

Technical Schedule

16 September

📍 Athens Conservatoire

Aris Garoufalidis Auditorium
1st floor

Rigillias St & Vas. Georgiou
Avenue B 17-19, 10675
Athens, Greece



8:15 am – 8:40 am

Registrations

8:40 am – 11:05 am

Opening Addresses 08:40 am

Award Ceremony 09:10 am

Honouring the Guardians of Pisa

Keynote Lecture 09:40 am

Gurun Arun, Yildiz Technical University, Turkey

Keynote Lecture 10:20 am

Alexander Puzrin, ETH Zurich, Switzerland

COFFEE BREAK

11:00 am –
11:30 am

11:30 am – 12:50 pm

Technical Session 11:30 am

Case Histories in Heritage Preservation

Keynote Lecture 12:10 pm

Ikuo Towhata, University of Tokyo, Japan

LUNCH BREAK

12:50 pm –
1:50 pm

1:50 pm – 3:50 pm

Technical Session 1:50 pm

Materials, Monitoring & Geotechnical
Investigation Methods

COFFEE BREAK

3:50 pm –
4:10 pm

4:10 pm – 6:00 pm

Keynote Lecture 4:10 pm

Guido Gottardi, University of Bologna, Italy

Technical Session 4:50 pm

Geohazards and Multi-Hazard Risk
Assessment for Cultural Heritage

TRANSFER TO RECEPTION

6:00 pm –
7:00 pm

7:00 pm – 9:30 pm

National Archaeological Museum: Guided
Tour & Reception

08:15-08:40 Registrations

08:40-09:10 Opening Addresses

Christos Tsatsanifos, TC301-Athens Chairman

Alessandro Flora, TC301 Chair

Michalis Bardanis, President HSSMGE

Olga Dourou, Deputy Mayor of Waste Management and Recycling, City of Athens

09:10-09:40 Award Ceremony - Honouring the Guardians of Pisa

Session Chairs: Christos Tsatsanifos, Michalis Bardanis, Alessandro Flora

The Symposium opens with the inaugural Lifetime Achievement Award, presented by the Hellenic Society of Soil Mechanics and Geotechnical Engineering, paying tribute to three legendary geotechnical engineers whose pioneering work secured the future of one of the world's most iconic monuments—the Leaning Tower of Pisa.

09:40-10:20 Keynote Lecture - Gorun Arun

Session Chair: Elena Kapogianni (NTUA)

Yıldız Technical
University, Turkey



Substructure design of ancient master builders

In investigating heritage buildings, for proper interpretation of the causes of the failures and for decisions on proper intervention, it is important to consider the engineering knowledge and practice of their construction time. This study is made through reviewing archaeological and history of architecture publications, discussions with archaeologists and experiences met during diagnosis phase of restoration works.

10:20-11:00 Keynote Lecture - Alexander Puzrin

Session Chair: Jamie Standing (Imperial College)

ETH Zurich,
Switzerland



The Leaning Tower of St Moritz: a structure on a creeping landslide

The 13th century Leaning Tower of St Moritz, is located in the historic center of the famous Swiss ski resort town in the compression zone of a 10 million m³ Brattas landslide. Over the hundreds of years, this slowly creeping landslide, which is blocked by a rock outcrop below the tower, had damaged the adjacent St. Mauritius church to such an extent that it had to be demolished already in 1893 due to dangerous differential settlements and cracks. In this lecture, we'll explore the history of the Leaning Tower of St. Moritz, describe its stabilization attempts and pay tribute to some extraordinary minds behind them.

11:00-11:30 COFFEE BREAK

11:30-12:10 Case Histories in Heritage Preservation

Session Chair: Prodromos Psarropoulos (NTUA)

11:30 – 11:40

Ilaria Bertolini, Michela Marchi, Guido Gottardi

ID. 33 Archaeological Heritage and subsidence-induced flood risk: the emblematic case of Santa Croce in Ravenna (Italy)

11:40 – 11:50

Michael Bardanis, George Dounias

ID. 10 Investigation, analysis and rehabilitation of the failures of St Dimitrios Bastion in the old city of Chania, Crete

11:50 – 12:00

Peng Hong Lim, Jin Jie Loo, **Chin Yoong Lim**

ID. 64 Case Study- Excavation Around Heritage Buildings in an Urban Environment

12:00 – 12:10

George Dounias, Evryviadis Lyberis, Vasilis Gikas

ID. 83 The behavior of support measures applied to the Efpalineio tunnel, 10 years later

12:10-12:50 Keynote Lecture - Ikuo Towhata

Session Chair: Ioannis Anastasopoulos (ETH Zurich)

University of
Tokyo, Japan



Different kinds of restoration philosophy for cultural heritages after damage by disasters

Everything deteriorates with time, and cultural heritage is no exception. Natural hazards and human-induced events can cause severe damage, raising difficult questions about how monuments should be restored and preserved.

