

Sunday, June 26				
17.00-18.30	CONFERENCE REGISTRATION at the University Botanical Garden			
17.30-18.30	Free guided tour (1 hour) to the University Botanical Garden - only after registration			
18.30-22.00	WELCOME COCKTAIL at the University Botanical Garden			
Monday, June 27				
8.00-9.00	Registration at Centro Culturale San Gaetano			
9.00-9.30	OPENING CEREMONY at Centro Culturale San Gaetano - Room H (Auditorium)			
9.30-10.15	<b>T1 Keynote Lecture (Room H - Auditorium):</b> <b>"Some considerations on testing and experimental simulation of seismic behavior of masonry walls and buildings"</b> <b>Prof. MIHA TOMAŽEVIČ (Slovenian National Building and Civil Engineering Institute, Slovenia)</b>			
	<b>Room H (Auditorium)</b>	<b>Room A</b>	<b>Room B</b>	<b>Room C</b>
	<b>T14 - MASONRY REPAIR &amp; STRENGTHENING 1</b> Chairs: M. Masia, & A. Marini	<b>T13 - MASONRY MATERIALS &amp; TESTINGS: LABORATORY TESTS 1</b> Chairs: W. Jäger, & L. Pelà	<b>T17 - SEISMIC PERFORMANCE &amp; VULNERABILITY ASSESSMENT 1</b> Chairs: N.G. Shrive, & L. Sorrentino	<b>T2 - ANALYSIS OF MASONRY STRUCTURES 1</b> Chairs: A.T. Vermeltfoort, & C. Casapulla
10.15-10.30	0413_2 - The effect of different strengthening systems on the cracking of spandrel walls made of calcium silicate units L. Drobiec	0217_1 - Experimental investigation of dry joint surface and closure characteristics of interlocking blocks under compression T. Zahra, Z. Yin, & M. Dhanasekar	0151_1 - Proposed multivariate predictive approach of masonry wall seismic performance A. Siam, W. Hussein, & W.W. El-Dakhkhani	0021_1 - Analysis of reinforced masonry structures: Equivalent frame approach with FBE element M. Peruch, E. Spacone, & P. B. Shing
10.30-10.45	0117-1 - Core fill materials for the in-plane strengthening of concrete block shear walls R.T. Harris, & S.L. Lissel	0060_1 - Friction on mortar-less joints in semi interlocking masonry M.A. Hossain, Y.Z. Totoev, & M.J. Masia	0279_2 - Seismic vulnerability analysis for masonry hospital structures: Expeditious and detailed methods A. Ciavattone, A. Vignoli, & H. G. Matthies	0175_1 - Comparison of equivalent beam models and refined approaches for the modelling of masonry portal frames C. Mordant, H. Degée, & B. Vandoren
10.45-11.00	0182_1 - Compression behaviour of structural clay block prisms with different shell and web thickness C.Z. Valdameri, L.F. Coelho, K.M. Junior, M. Utzig, & H.R. Roman	0079_2 - Shear strength of concrete block beams: Assessment of international codes and influence of shear span and longitudinal reinforcement R.D. Pasquantonio, G.A. Parsckian, P.R.N. Soudais, & J.S. Camacho	0163_1 - Study of compressive strength of historical masonry structures for reliability assessment S. Seyedain Boroujeni, & N.G. Shrive	0064_1 - Modelling the mechanical behaviour of vegetable fibre reinforced concrete blocks M.A. Ramalho, & A. Taliervo
11.00-11.30	Coffee Break			
	<b>T3 - BOND OF COMPOSITES TO MASONRY 1 (special session)</b> Chairs: D.V. Oliveira, & C. Carloni	<b>T13 - MASONRY MATERIALS &amp; TESTINGS: COMPRESSIVE STRENGTH</b> Chairs: R. van der Pluijm, & L. Sorrentino	<b>T17 - SEISMIC PERFORMANCE &amp; VULNERABILITY ASSESSMENT 2</b> Chairs: D.P. Abrams, & J. Ingham	<b>T2 - ANALYSIS OF MASONRY STRUCTURES 2</b> Chairs: G.A. Parsekian, & B. Vandoren
11.30-11.45	0058_1 - Durability of FRP-strengthened masonry bricks under hygrothermal conditions H. Maljaee, B. Ghiassi, P.B. Lourenço, & D.V. Oliveira	0027_1 - The influence of block geometry on the compressive strength of clay masonry F.S. Fonseca, E. Rizzatti, G. Mohamed, H.R. Ramos, & G. Lindner	0389_1 - Seismic retrofit system for single leaf masonry buildings in Groningen Ö.S. Türkmén, A.T. Vermeltfoort, & D.R.W. Martens	0079_1 - Quasi-static cyclic testing of partially grouted masonry walls with openings - Preliminary results E.S. Fortes, M.R. Silva, G.A. Parsekian, F.S. Fonseca, & N.G. Shrive
11.45-12.00	0184_2 - On site composites-to-masonry bond evaluation in presence of rising damp and salt crystallization G. Cardani, L. Binda, M.R. Valluzzi, P. Girardello, M. Panizza, E. Garbin, & P. Casadei	0372_1 - Comparison of compressive strength of concrete block masonry prisms and solid concrete prisms S. Rizaee, M. Hagel, P. Kaheh, & N. Shrive	0187_1 - Seismic demand, deformability and damage of masonry buildings D.P. Abrams	0077_1 - Simulating masonry failure using continuous and discontinuous damage models B. Vandoren
12.00-12.15	0212_1 - Study on local effects of aggressive environmental conditions on masonry strengthened with FRCM C. Tedeschi, S. Perego, & M.R. Valluzzi	0210_1 - Estimation of unreinforced tuff masonry compressive strength based on mortar and unit mechanical parameters A. Marotta, D. Liberatore, & L. Sorrentino	0370_2 - Damage detection of an unreinforced stone masonry two storeys building based on damping estimate L.A. Kouris, A. Penna, & G. Magenes	0144_1 - Finite element analysis of unreinforced masonry walls with openings under lateral loads Y.J. Hou, X.L. Gu, & X. Li
12.15-12.30	0112_1 - On the mechanical behaviour of anchored CFRP-to-masonry reinforcements M. Fagone, & G. Ranocchiai	0098_1 - A comparative study of the compression behaviour of thin layer mortared and conventional masonry J.A. Thamboo, & M. Dhanasekar	0333_1 - Dynamic deformability evaluated by series of shaking table tests of full-scale models of masonry houses T. Hanazato, Y. Seno, Y. Niitsu, H. Imai, T. Narafu, T. Mikoshiba, C. Minowa	0154_1 - Effect of pier-spandrel geometry on the in-plane response of masonry structures S. Saloustros, L. Pelà, M. Cervera, P. Roca, & D. D'Ayala
12.30-12.45	0267_1 - Influence of mortar coating type on the shear resistance of a GFRP based strengthening technique for brick masonry walls N. Gattesco, & I. Boem	0413_1 - The influence of the type of mortar on the compressive behaviour of walls made of Autoclaved Aerated Concrete (AAC) L. Drobiec, R. Jasiński, & T. Rybaczek	0052_1 - Experimental research on the seismic behaviour of contemporary masonry chimney systems V. Bosiljkov, D. Antolinc, G. Steinecker, & S. Plaskan	0196_1 - Nonlinear macroelement modelling of experimental tests on masonry buildings with rigid diaphragms M. Mandirola, A. Galasco, A. Penna, & G. Magenes
