITIVE PASSIVE NON-VISCOUS DAMPER WITH NEGATIVE STIFFNESS [212] <b>Nilarghya Sarkar</b> , Sanjukta Chakraborty
14:06	SEISMIC PERFORMANCE OF CLUTCHING INERTER WITH NEGATIVE STIFFNESS DAMPER FOR ISOLATED STORAGE TANKS [274] <b>Ketan Bajad</b> , Naqeeb Ul Islam, R. S. Jangid
14:24	DOT-BY-DOT LATTICE CORNER CRESCENT SHAPED BRACE DEVICE MANUFACTURED USING WIRE ARC ADDITIVE MANUFACTURING TECHNOLOGY [295] Lidiana Arrè, Vittoria Laghi, Giada Gasparini, Tomaso Trombetti, <b>Michele Palermo</b> , Stefano Silvestri, Mahan Alagheband
14:42	NEGATIVE STIFFNESS WALL DEVICE (NSD) AND NEGATIVE STIFFNESS BRACE (NSB) WITH ENHANCED DAMPING FOR ADAPTIVE STRUCTURAL SEISMIC-WIND PROTECTIVE SYSTEMS [313] Satish Nagarajaiah, <b>Sudheendra Herkal</b>
13:30 – 15:00	<b>SESSION 4D: Seismic Isolation - Modeling and Analysis</b> Room: Chair:
13:30	IMPROVING THE PERFORMANCE OF STP DEVICES VIA MODIFIED PLAN GEOMETRIES [19] <b>Norouz Jahan</b> , Niel Van Engelen
13:48	EFFECT OF VERTICAL LOAD ON THE FORCE-DISPLACEMENT HYSTERETIC BEHAVIOUR OF PROTOTYPE UFREI AND PB-FREI [48] Tori Basar, <b>Sajal Kanti Deb</b>
14:06	NON-LINEAR SEISMIC ANALYSIS OF ISOLATED TWO FRAME BRIDGE INCLUDING SOIL STRUCTURE INTERACTION [130] <b>Mohammed Naimi</b>
14:24	THREEDIMENSIONAL FINITE ELEMENT MODELING OF THERMOPLASTIC POLYURETHANE AND ITS USE FOR DAMPING DEVICES [258] <b>Sergio Reyes</b>
14:42	HYBRID RATE-INDEPENDENT DAMPING SYSTEM FOR SEISMIC PROTECTION OF LONG-PERIOD STRUCTURES [11] <b>Wei Liu</b>
13:30 – 15:00	<b>SESSION 4E: Protection of Nuclear and Energy Applications</b> Room: Chair:

<b>13:30</b>	3D SEISMIC PROTECTION OF SMR STRUCTURES: MOTIVATION AND MODULARIZATION PROCEDURES [23] Daniel Siepe, Peter Nawrotzki, <b>Victor Salcedo</b>
<b>13:48</b>	HIGH VOLTAGE TRANSFORMER BASE ISOLATION [82] <b>Robert Cochran</b> , Leon Kempner Jr., Jon Bender, Aisha McKee
<b>14:06</b>	SEISMIC ISOLATION OF REFRIGERATED LIQUID STORAGE TANKS WITH PENDULUM ISOLATORS [117] Maria Gabriella Castellano, <b>Luca Marcolin</b>
<b>15:00 – 15:30</b>	<b>Break</b>
<b>15:30 – 17:15</b> East Pauley	<b>SPECIAL SESSION TO HONOR PROFESSOR JAMES M. KELLY</b>
<b>17:15 – 19:00</b> West Pauley	<b>RECEPTION TO CELEBRATE PROFESSOR JAMES M. KELLY</b>

Thursday, September 18

## Conference Day 3

Time / Location	Description
08:00 – 17:00 Kerr Lobby	<b>Registration Open</b>
08:30 – 10:00 Zellerbach Hall	<b>PLENARY SESSION</b> <b>Keynote Lectures:</b> <b>Professor Masaru Kikuchi</b> , <i>Modeling and Analysis of Seismic Isolation Devices for Extreme Loading Conditions</i> <b>Professor Ping Tan &amp; Professor Yangyang Chen</b> , <i>Research, Development and Application of Seismic Isolation in China</i>
