

Foundation EUCENTRE – Pavia, ITALY
September 6-8, 2017

Final programme

		Sept. 6, 2017 Wednesday	Sept.7, 2017 Thursday	Sept. 8, 2017 Friday
8.45	9.15		Keynote lecture: O.S. Bursi - Room DICAr	Keynote lecture: R. Enokida - Room DICAr
9.15	9.45		Keynote lecture: M. Fardis - Room DICAr	Keynote lecture: M. Hoelher - Room DICAr
9.45	11.15		Parallel Sessions	Parallel Sessions
			SS5: Experimental investigation of RC precast buildings - Room DICAr	SS7: Computer-vision based structural health monitoring - Room DICAr
			S3.1: Hybrid Simulation and Other On-Line Testing Techniques I - Room 1	S7.1: Hybrid Simulation and Other On-Line Testing Techniques IV - Room 2
			S3.2: Novel Testing, Measuring and Monitoring Techniques in Structural Engineering - Room 2	
11.15	11.30	Coffee break	Coffee break	
11.30	13.00	Registration	Parallel Sessions	Parallel Sessions
			SS4A: Field Testing and Structural Health Monitoring I - Room DICAr	SS3: Advances in Experimental Soil-Structure Interaction - Room DICAr
			S4.1: Application of Experimental results to Structural Design and Analysis II – Room 1	S8.1: Application of Experimental results to Structural Design and Analysis IV - Room 1
			S4.2: Hybrid Simulation and Other On-Line Testing Techniques II – Room 2	S8.2: Design of new facilities, testing procedures - Room 2
13.00	13.30	Welcome reception	Lunch Break	Closing Ceremony
13.30	14.00			Farewell gathering

14.00	14.30	Opening Ceremony	Presentation of the volume in memory of Nigel Priestley
14.30	15.00	Keynote lecture n.1: B. Stojadinovic - Room DICAr	Keynote lecture: A. Filltrault - Room DICAr
15.00	15.30	Keynote lecture n.2: G.M. Calvi - Room DICAr	Keynote lecture: Xilin Lu - Room DICAr
15.30	17.00	Parallel Sessions	Parallel Sessions
		SS1A: Recent advances in testing of structural and nonstructural masonry I - Room DICAr	SS4B: Field Testing and Structural Health Monitoring II - Room DICAr
		S1.1: Active and Passive Structural Control I - Room 1	S5.1: Hybrid Simulation and Other On-Line Testing Techniques III - Room 2
		S1.2: Application of Experimental results to Structural Design and Analysis I - Room 2	S5.2: Active and Passive Structural Control II - Room 1
17.00	17.15	Coffee break	Coffee break
17.15	18.45	Parallel Sessions	Parallel Sessions
		SS1B: Recent advances in testing of structural and nonstructural masonry II - Room DICAr	SS6: Experimental assessment of isolation devices - Room DICAr
		SS2: Hybrid Simulation Methods for Multi-hazard Engineering - Room 2	S6.1: Modeling/Numerical Simulation in Predicting and Interpreting Experimental Results - Room 1
		S2.1: Structural Health Monitoring, Signal processing, Diagnostic and Prognostic - Room 1	S6.2: Application of Experimental results to Structural Design and Analysis III - Room 2
19.00	19.30	Dinner at EUCENTRE Terrace	Presentation of the new multiaxial shaking table LAB2
19.30	21.00		Social Dinner at EUCENTRE Laboratories
21.00	22.00		

Special Sessions

SS1A	Recent advances in testing of structural and nonstructural masonry - I	Room DICAr	Sept. 6	15:30-17:00
	Organizer: prof. Andrea Penna, University of Pavia			
Document #	Titles and Authors			
63	Shaking Table Tests on 1/2 Scale One Story Masonry Structure Marco Di Ludovico, Alberto Balsamo, Gennaro Maddaloni , Nunzia Iuliano, Giuseppe Maddaloni, Andrea Prota, Gaetano Manfredi			
99	Shaking Table Out-of-plane Collapse Tests of Slender URM Walls Francesco Graziotti, Umberto Tomassetti, Luca Grottoli, Andrea Penna, Guido Magenes			
110	Examples of Centrifuge Testing for Experimental Structural Engineering Matthew J. DeJong , Stefan Ritter, Iason Pelekis, Callum Fleming			
130	Collapse Analysis of Unreinforced Masonry Vaults Using 3D-printed Scale-model Testing Michela Rossi , Cristián Calvo Barentin, Tom Van Mele, Philippe Block			
136	Experimental and Numerical Analysis of Seismic Response of Unreinforced Masonry Cross Vaults Chiara Calderini, Michela Rossi , Sergio Lagomarsino, Lucrezia Cascini, Francesco Portioli			