12.45-13.00	0328_1 - Experimental characterization of mortar-based reinforcements with carbon fabrics S. De Santis, F. Roscini, & G. de Felice	0208_1 - Compressive strength behaviour of hollow clay block prisms filled with bed joint mortar M.R. Nascimento, I.R. Gomes, & H.R. Roman	0189_1 - Shake table testing of retrofitted clay brick masonry chimneys D. Dizhur, M. Giaretton, & J. Ingham	0224_2 - Rocking resonance of a rigid free standing block C. Casapulla
13.00-13.15		0168_2 - Compressive behavior of hollow block masonry prism plastered with steel fiber reinforced mortar with microsilica and nanosilica M. Alshugaa, M.K. Rahman, M.H. Baluch, M. Al-Osta, & A. Sadoon	0202_1 - A masonry infill wall model with in-plane / out-of-plane interaction applied to pushover analysis of RC frames F. Longo, G. Granello, G. Tecchio, F. da Porto, & C. Modena	0231_1 - Finite element modelling of a hybrid unreinforced masonry-reinforced concrete wall F. Frederickx, B. Vandoren, & H. Degée
13.15-14.15	Lunch			
14.15-15.00	<b>T1 Keynote Lecture (Room H - Auditorium):</b> <b>"Modern and ancient masonry: Nature and role of the binder"</b> <b>Prof. GILBERTO ARTIOLI (University of Padova, Italy)</b>			
	<b>T14 - MASONRY REPAIR &amp; STRENGTHENING 2</b> Chairs: J. Kubica, & E. Garbin	<b>T13 - MASONRY MATERIALS &amp; TESTINGS: LABORATORY TESTS 2</b> Chairs: M. Dhanasekar, & H.R. Roman	<b>T17 - SEISMIC PERFORMANCE &amp; VULNERABILITY ASSESSMENT 3: RECENT EARTHQUAKES</b> Chairs: D. Biggs, & M. Gams	<b>T7 - CONSERVATION OF HISTORIC BUILDINGS 1</b> Chairs: M.L. Corradi, & G. Vasconcelos
15.00-15.15	0213_1 - The strengthening of masonry structures through the combined use of the joint resealing and fabric reinforced cementitious matrix systems: The case study of the Abbazia di San Paolo Fuori le Mura in Rome A. Trimboli, G. Mantegazza, M. Tommasini, & E. Cerasi	0158_1 - Characterisation of historical fired clay bricks with small angle neutron scattering A. Viani, K. Sotiriadis, P. Šásek, R. Ševčík, & A. Len	0189_2 - Performance of unreinforced masonry and infilled RC buildings during the 2015 Gorkha, Nepal earthquake sequence D. Dizhur, M. Griffith, D. Biggs, A. Schultz, & J. Ingham	0022_1 - The preservation problems of masonry houses in Baspinar rural settlement H. Yıldız
15.15-15.30	0092_2 - Use of superficial reinforcement for reducing the seismic vulnerability of unreinforced masonry houses in Peru D. Torrealva, & A. Alza	0002_2 - Compression and shear properties of masonry cut from walls, three to ninety-five years old, compared with laboratory made masonry A.T. Vermeltfoort, & D.R.W. Martens	0089_2 - The infilled RC structures performance in the 25th April, 2015 Gorkha Nepal earthquake: Observations and dynamic characterization tests H. Varum, N. Vila-Pouca, A. Furtado, J. Oliveira, A. Arêde, & H. Rodrigues	0219_2 - The uniqueness of the Salt Warehouse in Mantua: Analysis of the structure complexity from the Roman Wall to present A. Saisi, S. Terenzoni, & L. Valsasini
15.30-15.45	0055_1 - Influence of eco-friendly ductile cementitious composites (EDCC) on in-plane behaviour of hollow concrete masonry walls P. Kaheh, N. Shrive, S. Soleimani-Dashtaki, & N. Banthia	0306_1 - Mechanical characteristics of traditional type bricks used in repair interventions of byzantine monuments I. Papayianni, & M. Stefanidou	0192_1 - Damage and vulnerability assessment of URM buildings after the 2012 Northern Italy earthquakes S. Tafarel, M. Giaretton, F. da Porto, & C. Modena	0234_1 - Origin and transformation of the Portico Lungo in Carpi analysing the brickwork façade C. Di Biase, L. Balboni, & P. Corradini
15.45-16.00	0056_1 - Effects of eco-friendly ductile cementitious composites (EDCC) on dynamic characteristics of hollow concrete masonry walls P. Kaheh, & N. Shrive	0404_1 - Experimental study of the effect of interfacial gaps on the in-plane behaviour of masonry infilled RC frames E. Nasiri, & Y. Liu	0115_1 - Structural assessment of existing buildings subjected to induced earthquakes in the Netherlands A. van den Bos, & A. Garofano	0078_1 - The brick masonry of Pietrasanta bell tower in Naples. Knowledge and conservation of an iconic medieval building R. Picone, & S. Borea
16.00-16.30	Coffee Break			
	<b>T3 - BOND OF COMPOSITES TO MASONRY 2 (special session)</b> Chairs: D.V. Oliveira, & C. Carloni	<b>T13 - MASONRY MATERIALS &amp; TESTINGS: LABORATORY TESTS 3</b> Chairs: C. Baltimore, & S.L. Lissel	<b>T6 - CODES &amp; STANDARDS</b> Chairs: W. Jäger, & B. Haseltine	<b>T7 - CONSERVATION OF HISTORIC BUILDINGS 2</b> Chairs: D. Torrealva, & A. Saisi
16.30-16.45	0381_1 - A study of the debonding mechanism in steel and basalt FRCM-masonry joints M. Santandrea, I. A. O. Imohamed, C. Carloni, C. Mazzotti, S. De Miranda, & F. Ubertini	0035_1 - Freeze-thaw durability of cement-lime-sand mortars A.S. Smith	0098_2 - Adoption and implementation of Eurocode 6 in Sri Lanka context J.A. Thamboo	0106_1 - Experimental studies of brick masonry in the Auschwitz II - Birkenau former death camp buildings P. Matyssek, T. Strzyszewska, & S. Kaňka
16.45-17.00	0025_1 - Bond behaviour between textile and mortar for masonry strengthening D. Saenger, & W. Brameshuber	0017_1 - Sustainable self-consolidating grout C. Baltimore, J. Mwangi, & K. Siggard	0127_1 - Practical design of masonry subjected to horizontal loads based on Eurocode 6 shear model A. Jäger, & M. Gams	0269_1 - Seismic vulnerability of "ancient" masonry buildings and strengthening intervention strategies B. Calderoni, A. Prota, E.A. Cordasco, & A. Sandoli
17.00-17.15	0309_2 - Long-term environmental effects on FRP-masonry bond W. Lucas, P. Visintin, & M.C. Griffith	0118_1 - Microstructural characterization of phases and interfaces of portland cement mortar M.F.O. Barreto, & P.R.G. Brandão	0203_1 - Next generation of Eurocode 8, masonry chapter S. Lu, K. Beyer, V. Bosiljkov, C. Butenweg, D. D'Ayala, H. Degée, M. Gams, J. Klouda, S. Lagomarsino, A. Penna, N. Moisić, F. da Porto, L. Sorrentino, & F. Vintzileou	0232_2 - Knowledge-based data warehouse of interventions for the protection of masonry historical heritage M.R. Valluzzi, F. da Porto, G. Giacometti, F. Lorenzoni, & C. Modena
