

09 JULY 2026 GUIDOTTI - Session I morning

	SS	ID	Authors	Title
11:00-11:15	1	10	AITA, D., Cavallo, A., Milani, G., Taliercio, A.	From survey and monitoring to structural analysis: the case study of the umbrella vault in the Masegra castle
11:15-11:30	1	29	POURFOULADI, M., Labanca, F., Hua, Y., Milani, G.	Experimental Validation of Discrete-Block Limit Analysis for Skew Arch Collapse Under Tilting-Plane Loading
11:30-11:45	1	39	Millán, M., Santoro, J., MENCÍAS-CARRIZOSA, D., Solano, G., García, J.	A Limit-Analysis-Based Strategy for Classifying Cracking Mechanisms in Masonry under Differential Settlements
11:45-12:00	1	40	GALASSI, S., Pilo, M. L., Tempesta G.	Thrust line analysis of masonry arches according to the original 19th-century memoir by E. Méry
12:00-12:15	1	95	TAHAT, H., Rotunno, T., Urso, S., Fagone, M.	Experimental Assessment and Limit Analysis of Unreinforced Masonry Arches under Eccentric Vertical Loading
12:15-12:30	1	72	HERMANS, Y., Hua, Y., Ehab Moustafa Kamel, K., Milani, G., Massart, T.	Morphology-Controlled Voronoi Generation and 3D Kinematic Limit Analysis of Multi-Leaf Rubble Masonry

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	SS	ID	Authors	Title
14:00-14:15	1	73	Devanand, K., GHIASSI, B.	Soft-bond Particle Model to Investigate Effect of Geometrical Features in Masonry Core Testing
14:15-14:30	1	48	MENCIAS-CARRIZOSA, D., Martínez Cacho, J., García, J., Millán, M.	A Parametric Workflow for the Structural Evaluation of Brick Groin Vaults Using FEM-Based Automation
14:30-14:45	1	163	PINGARO, N., Scamardo, M., Crespi, P., Cattaneo, S., Milani, G.	Nonlinear Heterogeneous FE Analysis of URM Walls Subjected to Diagonal Compression Tests
14:45-15:00	1	108	Bartoli, A., CAVALAGLI, N., Pelliccia, M., Gusella, V.	Damage assessment of a masonry pavillon vault with lunettes due to settlements and horizontal actions
15:00-15:15	1	135	DEFO-WABO, J., Galassi, S., Zampieri, P., Pellegrino, C.	Local Scour Effects on Masonry Arch Bridges: A Stateof-the-Art Review on Modelling, Testing and Structural Health Monitoring
15:15-15:30	1	140	POURFOULADI, M., Ribolla, G., Pingaro, N., Negrello, F., Catalano, M., Paris, V., Milani, G.	Stability-aware robotic assembly of discrete masonry structures with real time feedback

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	SS	ID	Authors	Title
17:00-17:15	9	110	Rota, L., BELLERI, A.	Integration of Static Response in Finite Element Model Updating
17:15-17:30	9	123	Guerini M., FERRARI, R., Cocchetti, G., Rizzi, E.	Exact Numerical Time Integration of continuous beams on elastic supports
17:30-17:45	9	124	Guerini, M., FERRARI, R., Cocchetti, G., Rizzi, E.	An Exact Numerical Time Integration strategy for discrete dynamic systems under Moving Load
17:45-18:00	9	130	Ghirelli, G., Dieci, L., Ponsi, F., Ghita, E., Dallari, V., Bassoli, E., VINCENZI, L.	Non-Contact Dynamic Monitoring of a RC Railway Arch Bridge Using Vision-Based Techniques
18:00-18:15	9	136	Guerini, M., FERRARI, R., Cocchetti, G., Rizzi, E.	Exact Numerical Time Integration benchmarking by analytical treatments of continuous beam Moving Load problems
18:15-18:30	9	138	NICOLETTI, V., Quarchioni, S., Brunetti, A., Tentella, L., Carbonari, S., Gara, F.	Monitoring of Civil Engineering Structures: Optimized Design, Data Management and Real Applications
18:30-18:45	9	147	Brunetti, A., Quarchioni, S., NICOLETTI, V., Carbonari, S., Gara, F.	Experimental and numerical evaluation of vibration comfort in slender pedestrian bridges: approaches and applications
18:45-19:00	9	116	Brahim, A.O., MAGAGNINI, E.	Optimization-Based Structural Health Monitoring of Steel Pipelines Using XFEM and Balancing Composite Motion Algorithms

