

Tentative Schedule

ID	Title	Authors	Session	Day	Session Slot
TC301-2026-2	Hydraulic behavior of rock masses around historical underground structures (Boleiti tunnel and Daryun canal) of Shushtar City, Iran	Arash Barjasteh	Underground Monuments and Rock Engineering	Thursday 17 September	13:50-15:20
TC301-2026-3	Site effects and risk assessment for the preservation of cultural heritage in the city of Augusta (Italy)	Francesco Castelli, Salvatore Grasso, Valentina Lentini, Maria Stella Vanessa Sammito	Geohazards and Multi-Hazard Risk Assessment for Cultural Heritage	Wednesday 16 September	16:50-18:00
TC301-2026-4	Preserving Historical Structures in Urban Tunneling: Diaphragm Walls Embedded in Bedrock	Federico Capata, Matteo Iacorossi, Francesca De Santis	Heritage Sites and Urban Development	Thursday 17 September	17:00-18:10
TC301-2026-5	Predicting Creep Behaviour in the Historical Valkenburg Calcarene Mines Using LSTM Neural Networks	Nikolaos Antoniadis, Wout Broere, Guillaume Rongier, Dominique Ngan-Tillard	Underground Monuments and Rock Engineering	Thursday 17 September	13:50-15:20
TC301-2026-10	Investigation, analysis and rehabilitation of the failures of St Dimitrios Bastion in the old city of Chania, Crete	Michael Bardanis, George Dounias	Case Histories in Heritage Preservation	Wednesday 16 September	11:20- 12:30
TC301-2026-14	The Folkestone Warren landslides and the East Cliff Roman Villa	Keith Parfitt, Eddie Bromhead	Geohazards and Multi-Hazard Risk Assessment for Cultural Heritage	Wednesday 16 September	16:50-18:00
TC301-2026-15	Geotechnical Study on the Hellenistic stone retaining wall of the Upper Agora in Ephesus under static and seismic loading	Cihan Taylan Akdag, Frank Rackwitz, Daniel Musall, Thekla Schulz-Brize, Altug Hasözbeke	Seismic Behaviour of Heritage Monuments: Observation, Modelling and Mitigation	Thursday 17 September	09:25-10:35
TC301-2026-16	Winter Road Maintenance as a Threat to Our Built Heritage	Taryn DiLorenzo	Heritage Sites and Urban Development	Thursday 17 September	17:00-18:10
TC301-2026-19	THE RECONSTRUCTION OF THE AL HADBA MINARET IN THE AL NURI MOSQUE IN MOSUL, SYMBOL AND OUTSTANDING HISTORIC HERITAGE of the city	Valter Maria Santoro, Maria Rita Acetoso, Stefano De Vito	Restoration Engineering and Structural Interventions	Thursday 17 September	11:00-13:00
TC301-2026-20	Numerical analysis of the cliff failure occurred at St. Eutizio Abbey during the 2016 Central Italy seismic sequence	Fausto Somma, Benedetta Cortellesi, Alessandro Pagliaroli, Paolo Tommasi, Giuseppe Lanzo	Seismic Behaviour of Heritage Monuments: Observation, Modelling and Mitigation	Thursday 17 September	09:25-10:35
TC301-2026-21	Landslides Under Flash Floods: Failure Mechanisms and Risk Mitigation Measures	DIMITRIOS BOUTAKIDIS, SPIRIDOULA BAREKA, GEORGIOS EFRAIMIDIS, Polyxeni Kallioglou	Geohazards and Multi-Hazard Risk Assessment for Cultural Heritage	Wednesday 16 September	16:50-18:00
TC301-2026-22	The Crypta Neapolitana: a Roman tunnel deserving new life	Emilio Bilotta, Gianluca Fasano, Alessandro Flora	Underground Monuments and Rock Engineering	Thursday 17 September	13:50-15:20
TC301-2026-23	Restoring the foundation of a historic Viennese building using injections of expanding polyurethane resins	Andrea Dominijanni, Matteo Gabassi, Fritz Kopf, Daniel Metz, Alberto Minardi, Alberto Pasquetto, Juergen Polansky	Restoration Engineering and Structural Interventions	Thursday 17 September	11:00-13:00
TC301-2026-25	Investigations by use SDMT seismic modulus to restore two historical buildings damaged by the April 6, 2009 L'Aquila earthquake.	Gianfranco Totani, Ferdinando Totani, Claudia Durante	Materials, Monitoring and Geotechnical Investigation Methods	Wednesday 16 September	14:00-15:50
TC301-2026-27	3D FEM coupled simulation of TBM tunnelling and station excavation	Luca Masini, Gaetano La Grotta, Francesco Lavagnini, Sebastiano Rampello	Heritage Sites and Urban Development	Thursday 17 September	17:00-18:10
TC301-2026-28	Refining stabilization strategies with parametric analysis of discontinuities: the case of the Baia castle	Giuseppe Astuto, Antonio Santo, Alessandro Flora	Restoration Engineering and Structural Interventions	Thursday 17 September	11:00-13:00