17.15-17.30	0271_1 - Testing of bond solutions for UHTS steel strand composites applied to extruded bricks E. Garbin, M. Panizza, A. Kwiecień, B. Zajac, F. Nardon, & M.R. Valluzzi	0118_2 - Nanostructural characterization of phases and interfaces of portland cement mortar M.F.O. Barreto, & P.R.G. Brandão	0096_1 - The role of a systematic analysis of building codes to support an assessment methodology for built heritage C. Ornelas, J. Guedes, & I. Breda-Vázquez	0362_1 - Use of polymer grid for structural reinforcement in a brick masonry church in Peru D. Torrealva, & W. Torres
17.30-17.45	0032_2 - Bond characteristics of fibre reinforced mortar in masonry using image analysis D. Alterman, A. W. Page, & J. Kubica	0210_2 - Statistical tests for the goodness of fit of mortar compressive strength distributions L. Sorrentino, P. Infantino, & D. Liberatore	0291_2 - Empirical estimation of the load bearing capacity of masonry under buckling - Critical remarks and a proposal for a new approach T. Bakeer, & W. Jäger	0429_1 - Gaudi's La Pedrera, sustainable masonry building from the beginning of the 20th century C. Salas, C. Bedoya, & J. Adell
17.45-18.00	0012_1 - In situ pull-out tests of steel and GFRP injected anchors in masonry walls F. Ceroni, R. Cuzzilla, & M. Pecce	0035_2 - Development of a masonry mortar freeze-thaw laboratory test method and the performance of CEM II mortar masonry panels A.S. Smith, & G.J. Edgell	0086_1 - Analysis of nationally determined parameters of EN 1996-1-1 C.A. Graubner, & B. Koob	0137_2 - The untold story of the masonry industry in the United States J.G. Tawresy
18.00-18.15				0331_1 - The improvement of spandrels in existing masonry buildings in order to avoid brittle failure: Experimental campaign on reinforced specimens B. Calderoni, E.A. Cordasco, & G. Pacella
18.45-20.00	PRE-DINNER COCKTAIL at Café Pedrocchi			

Tuesday, June 28				
Registration at Centro Culturale San Gaetano				
T1 Keynote Lecture (Room H - Auditorium): "Green building programs in the USA and sustainable design strategies utilizing masonry" Ms. CHRISTINE SUBASIC (LEED A.P., USA)				
Room H (Auditorium) T14 - MASONRY REPAIR & STRENGTHENING 3: ANCHORS Chairs: J. Ingham, & A. Taliercio		Room A T13 - MASONRY MATERIALS & TESTINGS: OUT-OF-PLANE BEHAVIOUR Chairs: A. Penna, & H.R. Roman	Room B T17 - SEISMIC PERFORMANCE & VULNERABILITY ASSESSMENT 4 Chairs: R.G. Drysdale, & D.P. Abrams	Room C T9 - ECO-MATERIALS & SUSTAINABILITY Chairs: C. Subasic, & A. Ohler
8.30-9.00				
9.00-9.45				
9.45-10.00	0122_2 - Effect of transversal steel connectors on the behavior of rubble stone-masonry walls: Two case studies in Italy M. Candela, A. Borri, M. Corradi, & L. Righetti	0063_1 - Loadbearing capacity of masonry walls under predominant bending due to wind loads C.A. Graubner, & M. Schmitt	0264_1 - Seismic vulnerability assessment of corner buildings in the historical centre of Timisoara C. Valotto, S. Taffarel, C. Marson, M. Munari, F. da Porto, & C. Modena	0289_1 - Energy efficiency and thermal characterization of eco-friendly wood fibre masonry blocks A. Ghani, Z. Aljaberi, M.A. ElGawady, & J.J. Myers
10.00-10.15	0186_1 - Pull out testing of self-screwing retrofit wall to diaphragm anchorage system N. Ismail, & H. El-Hassan	0147_1 - Effect of static and kinematic boundary conditions on the out-of-plane response of brick masonry walls K. Beyer, & F. Lucca	0354_1 - Probabilistic seismic response analysis of existing masonry structures M. Vallati, G. Monti, M. J. Khazna, R. Realfonzo, & M. De Iullis	0355_1 - Innovative mix design with bio-natural aggregates for precast vibro compressed units M. Sassu, L. Giresini, E. Bonamini, & R. Cecconi
10.15-10.30	0095_1 - Influence of the water absorption on the performance of supplementary injection anchors inside masonry B. Gigla	0171_1 - Effects of in-plane loading on the out-of-plane stability of slender reinforced concrete masonry shear walls B.R. Robazza, T.Y. Yang, K.J. Elwood, D.L. Anderson, S. Brzev, & B. McEwen	0316_1 - Seismic vulnerability assessment on a territorial scale based on a Bayesian approach S. Taffarel, G. P. Camprostri, L. Rosato, F. da Porto, & C. Modena	0289_2 - Ability to resist different weathering actions of eco-friendly wood fibre masonry blocks Z. Aljaberi, A. Ghani, J.J. Myers, & M.A. ElGawady
10.30-10.45	0166_1 - Retrofitting URM cavity walls for out-of-plane composite behaviour M. Giarretton, K. Walsh, D. Dizhur, F. da Porto, & J. Ingham	0177_1 - Out-of-plane shaking table tests on URM cavity walls U. Tomassetti, F. Graziotti, A. Penna, & G. Magenes	0377_1 - Assessment of seismic behaviour of masonry minarets by discrete element method Ö. Saygılı, & E. Çaktı	0036_1 - Resource efficiency by demountable slab construction using masonry units S. Ortlepp, R. Masou, W. Jäger, & R. Ortlepp
10.45-11.00	0034_1 - Experimental in-plane cyclic response of unreinforced masonry walls versus strengthened walls using jacketing M. Hrasnica, N. Ademović, S. Medić, & F. Biberkić	0219_1 - Prompt structural assessment of historic towers C. Gentile, & A. Saisi	0051_1 - The earthquake performance of stone-masonry basilica churches in Kefalonia-Greece including wall detachment and soil-foundation deformability G.C. Manos, E. Kozikopoulos, L. Kotoulas, & O. Felekidou	0204_1 - Characterization and blowing application tests of a new geopolymer loose-fill material for the insulation of cavity walls A. Smits, D. Nicaise, F. De Barquin, K. Hariri, & J. Bosnjak
11.00-11.30	Coffee Break / Poster Session 1			
T8 - EARTHEN MASONRY (special session) Chairs: D. Torrealva, & F. Matta		T13 - MASONRY MATERIALS & TESTINGS: SHEAR CAPACITY 1 Chairs: A.W. Page, & C. Mazzotti	T5 - CASE STUDIES Chairs: G.J. Edgell, & M.R.S. Correa	T4 - BUILDING PHYSICS & DURABILITY 1 Chairs: E. Garavaglia, & W. Bramshuber
11.30-11.45	0206_1 - Mechanical performance of compressed earth block masonry using granitic residual soils D.V. Oliveira, T.F. Miranda, L.F. Ramos, R.A. Silva, E. Soares, & D. Leirão	0061_1 - Experimental testing of unreinforced masonry walls with openings subject to cyclic in-plane shear C. Allen, M.J. Masia, A.W. Page, M.C. Griffith, H. Derakhshan, & N. Mojsilovic	0226_1 - The identification of horizontal wooden beams in the walls of historic buildings in Safed: First stages in research Y. Schaffer, A. Levi, M. Ronen, & A. Hillman	0106_2 - Influence of nitrates salts on chosen properties of brick T. Strzyżewska (P. Matyssek)