The lecture reviews different conservation approaches, from strict authenticity to rapid reconstruction, and examines their suitability in different contexts. The discussion ultimately questions the absolute importance of authenticity, suggesting that the enduring value of heritage may depend more fundamentally on the respect it conveys for history.

12:50-13:50 LUNCH BREAK

13:50-15:50 Materials, Monitoring and Geotechnical Investigation Methods

Session Chair: Emmanouel Vassilakis (NKUA)

13:50 – 14:00

Ilaria Bertolini, Michela Marchi, Alessio Mentani, Guido Gottardi

ID. 40 Geotechnical modelling for the structural assessment of the Two Towers in Bologna (Italy)

14:00 – 14:10

Michael Bardanis

ID. 76 Effect of partial saturation of soil pastes between masonry stones in the tensile strength of the masonry walls

- 14:10 – 14:20** **Shaohan Wang**, Shuaikang Su, Ji-peng Wang, Jing-yi Shen, Ling Wang, Shangqi Ge
ID. 108 Experimental Investigation of Multi-Material Reinforcement for Han Dynasty Bricks from the Dingtao Tomb
- 14:20 – 14:30** **Elena Kapogianni**, Georgios Sakellariou, Michael Sakellariou
ID. 37 Big Time-Series Data Analytics in Structural Health Monitoring at the Acropolis of Athens Utilising Optical Fibre Sensors
- 14:30 – 14:40** **María Aragón-López**, **Ignacio Ruiz-Moreno**, Cristina Soriano-Cuesta, Francisco M. Hidalgo-Sanchez, Rocío Romero-Hernandez, Antonio Jaramillo, Emilio Mascort-Albea
ID. 95 Geotechnical characterisation for dating rammed earth architecture. The medieval wall of Seville (Spain)
- 14:40 – 14:50** **Rafail Panagiotou**, Ioannis Ioannou
ID. 85 The importance of soil characteristics on the resistance of Compressed Earth Blocks against water-mediated weathering
- 14:50 – 15:00** **Michael Bardanis**, Dimitrios Kokoviadis
ID. 101 The light dynamic penetrometer and its use in geotechnical investigation for monuments and historic sites
- 15:00 – 15:10** **Tomoyoshi Nishimura**
ID. 87 The influence of the suction distribution on deformation property
- 15:10 – 15:20** **Yutaro Hara**
ID. 88 High-resolution SH wave exploration to assess damage to the Sakuradani Kofun Tumulus No.2 caused by the Noto earthquake
- 15:20 – 15:30** **Gianfranco Totani**, Ferdinando Totani, Claudia Durante
ID. 25 Investigations by use SDMT seismic modulus to restore two historical buildings damaged by the April 6, 2009 L'Aquila earthquake
- 15:30 – 15:40** **Prodromos Psarropoulos**
ID. 31 A New Theory for the verification of the location of the ancient city of Helike in Achaia, Greece
- 15:40 – 15:50** **V.N. Georgiannou**, Ch. Papazoglou, E.M. Pavlopoulou
ID. 112 Drying in Clays: Insights from Within Using X-ray CT

15:50-16:10 COFFEE BREAK

16:10-16:50 Keynote Lecture - Guido Gottardi

Session Chair: Dimitris Egglezos (NTUA)

Foundations in Venice: Characteristics and Preservation Challenges in a Unique Environment

The unique, delicate and inherently unstable environment in which Venice was established has, paradoxically, contributed to the city's remarkable resilience and prosperity over the course of more than a millennium. The Venetian experience thus offers valuable insights that remain highly relevant today.