TC301-2026-29	Geotechnical and Structural Engineering for Old Historical Buildings	Kari Avellan	Restoration Engineering and Structural Interventions	Thursday 17 September	11:00-13:00
TC301-2026-30	Climate change impact on the safety of monuments and historical sites subjected to geohazards	Prodromos Psarropoulos, Yiannis Tsompanakis, Nikolaos Makrakis	Geohazards and Multi-Hazard Risk Assessment for Cultural Heritage	Wednesday 16 September	16:50-18:00

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TC301-2026-31	A New Theory for the verification of the location of the ancient city of Helike in Achaia, Greece	Prodromos Psarropoulos	Materials, Monitoring and Geotechnical Investigation Methods	Wednesday 16 September	14:00-15:50
TC301-2026-32	Assessment of Stability Conditions for a Large Block Overhanging a Nabataean Archaeological Well at the UNESCO Site of HEGRA – KSA	Edoardo Lusini, Daniela Boldini, Daniele Spizzichino, Claudio Margottini	Underground Monuments and Rock Engineering	Thursday 17 September	13:50-15:20
TC301-2026-33	Archaeological Heritage and subsidence-induced flood risk: the emblematic case of Santa Croce in Ravenna (Italy)	Ilaria Bertolini, Michela Marchi, Guido Gottardi	Case Histories in Heritage Preservation	Wednesday 16 September	11:20- 12:30
TC301-2026-34	Development of methodologies and protocols for the analysis of the geotechnical and structural safety of archaeological monuments from the pre-Nuragic age in Sardinia	Giuseppe Tropeano, Giovanna Concu, Donatella Rita Fiorino, Daniel Meloni	Restoration Engineering and Structural Interventions	Thursday 17 September	11:00-13:00
TC301-2026-36	Dynamic Response Assessment of the Acropolis Circuit Wall Using Structural-Health Monitoring, Big-Data Analytics, and Numerical Modelling	Elena Kapogianni, Prodromos Psarropoulos, Georgios Sakellariou, Michael Sakellariou	Seismic Behaviour of Heritage Monuments: Observation, Modelling and Mitigation	Thursday 17 September	09:25-10:35
TC301-2026-37	Big Time-Series Data Analytics in Structural Health Monitoring at the Acropolis of Athens Utilising Optical Fibre Sensors	Elena Kapogianni, Georgios Sakellariou, Michael Sakellariou	Materials, Monitoring and Geotechnical Investigation Methods	Wednesday 16 September	14:00-15:50
TC301-2026-39	Numerical damage assessment of a medieval masonry castle under differential settlements	Chiara Ferrero, Giulio Lucio Sergio Sacco, Chiara Calderini	Geohazards and Multi-Hazard Risk Assessment for Cultural Heritage	Wednesday 16 September	16:50-18:00
TC301-2026-40	Geotechnical modelling for the structural assessment of the Two Towers in Bologna (Italy)	Ilaria Bertolini, Michela Marchi, Alessio Mentani, Guido Gottardi	Materials, Monitoring and Geotechnical Investigation Methods	Wednesday 16 September	14:00-15:50
TC301-2026-42	Underground Church of Saint-Emilion : Geotechnical challenges in light of heritage issues	Nicolas Carpentier	Underground Monuments and Rock Engineering	Thursday 17 September	13:50-15:20
TC301-2026-43	Anastylosis of the northeastern tower of the ancient fortress of Aegosthena in Attica: construction analysis, collapse mechanism and interventions for the improvement of the foundation condit	Eleni-Eva Toubakari, Dimitrios Egglezos	Restoration Engineering and Structural Interventions	Thursday 17 September	11:00-13:00
TC301-2026-47	Anastylosis of the Western Stoa of the Gymnasium of Ancient Messene: Engineering Insights into an Archaeological Monument	Anargyros Alexandris, Konstandinos Papandonopoulos	Restoration Engineering and Structural Interventions	Thursday 17 September	11:00-13:00
TC301-2026-49	New York City's Lost Cemeteries	Debra Laefer	Heritage Sites and Urban Development	Thursday 17 September	17:00-18:10
TC301-2026-50	Influence of uncertainties on the stability of rock cavities under gravity and seismic loads	Filomena de Silva, Alessandro Flora, Mariano Nuzzo, Francesco Silvestri	Seismic Behaviour of Heritage Monuments: Observation, Modelling and Mitigation	Thursday 17 September	09:25-10:35