11.45-12.00	0092_1 - Static and dynamic testing for validating the polymer grid as external reinforcement in earthen buildings D. Torrealva	0074_1 - Seismic behaviour of multistorey plain masonry shear walls with openings: An experimental study P. Triller, M. Tomažević, & M. Gams	0028_1 - Post-tensioned concrete masonry roof planks: A case study D. Biggs	0262_1 - Influence of the salt crystallization in the durability of granites used in vernacular masonry buildings M.L. Martins, G. Vasconcelos, P.B. Lourenço, & C. Palha
12.00-12.15	0132_1 - Recycled-plastic reinforced earthen masonry prototype for tornado-resistant dwellings M.C. Cuéllar-Azcárate, & F. Matta	0085_1 - In-situ diagonal compression and shear-compression destructive tests on masonry panels from rural buildings in Emilia Romagna region F. Ferretti, C. Mazzotti, A. Tilocca, & B. Ferracuti	0331_2 - Critical issues in the assessment of seismic vulnerability of historical masonry buildings: A study case B. Calderoni, E.A. Cordasco, G. Pacella, & V. Onofri	0205_1 - Probabilistic modelling of the damage induced by salt crystallization in fiber reinforced clay brick masonry E. Garavaglia, C. Tedeschi, S. Perego, & M.R. Valluzzi
12.15-12.30	0173_1 - Mechanical testing in adobe bricks and earthen mortar from the archaeological complex of Huaca de la Luna in Perú R. Aguilar, M. Montesinos, E. Ramirez, S. Uceda, & R. Morales	0103_2 - The evaluation of masonry shear strength by means of different experimental techniques: A comparison between full-scale and laboratory tests A. Incerri, V. Rinaldini, & C. Mazzotti	0218_1 - Military masonry structures characteristics of the XVI century coastal watchtowers of the Pontifical States R. Cacciotti, & J. Kunečý	0020_1 - Corrosion of bed joint reinforcement in faced-leaf brick walls – Field survey M. Molnár, & O. Larsson
12.30-12.45	0325_1 - Calibration of partial safety factors for earth block masonry under compression loading P. Müller, L. Miccoli, P. Fontana, & C. Ziegert	0179_1 - Test set-up and proposed testing procedure for the determination of masonry walls under in-plane shear loadings D.C. Schermer	0073_1 - A 20 story high masonry building in Brazil - Design problems and adopted strategies M.R.S. Correa	0288_1 - Methodology for the detection and quantification of the moisture content in ceramic masonry structures L. Domenech, G. Cetrangolo, G. Moltini, & A. Morquio
12.45-13.00	0358_1 - Modern earth construction techniques - An overview D. Maskell, B.V.V. Reddy, P. Walker, & A. Heath	0380_1 - Effect of vertical stresses on lateral in-plane response of brick masonry walls H.U. Sajid, M. Ashraf, S.H. Sajid, S. Saed, & I. Azim	0300_1 - Bim schema for masonry units and walls T.R. Gentry, S. Sharif, A. Cavieres, & D. Biggs	0023_1 - Influence of the suction behaviour of calcium silicate units on the properties of masonry under compressive load M. Graubohm, & W. Bramshuber
13.00-13.15	0422_1 - Adobe in Sardinia. Static and dynamic behaviour of the earthen material and of adobe constructions D. Asprone, F. Parisi, A. Prota, L. Fenu, & V. Colasanti	0125_2 - In-plane test campaign on different load-bearing URM typologies with thin shell and web clay units P. Morandi, L. Albanesi, & G. Magenes		0054_1 - Long term monitoring of water content in a brick masonry wall using a dielectric probe P.K. Larsen
13.15-14.15	Lunch			
T12 - INSYSME PROJECT 1 (special session) Chairs: G. Magenes, & E. Vintzileou		T13 - MASONRY MATERIALS & TESTINGS: SHEAR CAPACITY 2 Chairs: N. Mojsilovic, & V. Bosiljkov	T11 - MASONRY BRIDGES - ARCHES & VAULTS Chairs: P.B. Lourenço, & G.P. Lignola	T4 - BUILDING PHYSICS & DURABILITY 2 Chairs: A.W. Page, & G. Cardani
14.15-14.30	0090_1 - The INSYSME Project: Innovative construction systems for earthquake resistant masonry infill walls F. da Porto, N. Verlato, G. Guidi, & C. Modena	0009_1 - Analysis of behaviour of cyclic loaded clay block walls using the FEM model J.K. Klouda	0095_2 - Small scale tests to verify the admissible spreading of the support of an arched masonry construction for a historic bridge intervention B. Gigla, & T. Janßen	0070_1 - Creating comfortable conditions in buildings G.J. Edgell
14.30-14.45	0125_1 - Innovative seismic solution for clay masonry infills with sliding joints: Principles and details P. Morandi, R. R. Milanesi, & G. Magenes	0052_2 - Probabilistically based model error for the assessment of in-plane lateral resistance of unreinforced masonry blockwork P. Cotić, M. Kržan, & V. Bosiljkov	0227_1 - Influence of environmental degradation on dynamic properties of masonry bridges A. Benedetti, J. Nichols, & A. Tomor	0080_1 - How to recognize the impact of masonry components on housing thermal performance D. Alterman, A.W. Page, C. Zhang, & B. Moghtaderi
14.45-15.00	0088_1 - Innovative seismic solution for clay masonry infills with sliding joints: Experimental tests R.R. Milanesi, P. Morandi, & G. Magenes	0321_1 - Reliability analysis of methods for utilization of partial factors in flexural failure mode of masonry shear walls H. Salehi, M. Montazerolghaem, & W. Jäger	0232_1 - Operating conditions of an ancient roman bridge: Inspections and vibration analysis M. Caldon, F. Lorenzoni, C. Modena, R. Deiana, & M.R. Valluzzi	0066_2 - Experimental investigation of thermal insulation properties of Semi Interlocking Masonry (SIM) Walls Y. Totoev, R. Forghani, S. Kanjanabootra, & D. Alterman
15.00-15.15	0326_2 - Innovative systems for masonry infill walls based on the use of deformable joints: Combined in-plane / out-of-plane tests N. Verlato, G. Guidi, F. da Porto, & C. Modena	0124_1 - Seismic behaviour of URM walls: Analysis of a database M. Gams, P. Triller, M. Lutman, & J. Snoj	0273_1 - Experimental and numerical modal analysis of a historical masonry bridge L. Dezi, F. Gara, D. Roia, & G. Leoni	0080_2 - The importance of internal thermal mass to the thermal performance of housing D. Alterman, A.W. Page, C. Zhang, & B. Moghtaderi