10:00 – 10:30	<b>Break</b>
<b>10:30 – 12:00 CONCURRENT SESSIONS 5A – 5E</b>	
10:30 – 12:00	<b>SESSION 5A: Advances in Testing of Protective Devices</b> <b>Room:</b> <b>Chair:</b>
10:30	EFFECTS OF REINFORCEMENT THICKNESS ON THE RESPONSE OF ELASTOMERIC SEISMIC ISOLATORS [264] Eduardo Montalto, <b>Dimitrios Konstantinidis</b>
10:48	EXPERIMENTAL INVESTIGATION OF FRICTION HEAT PARTITION IN FRICTION PENDULUM BEARINGS USING THIN-FILM THERMOCOUPLES [153] <b>Ping Tan</b> , Jiayi Li, Fulin Zhou
11:06	FULL-SCALE TESTING OF SHOCK TRANSMISSION UNITS FOR LARGE SPAN BRIDGES [280] <b>Samuele Infanti</b> , Aikaterini Evangelia Pigouni, Rudy Borella, Luca Marcolin
11:24	EXPERIMENTAL STUDY ON SCALE EFFECT OF LEAD-RUBBER BEARINGS [59] <b>Mineo Takayama</b> , Kazuhiko Kasai, Masaru Kikuchi, Yu Mu
11:42	TESTING CAPABILITIES OF THE UC SAN DIEGO SEISMIC RESPONSE MODIFICATION DEVICE (SRMD) TEST FACILITY [310] <b>Gilberto Mosqueda</b> , Danny Innamorato
10:30 – 12:00	<b>SESSION 5B: Seismic Isolation - New Technologies</b> <b>Room:</b> <b>Chair:</b>
10:30	INVESTIGATION OF DISCONTINUOUS INERTERS FOR SEISMIC ISOLATION OF ESSENTIAL EQUIPMENT AND COMPONENTS [30] <b>Chia-Ming Chang</b> , Wei-Kai Chen
10:48	ULTIMATE PROPERTY OF FLARE-LIKE STRUCTURE RUBBER BEARINGS [89] <b>Kenji Wakishima</b>
11:06	COST-EFFECTIVE PERFORMANCE-BASED DESIGN OF HIGH-RISE AFFORDABLE HOUSING BUILDINGS USING A NOVEL ISOLATION PLATFORM [44] <b>Awanish Kumar</b>
11:24	DEVELOPMENT AND APPLICATION OF A THREE-DIMENSIONAL VIBRATION ISOLATION BEARING COMPOSED OF THICK LAMINATED RUBBER AND FRICTION PENDULUM [124] <b>Peng Pan</b> , Yingri Cao, Youming Guo, Jiangbo Sun, Haishen Wang
11:42	DEVELOPMENT AND TESTING OF LINER MATERIALS FOR A SLIDING ISOLATION BEARING WITH ADAPTIVE RESTRAINER [228] Jeet Mevawala, <b>Manish Kumar</b> , Durgesh Rai
10:30 – 12:00	<b>SESSION 5C: Energy Dissipation - Performance and Functionality</b> <b>Room:</b> <b>Chair:</b>
10:30	OPTIMIZED SEISMIC PROTECTION WITH SPECIAL VISCOUS DAMPERS WITHIN 33 BOWEN STREET BUILDING IN WELLINGTON [34] <b>Peter Huber</b> , Arun M. M. Puthanpurayil
10:48	DYNAMIC BEHAVIOUR OF ADJACENT FRAME STRUCTURES CONNECTED WITH VISCO-ELASTIC DAMPERS [109] <b>Michele Palermo</b> , Stefano Silvestri

11:06	TWO CASE STUDY OF 22 AND 25 STORY BUILDINGS USING HYBRID COUPLING BEAMS EQUIPPED WITH BUCKLING DELAYED SHEAR LINKS [155] <b>Leonardo Pérez</b> , Guillermo Bozzo, Edinson Muñoz, Albert González i Celda, Eduardo Miranda, Luis Bozzo
11:24	RESPONSE CONTROL OF STEEL MR FRAMES WITH MULTIPLE TMDS FOR ENHANCED PERFORMANCE OBJECTIVES [222] <b>Iwansh Gupta</b> , Vishal Ghuge, Saurabh Shiradhonkar