SS1B	Recent advances in testing of structural and nonstructural masonry - II	Room DICAr	Sept. 6	17:15-18:45
	Organizer: prof. Andrea Penna, University of Pavia			
Document #	Titles and Authors			
220	Development of experimental prototypes on innovative masonry infills Paolo Morandi			
104	In-Plane Cyclic and Out-of-Plane Dynamic Testing Procedures for Infilled RC Frames Riccardo R. Milanesi , Paolo Morandi, Filippo Dacarro, Luca Albanesi, Guido Magenes			
108	In-plane Cyclic Tests on Innovative Infills with Sliding Joints and their Numerical Simulation Andrea Rossi , Paolo Morandi, Riccardo R. Milanesi, Guido Magenes			
125	Experimental Mechanical Characterisation Of Stone Masonry Under Uniaxial And Biaxial Stress Strate Francesco Vanin, Katrin Beyer			
202	Open-Air Cyclic Testing of a Large-Scale Stone Masonry Specimen İhsan Engin Bal, Eleni Smyrou, Murat Alaboz, Mehmet Nuri Yavuzer, Cem Demir, Mustafa Cömert, Alper İlki			

SS2	Hybrid Simulation Methods for Multi-hazard Engineering Organizer: Prof. Shirley Dike, Purdue University and Narukoti Nakata, Clarkson University	Room 2	Sept. 6	17:15-18:45
Document #	Titles and Authors			
79	Advanced Real-Time Hybrid Simulation for Assessment of Tall Building Performance under Multiple Natural Hazards James Ricles , Chinmoy Kolay, Thomas Marullo			
24	Development of Advanced Experimental Technology on Reproducing Floor Response of High-rise Buildings subjected to Ground Motions Pei-Ching Chen , Chin-Ta Lai, Keh-Chyuan Tsai			
65	Example of Practical Decisions when Implementing a Hybrid Test for Producing Reference Results Francisco-Javier Molina , Pierre Pegon			
114	Vision for Hybrid Simulation Testing of Buildings under Wind Loading Mohamed A. Moustafa, Peter Irwin			
90	Development of New Real-Time Force Control Methods for Implementing Real-Time Hybrid Simulation and Effective Force Testing Yunbyeong Chae, Ramin Rabiee, Abdullah Dursun, Chul-Young Kim			
51	Development and Optimization Case Study of Distributed Real-Time Hybrid Simulation Method Xin Li , Xilin Lu, Lei Lu, Jiaqi Xu, Wensheng Lu, Shirley Dyke			

SS3	Advances in Experimental Soil-Structure Interaction Organizer: Prof. Carlo Lai, University of Pavia	Room DICAr	Sept. 8	11:30-13:00
Document #	Titles and Authors			
157	Physical Modelling of Soil-Structure Interaction Vincenzo Fioravante , Daniela Giretti			
151	Soft Grouting for Seismic Isolation Valeria Nappa, Emilio Bilotta, Alessandro Flora			
170	Slabs on Grades Supported by Soil Reinforced with Inclusions Cyril Plomteux , Jerome Racinais			
171	Rayleigh waves steering via seismic metamaterials Antonio Palermo, S. Krodel, C. Daraio, Alessandro Marzani			
172	Feasibility Study of a Full-scale On-site Shake Table Test of an Existing Building Marco Furinghetti , Alberto Pavese, Simone Peloso, Carlo G. Lai			

