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### IAMON Workshop

*Reinforced interfaces between structural members in ancient monuments*

10 July 2024, Athens, Greece

Hybrid format: on Zoom (Meeting ID: 813 1473 2059, Passcode: 623439,  
link:<https://us06web.zoom.us/j/81314732059?pwd=cSVkFYAI1fgqqdHolOUU5levGIHzi6.1>)  
or at Zografou Campus NTUA (Multimedia Amphitheater)

#### Programme of the event (hours according to Athens time, EEST)

09:30-11:00	<p style="text-align: center;"><b>Introduction and in-situ Investigations</b></p> <ul style="list-style-type: none"> <li>• Introduction to the IAMON Workshop <b>Vasiliki Palieraki</b>, <i>National Technical University of Athens</i></li> <li>• Information from investigation <b>Manolis Korres</b>, <i>National Technical University of Athens</i></li> <li>• Innovative Approaches for Structural Health Monitoring of Restored Elements of Stone Monuments <b>S. K. Kourkoulis</b>, <b>E. D. Pasiou</b>, <b>I. Stavrakas</b>, <b>D. Triantis</b>, <i>National Technical University of Athens</i></li> <li>• Digital technologies for the inspection and assessment of historic structures <b>Vasilis Sarhosis</b>, <i>University of Leeds</i></li> <li>• Investigation Works of the Structural System of the Hadrian Reservoir in Athens <b>Chrissy-Elpida Adami</b>, <b>Alexandros Ranios</b>, <b>Aikaterini Kalouda</b>, <i>EYDAP</i></li> <li>• The use of Distinct Element Method for the preservation and reconstruction of archaeological free-standing columns <b>Matteo Salvalaggio</b>, <b>Jacopo Bonetto</b>, <b>Maria Rosa Valluzzi</b>, <i>University of Padova</i></li> </ul>
11:00-11:30	<p style="text-align: center;"><b>Coffee break</b></p>
11:30-13:30	<p style="text-align: center;"><b>Laboratory Investigations</b></p> <ul style="list-style-type: none"> <li>• Testing of columns in the Laboratory of Earthquake Engineering, NTUA <b>Haralampos Mouzakis</b>, <i>National Technical University of Athens</i></li> <li>• Tracking moving targets from video images <b>Eleftherios Tournas</b>, <i>GEOVISION IKE</i></li> <li>• Real Scale Shaking Table tests for the investigation of the influence of the use of vertical connectors between the drums in columns and colonnades <b>Vasiliki Palieraki</b>, <b>Eleni Tavouktsi</b>, <b>Konstantinos Arvanitis</b>, <b>Haralampos Mouzakis</b>, <i>National Technical University of Athens</i></li> <li>• Shaking table examination of the Prothyron monument model <b>Pavao Marović</b>, <b>Željana Nikolić</b>, <i>University of Split</i></li> <li>• Seismic protection of multi-drum columns with the use of particle dampers</li> </ul>

	<p><b>Angeliki Papalou, University of Peloponnese</b></p> <ul style="list-style-type: none"> <li>Seismic behaviour of dry-stack masonry structures: results from a recent experimental and numerical campaign <b>Georgios Vlachakis, Carla Colombo, Dario Vecchio, Anastasios I. Giouvanidis, Nuno Mendes, Nathanaël Savalle, Paulo B. Lourenço, University of Minho, ISISE, ARISE</b></li> <li>Reduced-scale testing of historical monuments under explosions: application to the Parthenon <b>Ahmad Morsel, Filippo Masi, Panagiotis Kotronis, Ioannis Stefanou, ECN</b></li> <li>Reliability analysis of ancient columns <b>Spyridon Diamantopoulos, Michael Fragiadakis, National Technical University of Athens</b></li> </ul>
<b>13:30-14:15</b>	<b>Lunch break</b>
<b>14:15-16:30</b>	<b>Numerical investigations</b>
	<ul style="list-style-type: none"> <li>Seismic Vulnerability Assessment of a Historical Monument <b>Ozden Saygili, José V. Lemos, AtkinsRealis</b></li> <li>Numerical investigation of the seismic response of classical multi-drum and monolithic columns <b>Stella Karafagka, Grigorios Tsinidis, Kyriazis Pitilakis, Aristotle University of Thessaloniki</b></li> <li>Seismic performance evaluation of the Roman Temple of Évora in Portugal <b>Daniel V. Oliveira, Paulo B. Lourenço, University of Minho</b></li> <li>Application of a Tendon System to Protect Classical Columns against Earthquakes <b>Ioannis N. Psycharis, Evangelos Avgenakis, Maria-Eleni Dasiou, National Technical University of Athens</b></li> <li>Can we use the seismic response of free standing monuments to verify Probabilistic Seismic Hazard estimates? <b>Anastasios Sextos, National Technical University of Athens</b></li> <li>Quantifying the developing forces of clamps and dowels used for the anastylosis of the N.E. tower of the Aegosthena fortress in W.Attica <b>Eleni-Eva Toumbakari, Ministry of Culture, Ephorate of Antiquities of Western Attica</b></li> <li>Modelling drum columns with discrete elements – Practical issues <b>José V. Lemos, LNEC</b></li> <li>Numerical investigation of the role of iron dowels in the stability of multi-drum columns <b>Olympia Panagouli, University of Thessaly</b></li> <li>Discrete Rigid Block Analysis of The Stone Masonry Temple: Exploring the Effect of Ancient Retrofitting Technique <b>Bora Pulatsu, Ece Erdogmus, Carleton University</b></li> </ul>
<b>16:30-17:00</b>	<b>Coffee break</b>
<b>17:00-18:00</b>	<b>Interactive discussion- Conclusions</b>