11:42	APPLICATION OF ENERGY DISSIPATION FOR SOUTH CHANNEL CABLE STAYED BRIDGE OF THE BATAAN CAVITE INTERLINK BRIDGE PROJECT [343] <b>Hardik Patel</b> , Tim Ingham, George Baker, Marwan Nader
10:30 – 12:00	<b>SESSION 5D: Environmental and Long-term Assessment</b> <b>Room:</b> <b>Chair:</b>
10:30	SIGNIFICANCE OF LONG-TERM RELIABILITY OF ISOLATOR PROPERTIES OVER THE DESIGN LIFE OF SEISMICALLY ISOLATED STRUCTURES [230] <b>Anoop Mokha</b> , Victor Zayas, Stanley Low
10:48	EVALUATION FOR AGING EFFECT CHARACTERISTICS OF HIGH-DAMPING RUBBER BEARING USING LONG-TERM EARTHQUAKE OBSERVATION RECORDS OBTAINED FROM A SEISMICALLY ISOLATED BUILDING [77] <b>Sachie Kotsuki</b> , Naoto Yoshida, Masakazu Kurashina
11:06	ANALYSIS OF THE DYNAMIC RESPONSE OF SEISMICALLY ISOLATED BUILDINGS TO EARTHQUAKES OF VARYING INTENSITY [206] <b>Itnur Giziatullin</b>
11:24	CHARACTERIZING SYSTEM-LEVEL PERFORMANCE OF A BASE ISOLATED BUILDING VIA DYNAMIC FIELD TESTING [75] <b>Paolo Calvi</b> , Aldo Rapone, Giammaria Gabbianelli, Tracy Becker, Haluk Sucuoglu, Bryan Chalarca, Igor Lanese, Elisa Rizzo-Parisi, Filippo Dacarro
11:42	DESIGN CRITERIA AND DYNAMIC PROPERTIES OF SEISMIC ISOLATORS AFTER THE OCCURRENCE OF THE PRACTICAL CASE OF THE MAXIMUM CONSIDERED EARTHQUAKE [259] <b>Enrique Morales Moncayo</b> , Marcelo Romo, Victor Zayas
10:30 – 12:00	<b>SESSION 5E: Optimization, AI/ML in Protective Systems Design</b> <b>Room:</b> <b>Chair:</b>
10:30	AN INTERPRETABLE INTELLIGENT SEISMIC BASE-ISOLATION DESIGN FRAMEWORK USING DEEP REINFORCEMENT LEARNING [16] Zhen Wang, <b>Yuqing Gao</b>
10:48	GENETIC ALGORITHM-BASED OPTIMIZATION OF TUNED MASS DAMPER-INERTER SYSTEMS: APPLICATION TO CIRCUS MAXIMUS' MOLETTA TOWER [341] Adel Bali, Alessandro Cardoni, Abderraouf Louar, <b>Gian Paolo Cimellaro</b>
11:06	SEISMIC PERFORMANCE OF BRIDGES USING VARIABLE FRICTION PENDULUM ISOLATORS UNDER NEAR-FAULT EARTHQUAKES [38] Ping Tan, Zhi Xian, Kui Yang, Meng Sun, <b>Wenzhi Zheng</b>
11:24	REINFORCEMENT LEARNING-DRIVEN ACTIVE SAMD CONTROL FOR BUILDING VIBRATIONS [145] <b>Yuya Aoyama</b> , Raman Goyal, Osamu Yoshida, Takahiro Suzuki, Ryosuke Anamizu, Hiroshi Hirata, Daiki Shimizu
11:42	INFLUENCE OF RANDOM MECHANICAL PROPERTIES OF ISOLATION DEVICES ON THE SEISMIC RISK ASSESSMENT [309] <b>Marco Furinghetti</b> , Alberto Pavese
12:00 – 13:30	<b>Lunch</b>
12:30 – 13:30	<b>Walking Tour 3: Downtown Berkeley Isolated Buildings</b> All Walking Tours Meet at Registration Desk
12:30 – 15:30	<b>Factory Tour to Earthquake Protection Systems</b> Vallejo, California
<b>13:30 – 15:00 CONCURRENT SESSIONS 6A – 6E</b>	
13:30 – 15:00	<b>SESSION 6A: Low-Cost and Sustainable Solutions</b> <b>Room:</b> <b>Chair:</b>