SS4A	Field Testing and Structural Health Monitoring - I	Room DICAr	Sept. 7	11.30-13.00
	Organizer: Prof. V. Dertimanis & Prof. E. Chatzi, ETH Zürich and Prof. M.P. Limongelli, Polytechnic of Milan, Dr. Mehmet Çelebi, USGS, USA			
Document #	Titles and Authors			
17	Monitoring And Safety Evaluation On The Reinforced Concrete Floor During Moving Of Overweight Facility Jianyun Sun, Cuiqiang Zhang, Peng Wang, Zhaoran Wang, Pengfei Shi			
112	Integration of in Lab Experiments and Numerical Modeling in a Short-Term Safety Evaluation System for Beam-Type Bridges Marco Bonopera, Kuo-Chun Chang, Chun-Chung Chen, Bo-Han Lee, Yu-Chi Sung, Nerio Tullini			
124	Structural health monitoring and damage detection techniques: numerical and experimental case studies Rocco Ditommaso, Maria, De Bonis, Chiara, Iacovino, Maria P. Limongelli, Felice C., Ponzio, Daniele, Spina			
98	Compensation of Temperature Effect on Impedance-based Damage Monitoring in Prestressed Tendon-Anchorage System Jeong-Tae Kim, Thanh-Canh Huynh, So-Young Lee, Joo-Young Ryu			
102	Monitoring Is Essential In Assessing The Risks And Vulnerabilities Of Tall Buildings To Long-Period Earthquake Motions From Distant Sources Mehmet Çelebi			
106	Dynamic System Properties from Real-Scale Free-Vibration Soil-Structure Interaction Experiments Dimitris Pitilakis, Athanasios Vratsikidis			
SS4B	Field Testing and Structural Health Monitoring - II	Room DICAr	Sept. 7	15.30-17.00
	Organizer: Prof. V. Dertimanis & Prof. E. Chatzi, ETH Zürich and Prof. M.P. Limongelli, Polytechnic of Milan, Dr. Mehmet Çelebi, USGS, USA			
Document #	Titles and Authors			
111	An Overview of Frequency and Damping Wandering in Existing Buildings Philippe Guéguen			
113	Operational Regime Clustering for the Construction of PCE-Based Surrogates of Operational Wind Turbines Luis David Avendaño-Valencia, Braulio Barahona, Cyprien Hoelzl, Eleni N. Chatzi			
115	Digital Image Correlation for Dynamic Shake Table Test Measurements Luna Ngeljaratan, Mohamed A. Moustafa			
150	Borgoforte Bridge Case: from Real-Time Monitoring to Risk Assessment and Management Alfredo Cigada, Gianluca Crotti, Francesco Ballio			
134	Experimental Analysis of the Torlonia Building in Avezano, Italy Giovanni Bongiovanni, Giacomo Buffarini, Paolo Clemente, Fernando Saitta, Concetta Tripepi			
137	Why the Z24 Bridge is so Important Keith Worden, Charles R. Farrar, Haichen Shi, Elizabeth J. Cross			

SS5	Experimental investigation of RC precast buildings Organizer: Dr. R. Nascimbene, Foundation EUCENTRE, Pavia and Prof. G. Magliulo, University of Naples “Federico II”	Room DICAr	Sept. 7	9.45-11.15
Document #	Titles and Authors			
140	Experimental Evaluation of the Seismic Response of Precast Wall Connections Emanuele Brunesi, Roberto Nascimbene, Simone Peloso			
105	Experimental Studies of Beam-to-Column Dowel Connections in RC Precast Buildings Tatjana Isaković, Blaž Zoubek, Miha Kramar, Matej Fischinger			
94	Experimental and Numerical Validation of a Sustainable and Innovative Construction System Guido Bregoli, Paolo Riva			
97	Full-Scale Testing of a Precast Structure with Different Configurations of Cladding Panels: the Devil is in the Detail Marco Lamperti Tornaghi, Paolo Negro			