15.15-15.30	0090_2 - Innovative systems for masonry infill walls based on the use of rubber joints: Finite element modelling and comparison with in-plane tests A. Calabria, G. Guidi, F. da Porto, & C. Modena	0177_2 - Experimental characterisation of calcium-silicate brick masonry for seismic assessment F. Graziotti, A. Rossi, M. Mandirola, A. Penna, & G. Magenes	0308_1 - Modeling unknown variables and degradation effects in the assessment of stone arch bridges C. Citro, & D.B. Woodham	0104_1 - Retrofitting vapor permeable insulation to traditional brick and stone masonry walls, observations from 15 in situ trials M. Jenkins
15.30-15.45	0258_1 - Experimental evaluation of a constructive system for earthquake resisting masonry enclosure walls L. Silva, G. Vasconcelos, P. Lourenço, & F. Akhroudi	0327_2 - In-plane behaviour of a masonry stone wall with hexagonal blocks D. Foti, S. Ivorra, & V. Vacca	0286_1 - Experimental and numerical analyses of a masonry arch under base impulse excitation A. Gaetani, G. Monti, M. Moroni, & P.B. Lourenço	0126_1 - Investigation of the temporal development of carbonation mechanisms of autoclaved aerated concrete B. Winkels, & W. Bramshuber
15.45-16.00	0109_1 - Numerical investigation of masonry infilled R.C. frames T. Kubalski, M. Marinković, & C. Butenweg	0081_1 - Effective stiffness of unreinforced brick masonry walls B. Wilding, & K. Beyer	0315_1 - 3D Limit Analysis of Roman groin vaults C. Baggio, & P. Trovalusci	
16.00-16.30	Coffee Break / Poster Session 1			
T12 - INSYSME PROJECT 2 (special session) Chairs: G. Magenes, & E. Vintzileou		T13 - MASONRY MATERIALS & TESTINGS: SHEAR CAPACITY 3 Chairs: M. Tomažević, & P. Morandi	T11 - ARCHES & VAULTS Chairs: M.C. Griffith, & M.L. Corradi	T9 - ECO-MATERIALS & SUSTAINABILITY / T8 - EARTHEN CONSTRUCTIONS Chairs: J.J. Myers, & R. Aguilar
16.30-16.45	0176_1 - In-plane and out-of-plane response of a masonry infill divided into smaller wallettes E. Vintzileou, C.E. Adami, & V. Palieraki	0091_1 - Unreinforced clay brick masonry wallettes sheared perpendicular or parallel to bed joints - A comparative study J. Kubica	0110_1 - Structural analysis of a large stone dome in Granada (Spain) J. Suárez, & C. Madero	0082_1 - Quality factors for the evaluation of sustainable redevelopment of masonry buildings A. Ohler
16.45-17.00	0176_2 - Numerical analysis of the out-of-plane response of two new systems for masonry infills A. Drougkas, C.E. Adami, E. Vintzileou, & V. Palieraki	0175_2 - Seismic behaviour of L- and T-shaped unreinforced masonry shear walls C. Mordant, V. Denoel, & H. Degée	0184_1 - The analysis of the main spire reversed arches of the Cathedral of Milan D. Coronelli, G. Cardani, & G. Angeliu	0032_1 - Masonry in Australia - Meeting the challenges of the 21 <sup>st</sup> century A.W. Page, & E. McIntyre
17.00-17.15	0237_1 - Numerical analysis of a masonry infill (divided into smaller wallettes) under in-plane cyclic loading A. Drougkas, C.E. Adami, E. Vintzileou, & V. Palieraki	0168_1 - Behavior of masonry wall with steel-fiber reinforced mortar for joints and plaster A. Sadoon, M.K. Rahman, M.H. Baluch, M. Al-Osta, & M. Alshugaa	0280_1 - Simplified model for collapse analysis of masonry barrel vaults G. Ramaglia, G.P. Lignola, & A. Prota	0223_1 - Developments in construction details using masonry in the UK C. Fudge
17.15-17.30	0146_1 - Behaviour of masonry infills subjected to out of plane seismic actions. Part 1: Theoretical analysis M. Moşoarcă, C. Petruş, V. Stoian, & A. Anastasiadis	0091_2 - Superficial strengthening of AAC block masonry using GFRP strips - Diagonal compression tests of small wallettes J. Kubica, & I. Galman	0064_2 - Fiber-reinforcement of masonry arches and barrel vaults through topology optimization M. Bruggi, & A. Taliercio	0094_1 - How modularity, block size and thin layer mortar can lead to higher productivity and sustainable constructions O. Arce, H. Vekemans, & F. de Bever
17.30-17.45	0146_2 - Behaviour of masonry infills subjected to out of plane seismic actions. Part 2: Experimental testing M. Moşoarcă, C. Petruş, V. Stoian, & A. Anastasiadis	0024_1 - Shear tests on monolithic external clay unit masonry walls with reduced support length T. Kranzler	0130_1 - Plywood extrados retaining structures for the retrofit of single-leaf vaults A. Marini, E. Giuriani, A. Belleri, M. Preti, & L. Ferrario	0112_2 - Bonding capacity of jute fabric reinforcements of earthen structural elements. An experimental analysis F. Loccarini, M. Fagone, G. Ranocchiai, J.A. Garcia Manrique, & J.R. Ruiz Checa
17.45-18.00	0135_1 - Flexural strength of vertically perforated thermal insulating clay unit masonry E. Fehling, M. Ismail, U. Meyer, & S. Samaan	0026_1 - Static-cyclic tests on I-shaped masonry wallettes with soft-layer bed joint M. Petrović, B. Stojadinović, & N. Mojsilović	0068_1 - "Reinforced Arch Method" in the consolidation of masonry arches and vaults: Experimental results L. Jurina (E. Radaelli)	0173_2 - Geomatics' procedures and dynamic identification for the structural survey of the church of 'San Juan Bautista de Huaro' in Perú R. Aguilar, M.F. Noel, C. Briceno, D. Arce, B. Castañeda, & L.F. Ramos
18.00-18.15		0376_1 - Research on the full range stress-strain curve of autoclaved aerated concrete block masonry S. Qin, X. Yang, J. Lu, & T. Pi	0324_1 - Effects of FRP-strengthening on thrusts of arches and vaulted masonry structures A. La Tegola, & W. Mera	0248_2 - Assessment of the seismic vulnerability of traditional Bhutanese buildings T. Ilharco, A.A. Costa, J.M. Guedes, B. Quelhas da Silva, V. Lopes, J.L. Vasconcelos, & G. Vasconcelos
19.00-24.00	GALA DINNER at Tenuta Frassanelle			

Wednesday, June 29					
Registration at Centro Culturale San Gaetano					
T1 Keynote Lecture (Room H - Auditorium): "Multi-Scale analysis of masonry structures based on discrete element method" Prof. XIANGLIN GU (Tongji University, China)					
Room H (Auditorium)	Room A	Room B	Room C		
T16 - REINFORCED & CONFINED MASONRY 1 Chairs: J. Kubica, & B. Ferracuti	T13 - MASONRY MATERIALS & TESTINGS: FLEXURAL STRENGTH Chairs: M. Masia, & X.L. Gu	T15 - NEW CONSTRUCTION TECHNIQUES Chairs: C.A. Graubner, & F.S. Fonseca	T2 - ANALYSIS OF MASONRY STRUCTURES 3 Chairs: M.C. Griffith, & D. Ferretti		
8.30-9.00					
9.00-9.45					