13:30	DEVELOPMENT OF FREIS: STRENGTHS AND AREAS FOR FUTURE RESEARCH [9] <b>Niel Van Engelen</b>

13:48	DESIGN AND CONSTRUCTION OF THE FIRST BUILDING WORLDWIDE WITH A LOW-COST PVC-SAND SEISMIC ISOLATION SYSTEM [346] <b>Anastasios Sextos</b> , Nicholas Alexander, Vibek Manandhar, Sangib Shrestha, Rabin Chaulagain, Vita Sanderson, Timur Timurhan, Jorje Lopez, Hayley Gryc, Narayan Marasini, Ramesh Guragain
14:06	SHAKE TABLE TESTING OF AN UNREINFORCED MASONRY BUILDING ISOLATED WITH ELASTOMERIC SPHERES [128] Sergio Reyes, Dario Candebat Sanchez, Marcial Blondet, Harris Mouzakis, <b>Michalis Vassiliou</b>
14:24	BASALT FIBER-REINFORCED ELASTOMERIC ISOLATORS FOR SEISMIC ISOLATION OF LIGHT-WEIGHT STRUCTURES [175] <b>Manish Kumar</b> , Dhanashree Tulankar
14:42	EXPERIMENTAL TESTING OF ROLLING SEISMIC ISOLATORS USING RUBBER SPHERES OR GROUT-FILLED TENNIS BALLS [26] <b>Antonios Katsamakos</b> , Michalis Vassiliou
13:30 – 15:00	<b>SESSION 6B: Behaviour in Recent Earthquakes</b> Room: Chair:
13:30	ESTIMATION OF SEISMIC BEHAVIOR OF SEISMICALLY ISOLATED BUILDINGS FROM A SCRATCH PLATE RECORD AND A NEARBY EARTHQUAKE GROUND MOTION RECORD [15] <b>Masashi Yamamoto</b> , Mineo Takayama, Keiko Morita
13:48	RESIDUAL DISPLACEMENTS IN BASE-ISOLATED HOSPITALS DURING THE FEBRUARY 6, 2023, KAHRAMANMARAŞ EARTHQUAKE SEQUENCE [80] <b>Fırat Soner Alıcı</b> , Kaan Kaatsız, Haluk Sucuoğlu
14:06	SEISMIC PERFORMANCE OF BUILDINGS WITH PASSIVE CONTROL TECHNOLOGIES IN MEXICO CITY DURING THE SEPTEMBER 19, 2017 EARTHQUAKE. CURRENT TRENDS [134] <b>Arturo Tena-Colunga</b> , Héctor Hernández-Ramírez
14:24	SEISMIC PERFORMANCE OF SIS TRIPLE PENDULUM ISOLATORS INSTALLED AT THE KMS MANZANILLO LNG TANKS DURING THE MEXICO 2022 M7.7 EARTHQUAKE [215] <b>Eduardo Marin</b> , Victor Zayas, Stanley Low, Jhon Choque
14:42	OBSERVED PERFORMANCE OF SEISMICALLY ISOLATED HEALTHCARE FACILITIES FOLLOWING MAJOR EARTHQUAKES [179] <b>Marija Trifunovic</b> , Carlos Piscal, Ady Aviram, Victor Zayas
13:30 – 15:00	<b>SESSION 6C: Energy Dissipation - Modeling and Analysis</b> Room: Chair:
13:30	PERFORMANCE OF DIFFERENT METAHEURISTIC SEARCH ALGORITHMS TO FIND OPTIMAL DAMPER ALLOCATION TO REHABILITATE BUILDING STRUCTURES [52] <b>Baki Ozturk</b> , Arcan Koroglu, Altay Sahin, Huseyin Cetin, Ersin Aydin
13:48	NONLINEAR DYNAMIC SEISMIC ANALYSIS INCLUDING SSI OF THE NEW UCSF HEALTH HELLEN DILLER HOSPITAL DESIGNED WITH FLUID VISCOUS DAMPERS [87] <b>Andres Rodriguez Burneo</b> , Jose Restrepo, Mina Riad, Daniel Tunick, Eleanor Siow, Elie Elkhoury, <b>Anthony Giammona</b> , Jonathan Buckalew, Sudharshan Navalpakka, Michael Gemmill