University of
Bologna, Italy



16:50-17:30 Geohazards and Multi-Hazard Risk Assessment for Cultural Heritage

Session Chair: Nikolaos Klimis (DUTH)

16:50 – 17:00

Keith Parfitt, Eddie Bromhead

Presenter: Jamie Standing

ID. 14 The Folkestone Warren landslides and the East Cliff Roman Villa

17:00 – 17:10

Chiara Ferrero, Giulio Lucio Sergio Sacco, Chiara Calderini

ID. 39 Numerical damage assessment of a medieval masonry castle under differential settlements

17:10 – 17:20

Dimitrios Boutakidis, Spiridoula Bareka, Georgios Efraimidis, Polyxeni Kallioglou

ID. 21 Landslides Under Flash Floods: Failure Mechanisms and Risk Mitigation Measures

17:20 – 17:30

Janet Botha, C. W. MacMinn, H. J. Burd, S. Acikgoz

ID. 110 Long term prediction of ground movement in expansive clays due to soil-atmosphere-vegetation interaction

18:00-19:00 Transfer to Reception Hall

19:00-21:30 National Archaeological Museum



19:00 – 20:00 **Guided Tour**

20:00 – 21:30 **Conference Reception**

The first day concludes with an exclusive Conference Reception at the National Archaeological Museum of Athens. Delegates will enjoy a private after-hours visit to selected collections, guided by the Museum's Director General, before gathering in the Museum's Atrium to celebrate the opening of the Symposium.

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Athens, Greece*



08:45 am – 10:35 am

Keynote Lecture

Koenraad Van Balen, KU Leuven, Belgium

08:45 am

Technical Session

Seismic Behaviour of Heritage Monuments:
Observation, Modelling and Mitigation

09:25 am

COFFEE BREAK

10:35 am –
11:00 am

11:00 am – 12:50 pm

Technical Session

Restoration Engineering and Structural
Interventions

11:00 am

LUNCH BREAK

12:50 pm –
1:40 pm

1:40 pm – 4:05 pm

Kerisel Lecture

Efrain O. Shelley, UNAM, Mexico

1:40 pm

Technical Session

Underground Monuments and Rock
Engineering

2:25 pm

COFFEE BREAK

4:05 pm –
4:25 pm

4:25 pm – 6:15 pm

Keynote Lecture

Alberto Ledesma, UPC BarcelonaTech, Spain

4:25 pm

Technical Session

Heritage Sites and Urban Development

5:05 pm –
6:15 pm

6:15 pm

TC301 Working Group Meeting

(Members Only)

08:45-09:25 Keynote Lecture - Koenraad Van Balen

Session Chair: George Dounias (EDAFOS)



Dealing with evolving conservation principles to include interdisciplinary collaboration for cultural heritage preservation

A holistic approach for the preservation of cultural heritage often requires the input and collaboration of various disciplines. It therefore requires the various involved actors to understand and agree on the principles that contribute to the preservation of the identified heritage values. Based on my experience with teaching interdisciplinary groups of students to develop a conservation and valorisation project in the Master of science in Conservation of Monuments and Sites at KU Leuven, a methodology and lessons learned can be shared that stimulate and improve interdisciplinary collaboration in the field.

09:25-10:25 Seismic Behaviour of Heritage Monuments: Observation, Modelling and Mitigation

Session Chair: Anargyros Alexandris (Archidoron)

09:25 – 09:35

Fausto Somma, Benedetta Cortellesi, Alessandro Pagliaroli, Paolo Tommasi, Giuseppe Lanzo

ID. 20 Numerical analysis of the cliff failure occurred at St. Eutizio Abbey during the 2016 Central Italy seismic sequence

09:35 – 09:45

Filomena de Silva, **Alessandro Flora**, Mariano Nuzzo, Francesco Silvestri

ID. 50 Influence of uncertainties on the stability of rock cavities under gravity and seismic loads

09:45 – 09:55

Dimitrios Egglezos, Christos Giannelos

ID. 59 A Multidisciplinary Approach to the Restoration of the Pyli Arch Bridge: Integrating Seismic, Geotechnical, and Hydraulic Analyses

09:55 – 10:05

Cihan Taylan Akdag, Frank Rackwitz, Daniel Musall, Thekla Schulz-Brize, Altug Hasözbeke

ID. 15 Geotechnical Study on the Hellenistic stone retaining wall of the Upper Agora in Ephesus under static and seismic loading

10:05 – 10:15

Elena Kapogianni, **Prodromos Psarropoulos**, Georgios Sakellariou, Michael Sakellariou

ID. 36 Dynamic Response Assessment of the Acropolis Circuit Wall Using Structural-Health Monitoring, Big-Data Analytics, and Numerical Modelling

10:15 – 10:25

Evangelia Pelli, Ioannis Dourakopoulos, Paraskevi Yiouta-Mitra, Anastasios Sextos

ID. 55 Monuments of Greece classified according to seismic behavior and case study for seismic vulnerability index