TC301-2026-55	Monuments of Greece classified according to seismic behavior and case study for seismic vulnerability index	Evangelia Pelli, Ioannis Dourakopoulos, Paraskevi Yiouta-Mitra, Anastasios Sextos	Seismic Behaviour of Heritage Monuments: Observation, Modelling and Mitigation	Thursday 17 September	09:25-10:35
TC301-2026-57	Seismic Risk Mitigation for the Athenian Acropolis Wall: Structural and Geotechnical Strategies	Dimitrios Egglezos	Greek Monuments	Friday 18 September	13:00 - 14:00
TC301-2026-58	A Simplified 2D Methodology for Assessing the Stability of Carved Mycenaean Tombs Under Asymmetrical Geological Conditions	Dimitrios Egglezos, Lysandros Pantelidis	Underground Monuments and Rock Engineering	Thursday 17 September	13:50-15:20
TC301-2026-59	A Multidisciplinary Approach to the Restoration of the Pyli Arch Bridge: Integrating Seismic, Geotechnical, and Hydraulic Analyses	Dimitrios Egglezos, Christos Giannelos	Seismic Behaviour of Heritage Monuments: Observation, Modelling and Mitigation	Thursday 17 September	09:25-10:35
TC301-2026-60	Seismic Memory in Stone: Structural and Geological Evidence of Historical Earthquakes at the Acropolis of Athens	Dimitrios Egglezos, Dorina Moullou, Vasso Evgenikou	Greek Monuments	Friday 18 September	13:00 - 14:00

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TC301-2026-61	The Sandy Mound which has been supporting Bayon Tower in Angkor under Squall in the past 700 years but still needs countermeasures in the coming global warming climate	Yoshinori Iwasaki	Case Histories in Heritage Preservation	Wednesday 16 September	11:20- 12:30
TC301-2026-63	Vertical connectors between successive drums in ancient columns: literature and in-situ investigation	Vasiliki Palieraki, Eleni Tavouktsi, Eleni Karakike, Constantinos Arvanitis	Restoration Engineering and Structural Interventions	Thursday 17 September	11:00-13:00
TC301-2026-64	Case Study- Excavation Around Heritage Buildings in an Urban Environment	Peng Hong Lim, Jin Jie Loo, Chin Yoong Lim	Case Histories in Heritage Preservation	Wednesday 16 September	11:20- 12:30
TC301-2026-65	Effect of local soil conditions on the seismic response of free-standing multi-drum ancient Greek columns	Stella Karafagka, Kyriazis Pitilakis	Greek Monuments	Friday 18 September	13:00 - 14:00
TC301-2026-68	Geotechnical Rehabilitation of the Cathedral of Mexico in 2020-2021	Eduardo Botero-Jaramillo, Efrain Ovando Shelley, Alexandra Ossa Lopez	Case Histories in Heritage Preservation	Wednesday 16 September	11:20- 12:30
TC301-2026-71	Geotechnical Contributions to the Preservation of Ancient Tumuli and Tombs: Case Studies from Archaeological Sites in Greece	Sophie Sakellariou, George Dounias, Vasilis Gikas	Case Histories in Heritage Preservation	Wednesday 16 September	11:20- 12:30
TC301-2026-73	Digital Twin Technology in Archaeology: Laser Scanning the Underground Mine Galleries at Agios Sostis, Sifnos	EMMANUEL VASSILAKIS, Georgios Gavallas, Aliko Konsolaki, Maria Kazantzaki, Evangelos Tsakalos, George Oikonomidis	Heritage Sites and Urban Development	Thursday 17 September	17:00-18:10
TC301-2026-74	Static and Seismic Behaviour of Embedded Ancient Vaults	George Gazetas, Katerina Leontari, Nicos Makris, Marios Apostolou	Seismic Behaviour of Heritage Monuments: Observation, Modelling and Mitigation	Thursday 17 September	09:25-10:35
TC301-2026-76	Effect of partial saturation of soil pastes between masonry stones in the tensile strength of the masonry walls	Michael Bardanis, Dionisia Tzarela, Ourania Daferera, Sofia Grifiza, Dimitrios Kokoviadis	Materials, Monitoring and Geotechnical Investigation Methods	Wednesday 16 September	14:00-15:50
TC301-2026-77	Laboratory and field investigation of the backfill behind the ancient walls of the Acropolis, Athens	Michael Bardanis, Nikos Ninis, Dionisia Michalopoulou	Greek Monuments	Friday 18 September	13:00 - 14:00
TC301-2026-78	Finite element analyses of prehistoric walls under the loads of modern day shelters	Michael Bardanis, Dimitrios Tsoutsas, Basil Kasimis	Heritage Sites and Urban Development	Thursday 17 September	17:00-18:10
TC301-2026-79	Historical aspects of the construction and life of the Corinth Canal	Michael Bardanis	Case Histories in Heritage Preservation	Wednesday 16 September	11:20- 12:30