SS6	Experimental assessment of isolation devices Organizer: Prof. Mauro Dolce, Direttore Generale Dipartimento della Protezione Civile	Room DICAr	Sept. 7	17.15-18.45
Document #	Titles and Authors			
139	Effect of Friction on the Re-Centring Capability of Sliding Bearings with Curved Surfaces Virginio Quaglini, Paolo Dubini, Emanuele Gandelli			
96	Experimental Evaluation of the Size Effect on Flat and Curved Sliding Motions Marco Furinghetti, Alberto Pavese			
173	In situ dynamic tests on buildings with seismic isolation systems Mauro Dolce, Claudio Moroni, R. Di Tommaso, Francesco Giordano			
174	Testing of seismic isolators and dampers: considerations and standard requirements Felice Ponso			
175	Seismic risk assessment of buildings with different isolation systems Andrea Dall'Asta			

SS7	Computer-vision based structural health monitoring Organizer: prof. Youngjin Cha, University of Manitoba, Canada	Room DICAr	Sept. 8	9:45-11:15
Document #	Titles and Authors			
80	Faster R-CNN Based Structural Surface Damage Detection Sadegh Mahmoudkhani, Young-Jin Cha			
50	Fusion of ViSP (Visually Served Paired Structured Light System) with IMU for High-speed 6-DOF Structural Displacement Measurement Jeon Haemin			
69	Rapid, Automated Post-Event Image Classification and Documentation Chul Min Yeum, Shirley J. Dyke , Bedrich Benes, Thomas Hacker, Julio Ramirez, Alana Lund, Santiago Pujol			
81	Autonomous UAV for Structural Health Monitoring Dongho Kang, Young-Jin Cha			
149	Full-field Imaging and Modeling of Structural Dynamics with Digital Video Cameras Yongchao Yang , Charles Farrar, David Mascarenas			

Other Parallel Sessions

S1.1	Active and Passive Structural Control I Chair: Dr. Marco Furinghetti, University of Pavia, EUCENTRE, Italy	Room 1	Sept. 6	15:30-17:00
Document #	Titles and Authors			
28	Characterization of Frictional Properties of Different Sliding Materials for Curved Surface Sliders Stefano Barone, Alberto Pavese , Gian Michele Calvi			
46	Seismic Response Analysis of Nuclear Structure Using Innovative Three-Dimensional Isolation Device Hao Xu, Wenguang Liu , Shaoping Li, Daoming Zi, Wenfu He			
47	Multi-Target Design of Offshore Soft Soil Bridge Isolated with MFPS Siqi Wang , Yong Yuan, Hongping Zhu			
55	Dynamic Testing of a Full-scale Hydraulic Inerter-Damper for the Seismic Protection of Civil Structures Shigeki Nakaminami, Hidenori Kida, Kohju Ikago , Norio Inoue			
57	Experimental Evaluation on Seismic Behavior of Steel Panel Dampers in Frame Structures Xiaoxuan Zhang, Wenhan Yin, Huajian Jin, Feifei Sun, Dazhu Hu			

S1.2	Application of Experimental results to Structural Design and Analysis - I Chair: Prof. Paolo Riva, University of Bergamo, Italy	Room 2	Sept. 6	15.30-17.00
Document #	Titles and Authors			
23	Seismic Residual Displacement of Core-Outrigger Structure Under Resonant Ground Motions Fei Fei Sun, Zhi Bin Hu , Lei Xiao, Jie Huang			
29	In-plane Mechanical Model of the Roller Guide-rail System in Elevators Xiaoyan Wang , Wensheng Lu, Baofeng Huang, Khalid M. Mosalam			
34	Shaking Table Tests of RC Structure with Replaceable Coupling Beams Cong Chen , Xilin Lu, Xin Li			
67	Experiment Design and Bidirectional Tests of a Full-scale Two-story Spatial Buckling-Restrained Braced RC Frame Jianyun Sun, Qiyang Tan , Pengfei Shi, Guoshan Xu, Bin Wu, Yongxi Zhao, Liulian Li, Minghui Zhai			
128	Experimental Investigation of a New Pier-to-deck Connection for Steel Concrete Composite Bridges in Longitudinal Direction Fabrizio Paolacci , Renato Giannini, Silvia Alessandri			