14:06	SEISMIC RETROFIT OF EXISTING FRAME BUILDINGS USING FLUID-VISCOUS DAMPERS ACCORDING TO DIFFERENT DAMPER CONFIGURATIONS [90] <b>Emma Ghini</b> , Giada Gasparini, Michele Palermo, Stefano Silvestri
14:24	PERFORMANCE-BASED DESIGN METHODOLOGY FOR STEEL BUILDINGS UTILIZING INERTIAL MASS DAMPERS [220] <b>Kensaku Kaneko</b> , Kazuhiko Kasai, Hidenori Kida, Shinya Ushizaka, Yuki Baba, Tomoya Nagasaku, Masato Ishii, Hisao Yamazaki
14:42	NON-PROPORTIONAL PLACEMENT OF INERTIAL MASS DAMPERS OPTIMIZED FOR EQUIVALENT STORY STIFFNESS IN MULTI-STORY BUILDINGS [221] <b>Hiroaki Komori</b> , Kensaku Kaneko
13:30 – 15:00	<b>SESSION 6D: Experimental Evaluation of Devices</b> Room: Chair:
13:30	EXPERIMENTAL AND NUMERICAL STUDY OF THE HYSTERETIC PERFORMANCE OF THE DAMPER [83] <b>Ferit Gashi</b> , Francesco Petrini, Alessandro Guarnieri
13:48	DESIGN AND EXPERIMENTAL VALIDATION OF A LARGE-SCALE SLIDING ISOLATOR WITH VARIABLE CURVATURE (SIVC) CONSIDERING SLIDER DIMENSION EFFECT [125] <b>Lyan-Ywan Lu</b> , Tsung-Yu Lin, Chun-Chieh Lo, Shao-Jou Wang, Yu-Cing Chiu

<b>14:06</b>	EXPERIMENTAL EVALUATION OF FRICTION VARIABILITY OF CURVED SURFACE SLIDER ISOLATORS AND EFFECT ON THE SEISMIC PERFORMANCE AND ACCEPTANCE TESTS REQUIREMENTS [180] <b>Antonio Di Cesare</b> , Nicla Lamarucciola, Felice Carlo Ponzo
<b>14:24</b>	EXPERIMENTAL STUDY ON DYNAMIC CHARACTERISTICS OF ELEVATED COMPOUND SEMI-BONDED CARBON FIBER-REINFORCED ELASTOMERIC SEISMIC ISOLATORS [188] <b>Heshmatollah Adibnatanzi</b> , Carlos Ventura, Solomon Tesfamariam
<b>14:42</b>	EXPERIMENTAL PERFORMANCE OF PENDULUM BASE ISOLATORS FOR SEISMIC PROTECTION OF BUSTS AND STATUES [306] <b>Luigi Di Sarno</b>
<b>13:30 – 15:00</b>	<b>SESSION 6E: Seismic Isolation – Innovative Applications</b> <b>Room:</b> <b>Chair:</b>
<b>13:30</b>	AN EXAMPLE OF ONE OF THE FIRST SEISMICALLY ISOLATED HOUSING PROJECTS IN TURKEY: AFYON RESIDENTIAL PROJECT [28] <b>Mircan Kaya</b> , Ozgur Tuga, Maria Gabriella Castellano, Samuele Infanti, Luca Marcolin
<b>13:48</b>	INNOVATIVE ISOLATION FOR VIBRATION-SEISMIC DUAL CONTROL OF FULLY FRAME-SUPPORTED OVER-TRACK STRUCTURE [17] <b>Yangyang Chen</b> , <b>Zhenyu Yang</b> , Ping Tan, Fulin Zhou
<b>14:06</b>	SEISMIC RETROFIT OF HOSPITAL STRUCTURES IN COLOMBIA USING BUCKLING-RESTRAINED BRACES: A LIFE-CYCLE COST APPROACH [45] <b>Luis F. Caballero-Castro</b> , Carlos Montes, Orlando Arroyo, Jesús D. Villalba-Morales
<b>14:24</b>	STATUS OF BASE ISOLATION APPLICATIONS IN BANGLADESH [110] <b>Tahmeed Malik Al-Hussaini</b> , Syed Ishtiaq Ahmed, Khondaker Sakil Ahmed
<b>14:42</b>	DESIGN OF AN 800-BED MULTI-SPECIALTY HOSPITAL WITH ELASTOMERIC ISOLATION SYSTEMS: SEISMIC ANALYSIS AND CALCULATION [196] <b>Zhassulan Omarov</b> , Begman Kulbaev, Yerali Shokbarob, Alma Karshalova, <b>Gani Temiraliuly</b>