10:35-11:00 COFFEE BREAK

11:00-12:40 Restoration Engineering and Structural Interventions

Session Chair: Thomas Grammenos (Elliniko Metro)

11:00 – 11:10

Kari Avellan, Kirsi Vaali, Erika Belopotocanova

ID. 29 Geotechnical and Structural Engineering for Old Historical Buildings

11:10 – 11:20

Giuseppe Tropeano, Giovanna Concu, Donatella Rita Fiorino, Daniel Meloni

ID. 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

11:20 – 11:30

Eleni-Eva Toumbakari, Dimitrios Egglezos

ID. 43 Anastylis of the northeastern tower of the ancient fortress of Aegosthena in Attica: construction analysis, collapse mechanism and interventions for the improvement of the foundation conditions

11:30 – 11:40

Anargyros Alexandris, Konstandinos Papandonopoulos

ID. 47 Anastylis of the Western Stoa of the Gymnasium of Ancient Messene: Engineering Insights into an Archaeological Monument

11:40 – 11:50

Andrea Dominijanni, Matteo Gabassi, Fritz Kopf, Daniel Metz, Alberto Minardi, **Alberto Paschetto**, Juergen Polansky

ID. 23 Restoring the foundation of a historic Viennese building using injections of expanding polyurethane resins

11:50 – 12:00

Vasiliki Palieraki, **Eleni Tavouktsi**, Eleni Karakike, Constantinos Arvanitis

ID. 63 Vertical connectors between successive drums in ancient columns: literature and in-situ investigation

12:00 – 12:10

Valter Maria Santoro, Maria Rita Acetoso, Stefano De Vito

ID. 19 The Reconstruction of the Al Hadba Minaret in the Al Nuri Mosque in Mosul, symbol and outstanding historic heritage of the city

12:10 – 12:20

Aris Chatzidakis

ID. 89 Study for the restoration of the walls of the Castle of Kalamata

12:20 – 12:30

Paolo Simonini, Francesca Ceccato, Ahmet Sevren

ID. 105 Optimization of Flood Protection Interventions in St. Mark's Square in Venice and evaluation of effectiveness through Geotechnical Investigations and Monitoring

12:30 – 12:40

Dimitrios Egglezos, Christos Tsatsanifos, **Emmanouil Tzannidakis**

ID. 107 Revisiting Ancient Dam Engineering: Stability Assessment of the Alyzia Dam Using Modern Geotechnical Methods

12:50-13:40 LUNCH BREAK

13:40-14:25 Kerisel Lecture - Efrain Ovando Shelley

Session Chair: Alessandro Flora (TC301 Chair)

UNAM, Mexico



Geotechnics for the preservation of the architectural heritage of a sinking city

Mexico City, with more than 20 million inhabitants, is sinking due to extensive water exploitation. It also lies, mostly, over extremely soft and compressible clays that have induced differential settlements in the whole of its urban infrastructure, including heritage buildings. This presentation describes some of the solutions and techniques with which Geotechnical Engineers have coped with the challenge of preserving these culturally relevant structures.

14:25-15:20 Underground Monuments and Rock Engineering

Session Chair: Haris Saroglou (NTUA)

14:25 – 14:35

Nicolas Carpentier

ID. 42 Underground Church of Saint-Emilion: Geotechnical challenges in light of heritage issues

14:35 – 14:45

Emilio Bilotta, Gianluca Fasano, Alessandro Flora

ID. 22 The Crypta Neapolitana: a Roman tunnel deserving new life

14:45 – 14:55

Dimitrios Egglezos, Emmanouil Tzannidakis, Charalambos Gouvas, Antonis Galanakis

ID. 94 Geotechnical Challenges and Stabilization Interventions in Three Greek Show Caves of Monumental Value

14:55 – 15:05

Arash Barjasteh

ID. 2 Hydraulic behavior of rock masses around historical underground structures (Boleiti tunnel and Daryun canal) of Shushtar City, Iran

15:05 – 15:15

Nikolaos Antoniadis, Wout Broere, Guillaume Rongier, Dominique Ngan-Tillard

ID. 5 Predicting Creep Behaviour in the Historical Valkenburg Calcarenite Mines Using LSTM Neural Networks

15:15 – 15:25

Dimitrios Egglezos, Lysandros Pantelidis

ID. 58 A Simplified 2D Methodology for Assessing the Stability of Carved Mycenaean Tombs Under Asymmetrical Geological Conditions