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	SS	ID	Authors	Title
11:00-11:15	GT	126	Mazzolani, F., FORMISANO, A.	Aluminium Alloys for Seismic-Resistant Buildings: Design and Implementation of the First European Residential Application
11:15-11:30	GT	9	Freitas, D., PADILHA, T., Moreno Junior, A., Parsekian, G., Ferreira, G.	Modeling of Concrete Masonry Walls for Thermal Insulation Assessment
11:30-11:45	GT	121	Naqash, M., FORMISANO, A.	Design and Structural Performance of Steel Brackets and Anchorages for Façade Connections
11:45-12:00	GT	60	WU, X., Milani, G.	Homogenization analysis of asphalt concrete composites via deep neural networks
12:00-12:15	GT	61	WU, X., Milani, G.	Fracture simulation of asphalt mixture model using the cohesive element and extended finite element methods
12:15-12:30	GT	7	BIZZARRI, L., Gregori, A., D'Agostino, C.	Effect of concrete properties on cyclic behavior of non-seismically designed RC beam-column wall joint

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	SS	ID	Authors	Title
14:00-14:15	GT	64	SASSU, M., De Stefano, M., Serra, G., Ferrini, M.	Simplified model strategy of rocking motion of r.c. pilotis buildings in case of seismic events.
14:15-14:30	GT	80	DE IASIO, A., Cao, A., Montalbetti, G., Milani, G., Ghiassi, B., Fabbrocino, G.	Low velocity impacts on steel structures: influence of beam-column connection modelling in Finite Element Analyses
14:30-14:45	GT	85	NING, Q., Milani, G., Shi, H., Lu, J., Lu, X.	Study on the Mechanical Properties of Aluminum Alloy Structures Connected with High-Strength Bolts
14:45-15:00	GT	86	NING, Q., Milani, G., Shi, H., Lu, J., Lu, X.	Study on the Mechanical Properties and Microstructure of Low- Carbon Steel Fabricated by ER50 Wire Additive Manufacturing
15:00-15:15	GT	104	MALLARDO, V., Grillanda, N.	Interaction analysis between soil and rigid-block masonry in 3D
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	SS	ID	Authors	Title
17:00-17:15	1	177	Cusano, L., Lanza, M., Picariello, F., IANNUZZO, A.	Distinct element modelling of the mechanical response of a small-scale stereotomic flat vault
17:15-17:30	1	141	Lanza, M. , Cusano, L. , Picariello, F. , IANNUZZO A.	Mechanical response of 3D printed flat arches with imperfections: experimental testing, DEM investigation and monitoring through a tracking system
17:30-17:45	1	176	MONTANINO, A., Cusano, L., Di Giacomo, A., Maddaloni, G., Fabbrocino, F., Iannuzzo, A.	CASS seismic assessment of Palazzo della Loggia in Brescia
17:45-18:00	1	155	VAIANO, G., Fabbrocino, F., Sibille, L.	On the Role of Geometry in Compression-Dominated Shell Roofs: a FEM Comparison between Form-Found and Constant-Thickness Configurations under Seismic Loading
18:00-18:15	1	102	GANDOLFI, A., Milani, G., Pourfouladi, M.	Physical Modelling and Quasi-Static Testing of the “Maria Luigia” bridge in Fiorenzuola (PC), Italy
18:15-18:30	1	170	Gerges, A., Orozco, F., Porcu, M.C., Cazzani, A., IANNUZZO, A.	Stability assessment of the leaning Torre del Piano: comparing Heyman's approach, the PRD method and FEM analyses: Stability assessment of the leaning Torre del Piano
18:30-18:45	1	173	STAGNITTO, G., Siccardi, R., Ghioni, M., Pederzani, A., Zampieri, P.	The Allowed Rotations Method for the Assessment of masonry bridges
18:45-19:00	1	171	MAGAGNINI, E., Stazi, F.	Long-Term Response of a GFRCM-Strengthened Masonry Barrel Vault: Experimental Reassessment after Ten Years