<b>15:00 – 15:30</b>	<b>Break</b>
<b>15:30 – 17:15</b> East Pauley	<b>SPECIAL SESSION: ENERGY INFRASTRUCTURE</b> <b>Moderator: Prof. Andrew Whittaker</b>  DESIGN AND SHAKE TABLE TESTING OF A 3D SEISMIC ISOLATION SYSTEM FOR MISSION-CRITICAL EQUIPMENT [-] <b>Cameron Black</b>  STANDARDIZING DESIGN NUCLEAR POWER PLANTS THROUGH SEISMIC ISOLATION [112] <b>Jianhua Xian</b> , <b>Tracy Becker</b>  PROBABILISTIC SEISMIC SAFETY ASSESSMENT FOR SEISMICALLY ISOLATED NPP STRUCTURES CONSIDERING A CLEARANCE HARD STOP [319] <b>Minkyu Kim</b>  EFFECTS OF GAMMA RADIATION ON THE MECHANICAL PROPERTIES OF SPHERICAL SLIDING AND COIL-SPRING ISOLATORS [141] <b>Ajaykumar Patel</b> , Dean Peterman, Evans Kitcher, Chandrakanth Bolisetti, Andrew Whittaker  AN ADVANCED THREE DIMENSIONAL ISOLATION SYSTEM FOR SEISMIC SAFETY OF HORIZONTALLY CONFIGURED HIGH-TEMPERATURE GAS REACTORS [176] Manish Kumar, <b>Sanjay Kumawat</b> , Arghadeep Laskar  PANEL DISCUSSION: Cameron Black, Tracy Becker, Victor Salcedo, Minkyu Kim, Manish Kumar
<b>17:15 – 18:00</b> Tilden Room	<b>ASSISI GENERAL ASSEMBLY</b>
<b>18:00 – 21:30</b> Lower Sproul Plaza	<b>CONFERENCE BANQUET</b> 18:00 - 19:00 Cocktails 19:00 - 21:30 Dinner, Awards

Friday, September 19

## Conference Day 4

Time / Location	Description
08:00 – 11:00 Kerr Lobby	<b>Registration Open</b>
<b>08:30 – 10:00 CONCURRENT SESSIONS 7A – 7E</b>	
08:30 – 10:00	<b>SESSION 7A: Cultural Heritage Protection</b> Room: Chair:
08:30	NEW ANTI-SEISMIC TECHNOLOGIES AND CULTURAL HERITAGE: STATE-OF-THE-ART REVIEW IN ITALY [62] Paolo Clemente, Alessandro Martelli, <b>Chiara Ormando</b>
08:48	SEISMIC ISOLATION AND SEISMIC UPGRADE OF THE CANADIAN PARLIAMENT BUILDING AND PEACE TOWER [209] <b>John Sherstobitoff</b>
09:06	SMART MATERIALS FOR THE SEISMIC PROTECTION OF ROMAN-AGE STATUES AT THE VILLA OPLONTIS SITE OF THE ARCHAEOLOGICAL PARK OF POMPEII [96] <b>Alessandra Aprile</b> , Eleonora Grossi, Alessandra Zambrano, Gabriel Zuchtriegel
09:24	SEISMIC PROTECTION OF THE MEDIEVAL BELL TOWER OF CASERTAVECCHIA (ITALY) BY USING ACTIVE MASS DAMPERS [330] <b>Gianfranco De Matteis</b> , Mattia Zizi, Corrado Chisari, Barbara Zulian, Michaelle Tripi
09:42	INNOVATIONS IN THE SEISMIC ISOLATION RETROFIT OF THE HISTORIC SALT LAKE TEMPLE OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS [261] <b>Mason Walters</b> , Rene Vignos, Lindsey Bonfill, Ali Roufegarinejad
08:30 – 10:00	<b>SESSION 7B: Seismic Isolation – Innovative Applications</b> Room: Chair:
08:30	ADVANCED MODELING OF FRICTION PENDULUM SYSTEMS: INSIGHTS FROM THE GIANT MAGELLAN TELESCOPE [39] <b>Claudio Sepulveda</b> , Gilberto Mosqueda, Ricardo Bustamante, Alejandro Hazard, Sebastian Rojas, Alberto Fernandez, Inigo Hernandez, Nerea Castro, Armando Bilbao, Bruce Bigelow, Gustavo Arriagada, Eduardo Villar, Christopher Madden, Miroslav Vulinovic, Francisco Meza, Hector Swett
08:48	A STATE-OF-THE-ART REVIEW OF INTERMEDIATE SEISMIC ISOLATION [67] <b>Luke Reilly</b> , Giovanni De Francesco, Masahito Kobayashi, Bing Qu
09:06	A SIMPLE METHOD FOR ESTIMATING MAXIMUM RESPONSE AND CONTROL FORCE FOR BASE-ISOLATED BUILDING WITH ACTIVE CONTROL UNDER ACROSS-WIND DIRECTION [151] <b>Yinli Chen</b> , Ryuki Kamano, Daiki Sato, Kou Miyamoto, Jinhua She
09:24	INNOVATIVE DESIGN AND SUSTAINABLE LIVING IN EARTHQUAKE-RESILIENT STRUCTURES: A COMPREHENSIVE APPROACH TO URBAN SAFETY AND TECHNOLOGY INTEGRATION [262] <b>Ozan Pinar</b>
09:42	STATISTICAL RESPONSE OF MID-STORY ISOLATED STRUCTURES IN LINEARIZED ELASTIC CONDITIONS [335] Min Thit Khant, Giovanni De Francesco
08:30 – 10:00	<b>SESSION 7C: Energy Dissipation – Innovative Applications</b> Room: Chair:
08:30	DEVELOPMENT AND PRELIMINARY EXPERIMENTAL CHARACTERIZATION OF A FRICTION-BASED STRUCTURAL CONNECTION WITH PREDETERMINED DISCRETE VARIABLE FRICTION FORCES FOR HIGH-PERFORMANCE EARTHQUAKE-RESISTANT BUILDINGS [10] <b>Kaixin Chen</b> , Georgios Tsampras
08:48	SEISMIC RETROFIT OF A PRECAST RC BUILDING WITH BIDIRECTIONAL ROTATIONAL FRICTION DAMPERS (BRFDs) IN NORTHERN ITALY [94] Matteo Zerbin, Eleonora Grossi, Paolo Livieri, <b>Alessandra Aprile</b>
09:06	INNOVATIVE RETROFIT OF MID-RISE STEEL MOMENT FRAME BUILDING UTILIZING VISCOUS DAMPERS [254] <b>Rahul Sharma</b>

<b>09:24</b>	PRACTICAL APPLICATION OF INERTER TECHNOLOGY FOR SEISMIC ISOLATION [292] <b>Christian Meinhardt</b>
<b>09:42</b>	SEISMIC PROTECTION OF MASONRY STRUCTURES: STUDY ON A MONUMENTAL BUILDING IN SOUTHERN ITALY AND PRELIMINARY NUMERICAL ANALYSES OF DISSIPATIVE RECENTERING TIE RODS [294] <b>Nicla Lamarucciola, Rocco Ditommaso, Domenico Canosa, Antonio Di Cesare, Felice Carlo Ponzo</b>
<b>10:00 – 10:30</b>	<b>Break</b>
<b>10:30 – 12:00</b> Zellerbach Hall	<b>PLENARY SESSION</b> <b>Keynote Lectures:</b> <b>Dr. David Whittaker, <i>Fifty Years of Development and Implementation of Seismic Isolation and Energy Dissipation Engineering in New Zealand</i></b> <b>Dr. Ian Aiken</b> <b>Conference Close</b>
<b>12:00 – 12:30</b>	<b>Box Lunch Pickup</b>
<b>12:30 – 17:30</b>	<b>TECHNICAL TOURS</b> TT1: San Francisco Bay Area Bridges with Protective Systems TT2: Seismically Isolated and Damped Buildings TT3: Factory Tour to Earthquake Protection Systems, Vallejo, California