15:25 – 15:35

Orazio Casablanca, Margherita Zimbardo, Anna Scotto di Santolo

ID. 99 Stability Analysis of Excavation Fronts at the Herculaneum Archaeological Site

15:35 – 15:45

Haris Saroglou

ID. 109 Mitigation of rock slope instabilities affecting Cultural Heritage sites. Examples from Greece

15:45 – 15:55

Edoardo Lusini, Daniela Boldini, Daniele Spizzichino, Claudio Margottini

ID. 32 Assessment of Stability Conditions for a Large Block Overhanging a Nabataean Archaeological Well at the UNESCO Site of HEGRA – KSA

15:55 – 16:05

Panagiotis Sarellas

Presenter: Giannis Giannopoulos

ID. 111 Preserving the old fortress of Corfu: Geotechnical stabilization of historic masonry and rock slopes using industrial rope access techniques

16:05-16:25 COFFEE BREAK

16:25-17:05 Keynote Lecture - Alberto Ledesma

Session Chair: Marina Pantazidou (NTUA)



Examples of preserving historic buildings from the impact of tunnelling

The lecture presents 3 cases of very different buildings and the corresponding Geotechnical Engineering solutions adopted: an old farm house from 13th century, where an underpinning system was designed; the Sagrada Familia Basilica, where a barrier of stiff piles was built to protect the world heritage monument from the tunnel, and the building La Farinera, from early 20th century, where a compensation grouting was carried out.

17:05-18:15 Heritage Sites and Urban Development

Session Chair: Aristodimos Chatzidakis

17:05 – 17:15

Debra Laefer

ID. 49 New York City's Lost Cemeteries

17:15 – 17:25

Dimitrios Tsoutsas, Basil Kasimis, Michael Bardanis, Marina Dede

ID. 78 Finite element analyses of prehistoric walls under the loads of modern day shelters

17:25 – 17:35

Marialuigia Sangirardi, Fabio Rollo, Giacomo Di Santo, S. Barsoum, Angelo Amorosi

ID. 103 Damage induced by groundwater drawdown-related settlements on a Roman Aqueduct

17:35 – 17:45

Emmanuel Vassilakis, Georgios Gavalas, Aliko Konsolaki, Maria Kazantzaki, Evangelos Tsakalos, George Oikonomidis

ID. 73 Digital Twin Technology in Archaeology: Laser Scanning the Underground Mine Galleries at Agios Sostis, Sifnos

17:45 – 17:55

Federico Capata, Matteo Iacorossi, Francesca De Santis

ID. 4 Preserving Historical Structures in Urban Tunneling: Diaphragm Walls Embedded in Bedrock

17:55 – 18:05

Luca Masini, Gaetano La Grotta, Francesco Lavagnini, Sebastiano Rampello

ID. 27 3D FEM coupled simulation of TBM tunnelling and station excavation

18:05 – 18:15

Taryn DiLorenzo

ID. 16 Winter Road Maintenance as a Threat to Our Built Heritage

18:15

TC301 Working Group Meeting

(Members Only)

Technical Schedule

18 September

📍 Acropolis Museum

Dimitrios Pantermalis
Auditorium

*Dionysiou Areopagitou 15,
11742 Athens*



09:30 am – 11:50 pm

Keynote Lecture	09:30 am
Manolis Korres, NTUA / Academy of Athens	
Invited Lecture	10:10 am
Vasileia Manidaki, YSMA	
Invited Lecture	10:30 am
Antigoni Vrouva, NTUA	
Invited Lecture	10:50 am
Eleni Aggelakopoulou, YSMA	
Curated technical presentations by TC301 Delegates	11:10 am
BREAK	11:50 am– 12:20 pm

12:20 pm – 3:00 pm

Keynote Lecture	12:20 pm
Christos Zerefos, NKUA / Academy of Athens	
Keynote Lecture	1:00 pm
Nicos Makris, SMA (USA)	
Invited Lecture	1:40 pm
Denis Istrati, Aarhus University / NTUA	
Curated technical presentations by TC301 Delegates	2:00 pm
Closing Ceremony	2:30 pm
TRANSFER/TRANSIT TO THE ACROPOLIS (delegates may grab a bite before meeting at the Acropolis entrance)	3:00 pm– 4:00 pm

4:00 pm – 6:00 pm

Technical Visit to the Acropolis led by Vasileia Manidaki and Eleni Aggelakopoulou	4:00 pm
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09:30-10:10**Keynote Lecture - Manolis Korres****Session Chair:** Androniki Miltiadou (NTUA)**Acropolis of Athens**

The lecture offers a comprehensive reading of the Acropolis of Athens, beginning with the geomorphology of the Sacred Rock and tracing the successive historical phases that shaped its present form. Architecture and construction technology are examined as expressions of the knowledge, ingenuity and evolving needs of each period. Beyond the physical development of the monument, the lecture will address the theoretical values that underpin its understanding, preservation and restoration, revealing the Acropolis as a continuously evolving cultural landscape.