9.45-10.00	0207_1 - Reconstruction of a rural building damaged by 2012 Emilia earthquake using tall reinforced masonry walls designed accounting for p-δ effects F. Mosele, L. Barbieri, & F. Botti	0050_1 - Flexural strength of stack bonded masonry in one way horizontal bending: Influence of bed joint reinforcement M. Masia, G. Simundic, & A. Page	0027_2 - The influence of a thin mortar layer on a mortarless masonry wall system F.S. Fonseca, & J.G. Eixenberger	0241_1 - Static and dynamic analysis of masonry buildings using a new macroelement within the equivalent frame method G. Rinaldin, & C. Amadio	
10.00-10.15	0259_2 - Out-of-plane behaviour of slender reinforced masonry walls for tall single storey buildings: Design procedure B. Ferracuti, L. Bacci, & M. Savoia	0075_2 - Experimental study on flexural properties of perforated concrete brick masonry C.L. Pu, X. Li, & X.L. Gu	0033_1 - Prefabricated thin layers of mortar for masonry W. Brameshuber, M. Graubohm, & D. Saenger	0243_1 - Comparison of seismic behaviour of façades of colonial churches with and without bell towers F. Peña, C. Cruz, & N. Garcia	
10.15-10.30	0330_1 - Design of special reinforced masonry shear walls in the U.S. G.R. Kingsley, T. Gangel, & P.B. Shing	0294_1 - A practical design method for flexural elements of dry-stacked post-tensioned masonry system H. Urrego-Giraldo, R. Bonetti-Diaz, & J. Restrepo	0046_1 - Design of basement walls under lateral earth pressure V. Förster, & C.A. Graubner	0287_1 - Application of crude Monte Carlo and adaptive importance sampling in reliability assessment of URM shear walls H. Salehi, M. Montazerolghaem, & W. Jäger	
10.30-10.45	0002_1 - Bed joint reinforcement and the load bearing capacity of masonry beams A.T. Vermeltfoort	0309_1 - Flexural behaviour of FRP strengthened brick cavity walls H. Derakhshan, W. Lucas, & M.C. Griffith	0018_2 - Fastening of windows in vertically perforated thermal insulating clay unit masonry U. Meyer, J.Küenzlen, T. Scheller, W.Jehl, J.Novak, N. Sack, & T. Feth	0291_1 - Determination of the capacity reduction factor of masonry walls under buckling - A numerical procedure based on the matrix transfer method T. Bakeer, & W. Jäger	
10.45-11.00	0137_1 - Applied equations for ductility in reinforced masonry elements subject to seismic bending plus compression J.G. Tawresey, & F.S. Dill	0075_1 - Out-of-plane loading test of perforated concrete brick walls confined by floor slabs L.F. Chen, X. Li, & X.L. Gu	0263_1 - Innovative insulation technique for reducing heat loss in veneer masonry walls E. Alkhateeb, H. Youssef, & W. Jäger	0240_1 - New method for determining spacing of movement joints in solid unreinforced veneer walls D. Martens	
11.00-11.30	Coffee Break / Poster Session 2				
T16 - REINFORCED & CONFINED MASONRY 2 Chairs: M. Gams, & L.R. Feldman	T13 - MASONRY MATERIALS & TESTINGS: ON-SITE TESTS 1 Chairs: G.A. Parsekian, & L. Pelà	T12 - MASONRY INFILL WALLS & RC FRAMES 1 Chairs: G.R. Kingsley, & M. Mosoarca	T2 - ANALYSIS OF MASONRY STRUCTURES 4 Chairs: X.L. Gu, & G. de Felice		
11.30-11.45	0048_1 - System-level seismic performance assessment of an asymmetrical reinforced concrete block building with boundary elements M. Ezzeldin, W.W. El-Dakhkhni, & L. Wiebe	0016_2 - On-site diagnosis of masonry structures via sonic tomography: The case of the ex-church of San Barbuziano C. Colla, & E. Gabrielli	0301_1 - Contribution of masonry cladding for robustness enhancement of multi-storey buildings under sudden column loss F.B. Xavier, L. Macorini, & B.A. Izzuddin	0307_1 - Strength reduction factor for out-of-plane failure mechanisms of masonry walls S. Coccia, F. Di Carlo, & S. Imperatore	
11.45-12.00	0105_1 - Experimental analysis of in-plane shear strength of reinforced concrete masonry walls and its seismic behavior D.A. Hidalgo-Leiva, D. Acuña-García, A.H. Barbat, & L.G. Pujades	0183_1 - Laser sheography NDE of masonry and concrete structures A.M. Amde, R. Livingston, & J.W. Newman	0099_1 - Lateral load experiment and comparison with analytical model for in-filled masonry panels with openings in an RC frame Y.H. Tu, Y.F. Chao, & T.C. Chiou	0320_1 - Is Modal Pushover Analysis accurate in estimating seismic demands for unreinforced masonry buildings with flexible diaphragms? Y. Nakamura, H. Derakhshan, M.C. Griffith, & G. Magenes	
12.00-12.15	0003_1 - Influence of lap splice termination in concrete block masonry C. Galliot, & L.R. Feldman	0266_2 - The analysis and the diagnostic investigation of tuff masonry structures of a historic villa in Naples L. Cantini, M.A. Parisi, C. Tardini, & G. Cardani	0043_1 - Non-linear static analysis of multi-storey steel frame with semi-interlocking masonry infill panels Z. Wang, Y. Totoev, & K. Lin	0047_1 - Backbone model for displacement-based seismic design of reinforced masonry shear walls buildings A. Ashour, & W.W. El-Dakhkhni	
12.15-12.30	0244_1 - Comparative assessment of externally rendered and internally grouted reinforced hollow concrete dry stacked masonry walls subject to out-of-plane bending R. Dhanasekar, & M. Ferozkhan	0123_1 - Evaluation of mortar strength in existing masonry structures through a minor destructive technique D. Marastoni, A. Benedetti, & L. Pelà	0131_1 - Simplified evaluation of drifts for RC buildings with masonry infills S. Hak, P. Morandi, & G. Magenes	0297_1 - Seismic assessment of stone masonry using distinct element method B. Lipo, A.L. Genoese, An. Genoese, & G. de Felice	
12.30-12.45	0107_1 - Shear strength of confined masonry walls with transverse reinforcement J.J. Perez Gavilan, & A.I. Cruz O.	0139_1 - Development of a new flatjack for hollow block masonry M.O. Soriani, E.R. Sanchez, G.A. Parsekian, & M.P. Schuller	0121_1 - A simplified assessment model of masonry infill piers T.C. Chiou, S.J. Hwang, Y.H. Tu, & Y.S. Tu	0339_1 - Some remarks on the dynamic characterization of historical architectural complexes in the context of seismic performance assessment D. Brigante, C. Rainieri, & G. Fabbrocino	
12.45-13.00	0174_1 - Application of Strut-and-Tie Model for seismic design of confined masonry shear walls S. Brzev, & J.J. Perez Gavilan	0274_2 - Analysis and evaluations of flat jack test on a wide existing masonry buildings sample E. Cescatti, M. Dalla Benetta, C. Modena, & F. Casarin	0051_2 - Numerical simulation of the non-linear behaviour of masonry infills within multi-story RC framed structures G.C. Manos, & V. Soulis	0347_1 - Influence of connections in the seismic behavior of trilitic large blocks masonry structures D. Foti, V. Vacca, & S. Ivorra	