S2.1	Structural Health Monitoring, Signal processing, Diagnostic and Prognostic Chair: Dr. Chiara Casarotti, EUCENTRE, Italy	Room 1	Sept. 6	17.15- 18.45
Document #	Titles and Authors			
44	Statistical Analysis of Pit Depths of Corroded Post-Tensioned Strands According to Different Chloride Condition in a Real Bridge on Service Seung Hee. Kwon, Seon Doo. Jo, Chul Young. Kim			
64	Permanent Monitoring and Real Time Assessment Simone Peloso, Fortunato Cuppari, Chiara Casarotti, Alberto Pavese			
78	Ambient-vibration measurements as a tool for robust seismic assessment of existing large-size residential buildings Yves Reuland			
41	Neural Network Based Auxiliary Controller for Online Signal Correction of Electric Linear Motor Shake Table Selma H. Larbi, Nouredine Bourahla, Hacine Benchoubane, Mohamed Badaoui			
S3.1	Hybrid Simulation and Other On-Line Testing Techniques - I Chair: Prof. Oreste Bursi, University of Trento, Italy	Room 1	Sept. 7	9.45-11.15
Document #	Titles and Authors			
25	Hierarchical Kriging Surrogate of the Seismic Response of a Steel Piping Network Based on Multi-Fidelity Hybrid and Computational Simulators Giuseppe Abbiati, Imad Abdallah, Stefano Marelli, Bruno Sudret, Bozidar Stojadinovic			
54	Online Hybrid Test on a Seismically-Retrofitted Masonry Building Tao Wang, Xiaoting Wang, Xi Chen, Wenfeng Li			
56	An Experimental Study on the Robustness of a Tuned Viscous Mass Damper System Incorporated into a Single-Degree-Of-Freedom Structure Kohju Ikago, Shun Taniguchi, Masahiro Ikenaga, Shigeki Nakaminami, Norio Inoue1, Kenji Saito			
31	Multi-Axial Subassembly Testing at ETH ZÜRICH: A Newly Conceived Test Stand for Large-Scale Hybrid Simulations Giuseppe Abbiati, Bozidar Stojadinovic			
87	Stability analysis of a real-time shake table hybrid simulation for linear and non-linear SDOF systems Gidewon G. Tekeste, António A. Correia, Aníbal G. Costa			
S3.2	Novel Testing, Measuring and Monitoring Techniques in Structural Engineering Chair: Dr. Paolo Dubini, Politecnico di Milano, Italy	Room 2	Sept. 7	9.45-11.15
Document #	Titles and Authors			
19	Enhancing Cyclic Strength of Welded Tubular Structures Feleb N. Matti, Fidelis Rutendo Mashiri, Adrian Saliba			
132	Analysis of the Materials Behaviour at High Strain-Rate in Support of Impact Resistant Structural Design Ezio Cadoni, Matteo Dotta, Daniele Forni			
27	In-situ Pushover Test of an Existing Two Storey RC Frame Designed for Gravity Loads Simone Peloso, Chiara Casarotti, Alberto Pavese, Filippo Dacarro, Giuseppe Sinopoli			
88	Shaking Table Test of a Four-Tower Tall Building Connected with an Isolated Sky-Corridor on the Top Xilin Lu			

S4.1	Application of Experimental results to Structural Design and Analysis - II Chair: Dr. Paolo Morandi, University of Pavia, Italy	Room 1	Sept. 7	11.30-13.00
Document #	Titles and Authors			
100	Experimental Investigation of Low Velocity Impact Behaviour of RC Two Way Slab Strengthening with CFRP Strips Tolga Yılmaz, Nevzat Kırac, Özgür Anil, Ceyda Sezer			
118	Masonry Infilling of RC Building Against Progressive Collapse in case of Loss of Column Nikos Stathas, Ioannis Karakasis, Elias Strepelias, Xenofontas Palios, Micheal Fardis, Stathis Bousias			
131	Experimental Evaluation of System Level Properties of Porcelain Post Insulators Based on a Large Set of Full-Scale High-Voltage Insulators Shakhzod Takhirov, Frank Blalock, Jerry Stewart			
127	Out-Of-Plane Stability Of Thin RC Walls: Comparison Of Boundary Element Tests To Wall Tests João Almeida, Angelica Rosso, Katrin Beyer			