TC301-2026-80	Monuments affected by the construction of dams	Christos Tsatsanifos	Geohazards and Multi-Hazard Risk Assessment for Cultural Heritage	Wednesday 16 September	16:50-18:00
TC301-2026-83	The behavior of support measures applied to the Efpalineio tunnel, 10 years later	George Dounias, Evryviadis Lyberis, Vasilis Gikas	Restoration Engineering and Structural Interventions	Thursday 17 September	11:00-13:00
TC301-2026-85	The importance of soil characteristics on the resistance of Compressed Earth Blocks against water-mediated weathering	Rafail Panagiotou, Ioannis Ioannou	Materials, Monitoring and Geotechnical Investigation Methods	Wednesday 16 September	14:00-15:50
TC301-2026-87	The influence of the suction distribution on deformation property	Tomoyoshi NISHIMURA	Materials, Monitoring and Geotechnical Investigation Methods	Wednesday 16 September	14:00-15:50
TC301-2026-88	High-resolution SH wave exploration to assess damage to the Sakuradani Kofun Tumulus No.2 caused by the Noto earthquake	Yutaro Hara	Materials, Monitoring and Geotechnical Investigation Methods	Wednesday 16 September	14:00-15:50
TC301-2026-89	Study for the restoration of the walls of the Castle of Kalamata	Aris Chatzidakis	Restoration Engineering and Structural Interventions	Thursday 17 September	11:00-13:00
TC301-2026-93	Integrated Risk Assessment for Monumental Structures under Climate Change and Seismic Hazards	Dimitrios Egglezos	Greek Monuments	Friday 18 September	13:00 - 14:00

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TC301-2026-94	Geotechnical Challenges and Stabilization Interventions in Three Greek Show Caves of Monumental Value	Dimitrios Egglezos, Emmanouil Tzannidakis, Charalambos Gouvas, Antonis Galanakis	Underground Monuments and Rock Engineering	Thursday 17 September	13:50-15:20
TC301-2026-95	Geotechnical characterisation for dating rammed earth architecture. The medieval wall of Seville (Spain)	María Aragón-López, Ignacio Ruiz-Moreno, CRISTINA SORIANO-CUESTA, FRANCISCO M. HIDALGO-SANCHEZ, Rocío ROMERO-HERNANDEZ, Antonio Jaramillo, Emilio MAscot-Albea	Materials, Monitoring and Geotechnical Investigation Methods	Wednesday 16 September	14:00-15:50
TC301-2026-98	Geometric correction and subsurface hardening for heritage sites in Mexico City. Lessons learned	Julio César Hernández Ch., Elvira Leon	Geohazards and Multi-Hazard Risk Assessment for Cultural Heritage	Wednesday 16 September	16:50-18:00
TC301-2026-99	Stability Analysis of Excavation Fronts at the Herculaneum Archaeological Site	Orazio Casablanca, Margherita Zimbardo, Anna Scotto di Santolo	Underground Monuments and Rock Engineering	Thursday 17 September	13:50-15:20
TC301-2026-101	The light dynamic penetrometer and its use in geotechnical investigation for monuments and historic sites	Michael Bardanis, Dimitrios Kokoviadis	Materials, Monitoring and Geotechnical Investigation Methods	Wednesday 16 September	14:00-15:50
TC301-2026-103	Damage induced by groundwater drawdown-related settlements on a Roman Aqueduct	Marialuigia Sangirardi, Fabio Rollo, Giacomo Di Santo, S. Barsoum, Angelo Amorosi	Heritage Sites and Urban Development	Thursday 17 September	17:00-18:10
TC301-2026-105	Optimization of Flood Protection Interventions in St. Mark's Square in Venice and evaluation of effectiveness through Geotechnical Investigations and Monitoring	Paolo Simonini, Francesca Ceccato, Ahmet Sevren	Restoration Engineering and Structural Interventions	Thursday 17 September	11:00-13:00
TC301-2026-107	Revisiting Ancient Dam Engineering: Stability Assessment of the Alyzia Dam Using Modern Geotechnical Methods	Dimitrios Egglezos, Christos Tsatsanifos, Emmanouil Tzannidakis	Restoration Engineering and Structural Interventions	Thursday 17 September	11:00-13:00
TC301-2026-108	Experimental Investigation of Multi-Material Reinforcement for Han Dynasty Bricks from the Dingtao Tomb	Shaohan Wang, Ji-peng Wang, Jing-yi Shen, Shangqi Ge1, Shuaikang Su	Materials, Monitoring and Geotechnical Investigation Methods	Wednesday 16 September	14:00-15:50
TC301-2026-109	Mitigation of rock slope instabilities affecting Cultural Heritage sites. Examples from Greece	Haris Saroglou	Underground Monuments and Rock Engineering	Thursday 17 September	13:50-15:20