13.00-13.15	0107_2 - Experimental investigation of confined masonry infill walls J.M. Leal G., J.J. Perez-Gavilan, J.H. Castorena G, & J.I. Velázquez D.	0266_1 - The diagnostic investigations plan for historic masonry buildings: The role of sonic tests and other minor destructive techniques L. Cantini	0202_2 - Seismic response history analysis including out-of-plane collapse of unreinforced masonry infill walls in RC frame structures F. Longo, L. Wiebe, F. da Porto, & C. Modena	0359_1 - Comparative seismic assessment of masonry towers through nonlinear analysis: the RISEM experience G. Bartoli, M. Betti, & S. Monchetti	
13.15-14.15	Lunch				
T13 - LIME IN MORTARS (special session) Chairs: A.S. Smith, & M. Secco	T10 - FIRE RESISTANCE, BLASTS, & IMPACTS Chairs: W.W. El-Dakhkhni, & M. Dhanasekar	T12 - MASONRY INFILL WALLS & RC FRAMES 2 Chairs: A. Masi, & C.E. Adami	T2 - ANALYSIS OF MASONRY STRUCTURES 5 Chairs: P.B. Lourenço, & A.Penna		
14.15-14.30	0420_1 - A review of research and experimental findings on the effects of hydrated (air) lime addition to cement-based masonry mortars on the properties of the mortars and associated masonry A.S. Smith, & R. Givens	0018_1 - Extended application of fire test results with clay unit masonry according to EN 15080-12 U. Meyer, & T. Mittmann	0260_1 - In-plane cyclic tests on hollow clay brick masonry infills retrofitted by glass fiber mesh reinforced mortar coating L. Facconi, F. Minelli, & E. Giuriani	0304_1 - Closed form homogenization model for masonry in-plane loaded E. Bertolesi, & G. Milani	
14.30-14.45	0045_1 - Lime carbonation, environmental footprint of seven mortars placed on the European market T. Schlegel, & A. Shtiza	0093_1 - Numeric research on the mechanical properties of different masonry units during and after fire S. Russo, & F. Sciarretta	0222_1 - In-plane performance of RC infilled frames under seismic actions: Experimental versus code provision values A. Masi, V. Manfredi, & G. Cetraro	0375_1 - Dynamic identification analysis for the FE model updating of masonry buildings S. Churilov, K. Milkova, & E. Dumova-Jovanoska	
14.45-15.00	0129_1 - Complete experimental characterization of lime mortar and clay brick masonry L. Pelà, E. Canella, K. Kasoumi, P. Roca, & D. Marastoni	0019_1 - Out-of-plane blast capacity of load-bearing masonry walls F. Parisi, C. Balestrieri, & D. Asprone	0272_1 - Design of masonry infill walls with sliding joints for earthquake structural damage control M. Preti, V. Bolis, & A. Stavridis	0321_2 - Critical remarks on the use of partial safety factors in non-linear analysis of vertically loaded masonry walls T. Bakeer, & W. Jäger	
15.00-15.15	0257_1 - Use of EC6-like equations to estimate the compressive strength of masonry made of solid clay bricks and lime mortar D. Ferretti, E. Coisson, D. Ugolotti, & E. Lenticchia	0057_1 - Resilience-based design of reinforced masonry wall buildings under blast loading S. Salem, W.W. El-Dakhkhni, & M. Tait	0311_1 - Experimental tests on masonry infilled gravity- and seismic-load designed RC frames G.M. Verderame, P. Ricci, C. Del Gaudio, & M.T. De Risi	0214_1 - Stochastic spatial modelling of material properties and structural strength of unreinforced masonry in two-way bending J. Li, M.J. Masia, & M.G. Stewart	
15.15-15.30	0016_1 - Double punch tests on new and salt-decayed lime mortar joints C. Colla, & E. Gabrielli	0072_1 - Probabilistic risk assessment of masonry buildings exposed to improvised explosive devices M. Campidelli, W.W. El-Dakhkhni, M.J. Tait, & W. Mekky	0143_1 - In-plane / out-of-plane interaction in the seismic response of masonry infills in RC frames M. Oliaee, & G. Magenes	0152_1 - Cross curves of stability for drystone retaining wall design A.S. Colas, D. Garnier, J.C. Morel, T. Ciblac, & C. O'Neill	
15.30-15.45	0350_1 - Thermal insulating lime plaster H. Hansen, A. Ehtesham, T. Bech-Petersen, & M.S. Moesgaard	0217_2 - Modelling of masonry walls rendered with auxetic foam layers against vehicular impacts M. Dhanasekar, D.P. Thambiraman, T.H.T. Chan, S. Noor-E-Khuda, & T. Zahra	0245_1 - Out-of-plane response of masonry infilled RC frames: Effect of workmanship and opening F. Akhouni, G. Vasconcelos, P. Lourenço, & L. Silva	0370_1 - Seismic assessment of innovative AAC masonry solutions A.Penna, G. Magenes, A. Rosti, M. Mandirola, & M. Rota	
15.45-16.00	0278_1 - Characterization of lime-stabilized earthen mortars from historic masonry structures M. Secco, A. Addis, & G. Artioli	0072_2 - Risk-driven fragility evaluation of reinforced concrete block walls subjected to blast hazard M. Campidelli, W.W. El-Dakhkhni, M.J. Tait, & W. Mekky	0089_1 - Experimental study of the out-of-plane behaviour of masonry infill walls with and without previous in-plane damage A. Furtado, A. Arêde, H. Varum, & H. Rodrigues	0067_2 - Seismic strengthening of a theatre masonry building by using active FRP wires F. Micelli, A. Cascardi, & M. Marsano	
16.00-16.30	Coffee Break / Poster Session 2				
T14 - MASONRY REPAIR & STRENGTHENING 4 Chairs: N.G. Shrive, & V. Bosiljkov	T13 - MASONRY MATERIALS & TESTINGS: ON-SITE TESTS 2 Chairs: D. Biggs, & G. Mirabella Roberti	T2 - ANALYSIS OF MASONRY STRUCTURES: LIMIT ANALYSIS Chairs: P. Roca, & C. Casapulla			
16.30-16.45	0280_2 - Modelling of tuff masonry walls retrofitted with inorganic matrix-grid composites G.P. Lignola, C. D'Ambra, A. Protà, & F. Ceroni	0221_1 - Comparison between in situ experimental data and Italian code standard values G. Marghella, A. Marzo, B. Carpani, M. Indirli, & A. Formisano	0128_1 - Probability of occurrence of slip failure along head joints in masonry subjected to in-plane loading M. Asenov, N. Mojsilović, & T. Mikić		
16.45-17.00	0012_2 - Effectiveness of inorganic matrix-grid composites for strengthening masonry walls A. Balsamo, D. Asprone, I. Iovinella, G. Maddaloni, C. Menna, A. Protà, F. Ceroni, & A. Zinno (G.P. Lignola)	0322_1 - In-situ mechanical characterization of existing masonry typologies: A research project in Italy finalized to update the structural codes A. Vignoli, S. Boschi, C. Modena, & E. Cescatti	0155_1 - Evaluation of masonry block structures subjected to foundation settlements using limit equilibrium analysis F. Portioli, L. Cascini, & R. Landolfo		