Invited Lectures**Session Chair:** Eleni-Eva Toubakari (Ephorate of Antiquities of W. Attica)**10:10-10:30****Invited Lecture - Vasileia Manidaki**

Acropolis Monuments
Preservation Service
(YSMA)

Ancient Methods, Modern Science: Restoring the Parthenon's West Pediment**10:30-10:50****Invited Lecture - Antigoni Vrouva**

National Technical
University of Athens

The seismic response of the north wall of the Parthenon cella: Parametric numerical investigation of structural details and restoration scenarios

10:50-11:10**Invited Lecture - Eleni Aggelakopoulou**

Acropolis Monuments
Preservation Service
(YSMA)

Research and Conservation of the Acropolis Monuments and Circuit Walls**11:10-11:40****Greek Monuments & Environment****Session Chair:** Stella Karafagka (AUTH)

11:10 – 11:30

Dimitrios Egglezos, Dorina Moullou, Vasso Evgenikou**ID. 57, 60** Seismic Risk Mitigation of the Acropolis Circuit Wall: Lessons from Historical Damage

11:30 – 11:40

Michael Bardanis, Nikos Ninis, Dionisia Michalopoulou**ID. 77** Laboratory and field investigation of the backfill behind the ancient walls of the Acropolis, Athens**11:50-12:20****BREAK****12:20-13:00****Keynote Lecture - Christos Zerefos****Session Chair:** George Belokas (UniWA)

NKUA / Academy
of Athens

Climate Change Impacts on UNESCO Cultural and Natural Heritage Sites in the Mediterranean

The Mediterranean region, home to numerous UNESCO World Heritage Sites of exceptional cultural and natural value, is increasingly vulnerable to the adverse effects of climate change. This lecture will present key scientific findings regarding the impacts of extreme weather events, sea-level rise, desertification, and other environmental stressors on both cultural monuments and natural landscapes. A multidisciplinary approach will be discussed, bridging climate science, heritage conservation, and policy frameworks.

13:00-13:40

Keynote Lecture - Nicos Makris

Session Chair: George Doulis (EDAFOMICHANIKI)

Southern Methodist
University, USA

From Hooke's "Hanging Chain" and Milankovitch's "Druckkurve" to a Variational Formulation: The Adventure of the Thrust Line of Masonry Arches

In this lecture, we first explain the subtle difference between the thrust line and the funicular polygon; and then we proceed by showing that Milankovitch's result, $t/R=0.1075$ is not unique and that it depends on the stereotomy exercised. The lecture concludes that the catenary (the hanging chain), which has been used widely since the period of the enlightenment to assess the stability of masonry arches, is not a physically admissible thrust line.

13:40-14:00

Invited Lecture - Denis Istrati

Session Chair: George Doulis (EDAFOMICHANIKI)

Aarhus University /
National Technical
University of Athens

Simulating and Mitigating Dynamic Water Hazards on Coastal Heritage via Multiphysics Modeling and AI

14:00-14:30

Greek Monuments & Environment

Session Chair: Lysandros Pantelidis (Cyprus University of Technology)

14:00 – 14:10

Dimitrios Egglezos

ID. 93 Integrated Risk Assessment for Monumental Structures under Climate Change and Seismic Hazards

14:10 – 14:20

Stella Karafagka, Kyriazis Pitilakis

ID. 65 Effect of local soil conditions on the seismic response of free-standing multi-drum ancient Greek columns

14:20 – 14:30

George Gazetas, Ioannis Anastasopoulos, Vasilis Drosos

Seismic Performance of Ancient Multi -drum Columns

14:30-15:00

Closing Ceremony

15:00-16:00

TRANSFER/TRANSIT TO THE ACROPOLIS

(delegates may grab a bite before meeting at the Acropolis entrance)

16:00-18:00

Technical Visit to the Acropolis

led by Architect Vasileia Manidaki and Dr. Eleni Aggelakopoulou (YSMA)