S4.2	Hybrid Simulation and Other On-Line Testing Techniques - II Chair: Dr. Giuseppe Abbiati, ETH Zürich	Room 2	Sept. 7	11.30-13.00
Document #	Titles and Authors			
77	A General-Purpose Platform for Hybrid Simulation with Model Updating Kung-Juin Wang, Ming-Chieh Chuang, Chao-Hsien Li, Pu-Yuan Chin, Keh-Chyuan Tasi			
95	Carleton Multi-Hazard Research Facility: Infrastructure and Preliminary Hybrid Testing Joshua E. Woods, Sean Miller, Jeffrey Erochko, David T. Lau			
101	Hybrid Simulation using the Subfeed in Highly Complex and Non-Linear Numerical Models Uwe E. Dorka, Ferran Obón Santacana			

S5.1	Hybrid Simulation and Other On-Line Testing Techniques - III Chair: Prof. Uwe Dorka, University of Kassel	Room 2	Sept. 7	15.30-17.00
Document #	Titles and Authors			
89	Force-Displacement Hybrid Test of Engineering Structures with Multi-Degree-of-Freedom Testing Huimeng Zhou, Mengning Li, Tao Wang, Nigel A. Linden, Matthew Schroeder			
95	Hybrid Fire Testing via the Substructuring Method Manfred Korzen			
48	Real-Time Solution Scheme Of Numerical Substructure In Windows Environment Jin-Ting Wang, Li-Qiao Lu, Fei Zhu			
160	Hybrid Simulation Using Advanced General Purpose Finite Element Software Packages Shawn You, Shawn Gao, Andreas Schellenberg			

S5.2	Active and Passive Structural Control II Chair: Prof. Virginio Quaglino, Politecnico di Milano, Italy	Room 1	Sept. 7	15.30-17.00
Document #	Titles and Authors			
119	Full-scale Component Testing of Seismic Isolation Devices and Verification of Their Performance in Full-scale System Level Tests on a Shaking Table Shakhzod Takhirov, Eric Fujisaki, Leon Kempner, Michael Riley, Brian Low			
145	Study on Seismic Performance of Super Tall Building Structure with Viscous Damping Outriggers Based on Steady Frequency Excitation Method Cuiqiang Zhang, Jianyun Sun, Pengfei Shi			
220	A Method for Mixing Online and Offline Experimental Dynamic Substructuring Algorithms for Hybrid Simulations Giuseppe Abbiati, Vincenzo La Salandra, Oreste S. Bursi, Luca Caracoglia			
161	The Antiseismic Devices for the Padma Bridge and their Testing Procedure Agostino Marioni, Roberto Dalpedri, Marco Banfi			
91	Bi-Directional Pseudo-Dynamic Test of an Eight-Storey Buckling-Restrained Braced RC Frame Building Pengfei Shi, Zhaoran Wang, Zhen Wang, Bin Wu, Zhizeng Zhao, Qiyang Tan, Jianyun Sun, Peng Wang, Minghui Zhai			

S6.1	Modeling/Numerical Simulation in Predicting and Interpreting Experimental Results Chair: Prof. Alfredo Cigada, Politecnico di Milano, Italy	Room 1	Sept. 7	17.15-18.45
Document #	Titles and Authors			
8	Ductility Performance on Jetty Steel Piles Repaired by Steel Patch Plates Kazuo Furunishi, Yasuo Kitane, Yoshito Itoh			
47	Shake Table Control Method for Nonlinear Hysteretic Systems Ki P. Ryu, Andrei M. Reinhorn, Mettupalayam Sivaselvan			
72	Load Bearing Capacity Testing of Dowel Pin Anchorage in Granite Cladding Junru Tan, Baofeng Huang, Wensheng Lu, Khalid M. Mosalam			
200	Numerical Simulation of Ambient Vibration Tests: a Case Study Valeria Pepe, Alessandra De Angelis, Maria R. Pecce			
73	On The Orientation of Ground Motions and Their Scaling in Accordance with Code Provisions Esengul Cavdar, Gokhan Ozdemir			