17.00-17.15	0067_1 - Shear behaviour of Fiber Reinforced Mortar strengthened masonry walls built with limestone blocks and hydraulic mortar F. Micelli, M.S. Sciolti, M. Leone, M.A. Aiello, & A. Dudine	0159_1 - Requirements for execution classes J. Roberts	0224_1 - The relevance of frictional resistances in out-of-plane mechanisms of block masonry structures C. Casapulla, L. U. Argiento, F. da Porto, & D. Biondo		
17.15-17.30	0111_1 - Aramid fibres for conservative intervention on masonry structures E. Pinotti, C. Casalegno, R. Ceravolo, & C. Surace	0279_1 - Mechanical characterization of particular masonry panels in Tuscany S. Boschi, C. Bernardini, A. Borghini, A. Ciavattone, E. Del Monte, S. Giordano, A. Vignoli, & N. Signorini	0261_1 - In-plane strength under seismic forces of multi-storey masonry walls reinforced by steel ties S. Coccia, M. Como, & F. Di Carlo		
17.30-17.45	0136_1 - Investigation on multiple-leaf brickwork masonry walls under compression and shear R. Capozucca, & G. Pace (E. Magagnoli)	0296_1 - Testing mechanical behaviour of earthen mortar masonry: Studies on palazzo Raimondi in Cremona G. Mirabella Roberti, A.G. Landi, & C. Tiraboschi	0155_2 - Modelling crushing failure in 3D limit analysis of masonry block structures by mathematical programming F. Portioli, L. Cascini, C. Casapulla, & R. Landolfo		
17.45-18.00	0076_2 - Experimental and numerical investigation on collar-joined masonry walls C. Wang, J.P. Forth, N. Nikitas, & V. Sarhosis	0188_2 - Compressive strength of brick masonry in existing buildings—Research on samples cut from the structures P. Matyssek	0337_1 - Strength of cracked masonry buttresses under horizontal loads S. Coccia, F. Di Carlo, & G. Forino		
18.00-18.15		0327_1 - Creep behavior of a building stone from the South of Italy D. Foti, V. Vacca, S. Ivorra, V. Brotos, & R. Tomás	0346_2 - Prediction of the out-of-plane response of infilled frames under seismic loads by a new fiber-section macro-model P.B. Shing, L. Cavaleri, & F. Di Trapani		
18.15-18.30	CLOSING CEREMONY at Centro Culturale San Gaetano - Room H (Auditorium)				
19.00-20.00	VISIT at Cappella degli Scrovegni (for payment, reservation required)				



Thursday, June 30

8.00-17.00

TECHNICAL VISIT at Kerakoll Green Lab

Tuesday, June 28: POSTER SESSION 1	Wednesday, June 29: POSTER SESSION 2
<b>0339_2 - Structural characterization and performance assessment of the Villa d'Este Palace in Tivoli</b> A. Marra, D. Brigante, C. Rainieri, & G. Fabbrocino	<b>0246_1 - Discrete modelling of masonry structures under dynamic loading</b> R. Dimitri, & G. Zavarise
<b>0167_1 - Efflorescence formation on external masonry walls – A long-term exposure study</b> M. Wesolowska, & A. Kaczmarek	<b>0265_1 - A study of masonry walls by boundary element formulation using homogenization procedure</b> L. Oliveira Neto, F.B. Manguiera, & M.J. Masia
<b>0167_2 - Influence of selected mortars on the integrity of facing walls</b> M. Wesolowska	<b>0122_1 - Experimental analysis of masonry ring beams reinforced with composite materials</b> A. Borri, R. Sisti, M. Corradi, & A. Giannantoni
<b>0200_1 - Experimental investigations on the influence of thermal elements on the structural stability of modern masonry walls</b> M. Deyazada, B. Vandoren, & H. Degée	<b>0317_2 - Numerical analysis of the structural response of RC-framed buildings subjected to internal explosions</b> M.A. Zanini, P. Mocellin, C. Vianello, G. Maschio, F. Faleschini, M. Andreotti, C. Pellegrino, & C. Modena
<b>0252_1 - Innovative masonry elements with thermal performance</b> C.L. Matej	<b>0228_1 - Integrated geomatic methodologies for the 3D survey of “Ex Stazione Frigorifera Specializzata” (Magazzini Generali of Verona, Italy)</b> V. Achilli, M. Fabris, A. Menin, & M. Monego
<b>0188_1 - Influence of water saturation on the strength and deformability of brick masonry under compression</b> P. Matysek, & M. Witkowski	<b>0192_2 - Seismic vulnerability assessment of clustered historical centers: Fragility curves based on local collapse mechanisms analyses</b> S. Taffarel, M. Caliman, M.R. Valluzzi, F. da Porto, & C. Modena
<b>0102_1 - Effect and durability of sisal fibers in concrete blocks</b> I.I. Soto, & M. A. Ramalho	<b>0348_1 - Distribution of compression stress in historical three leaf stone masonry walls after internal injection</b> J. Jasiński, L. Bednarz, W. Misztal, & K. Raszczuk
<b>0348_2 - Methodology of static analysis, strengthening and monitoring of brick vaults and pillars in St. James Basilica in Nysa (Poland)</b> J. Jasiński, L.I. Bednarz, W. Misztal, K. Raszczuk, & T.P. Nowak	<b>0415_1 - Distortions and the way of damaging masonry walls supported on deflected structural elements</b> A. Piekarczyk, & R. Jasiński
<b>0031_1 - Shear strength of dry-stack masonry walls</b> J.G. Eixenberger, & F.S. Fonseca	<b>0346_1 - Use of FRP fabrics and stainless steel grids for strengthening brick masonry columns</b> G. Campione, L. Cavaleri, L.La Mendola, & M. Papia
<b>0119_2 - Comparison research of kind of mortar influence and bed joints reinforcement on shear parameters of AAC masonry walls</b> R. Jasiński, A. Piekarczyk, & L. Misiewicz	<b>0140_1 - Out-of-plane behavior of an interlocking masonry unit</b> C. Thomson, B.D. Weldon, & S. Biadora
<b>0233_1 - Experimental study on the mechanical performance of steel ties for brick masonry veneers</b> A. Martins, G. Vasconcelos, & A. Campos Costa	<b>0209_1 - Seismic isolation in masonry buildings: Technological and economic issues</b> P. Clemente, F. Bontempi, & A. Boccamazzo
<b>0211_1 - Research progress and low-carbon property of reinforced concrete block masonry structures in China</b> F. Wang, X. Zhang, & F.Zhu	<b>0119_1 - Research of bed joints reinforced masonry walls with openings made of calcium silicate units horizontally sheared</b> R. Jasiński
	<b>0268_1 - Seismic vulnerability assessment of existing masonry buildings by nonlinear static analyses and fragility curves</b> M. Fava, M. Munari, F. da Porto, & C. Modena