S6.2	Application of Experimental results to Structural Design and Analysis - III Chair: Dr. Thierry Chaudat, CEA, Cedex	Room 2	Sept. 7	17.15-18.45
Document #	Titles and Authors			
30	Experimental Behavior of Wide-Flange Steel Braces with Reinforced Section Chui-Hsin Chen, Chao-Chen Sun, Pierre-Darry Versaillot			
62	Stability of Wide-Flange Steel Columns under Multi-Axis Cyclic Loading Ahmed Elkady, Dimitrios Lignos			
142	Shake Table Tests on Mobile Office Partitions Crescenzo Petrone, Gennaro Magliulo, Antonio Bonati, Gaetano Manfredi			
156	Challenges and Main Features on Quasi-static Cyclic Out-of-plane Tests of Full-scale Infill Masonry Walls António Arêde, André Furtado, José Melo, Hugo Rodrigues, Humberto Varum, Nuno Pinto			

S7.1	Hybrid Simulation and Other On-Line Testing Techniques - IV Chair: Prof. Jim Ricles, Lehigh University	Room 2	Sept. 8	9.45-11.15
Document #	Titles and Authors			
161	Hybrid Testing of Seismic Isolated Structures: Test Reliability and Scaling Issues Igor Lanese, Alberto Pavese, Giuseppe Abbiati, Oreste S. Bursi			
144	Collapse Assessment of Building Columns through Multi-Axis Hybrid Simulation Mohammad J. Hashemi, Hamidreza A. Yazdi, Riadh Al-Mahaidi, Emad Gad			
70	Multi-Element Pseudo-Dynamic Hybrid Simulation of Concentric Braced Frames Saeid Mojiri, Pedram Mortazavi, Oh-Sung Kwon, Constantin Christopoulos			
122	2DOF Decentralized Model Prediction Control Approach for Hybrid Simulation Ning Li, Bille F. Spencer Jr, Zhongxian Li			

S8.1	Application of Experimental results to Structural Design and Analysis - IV Chair: Prof. Guido Magenes, University of Pavia, Italy	Room 1	Sept. 8	11.30-13.00
Document #	Titles and Authors			
163	Shake-Table Test on a Half-Scale Stone Masonry Building Aggregate Including Retrofit Strategies Gabriele Guerrini, Ilaria E. Senaldi, Francesco Graziotti, Guido Magenes, Katrin Beyer, Andrea Penna			
74	In-Plane Behavior of Sandwich Roof Panels Ahmet Güllü, Amirmahdi Mohammadi Saghayesh, Ercan Yüksel			
75	Shake Table Tests of a Special Raised Floor System Yavuz Durgun, Ahmet Güllü, Tansu Gökçe, Ercan Yüksel			
109	Blind Prediction of a Three-Storey RC Frame Building with Masonry Infill Walls Alexander Kagermanov, Paola Ceresa			

S8.2	Design of new facilities, testing procedures Chair: Prof. Lu Wensheng, Tongji University, China	Room 2	Sept. 8	11.30-13.00
Document #	Titles and Authors			
13	Georgia Institute of Technology Laboratory for Blast, Shock and Impact Lauren K. Stewart , Nan Gao, Genevieve Pezzola, Marc Sanborn, Kathryn Sanborn, Alix Nail, Giovanni Loreto			
18	A new large scale laboratory: the LEDA Research Centre (Laboratory of Earthquake engineering and Dynamic Analysis) Marinella Fossetti , Francesco Lo Iacono, Giovanni Minafò, Giacomo Navarra, Giovanni Tesoriere			
71	An Overview of the University of Toronto Simulation (UT-SIM) Framework and its Application to the Performance Assessment of Structures Pedram Mortazavi , Xu Huang, Oh-Sung Kwon, Constantin Christopoulos			
103	Seismic Protection Devices: Design and Performance of a New Dynamic Test Facility Samuele Infanti , Silvio De Toni, Aikaterina E. Pigouni			
123	Overview of QuakeCore Technology Platform 1: The NZ Laboratories network Alessandro Palermo , Tim Sullivan, Anne Mackenzie, Ken Elwood, Richard Henry, Felix Scheibmair			



