



MARE.14 FINAL PROGRAM

Date	Session	Topics	Lecturers	Location
6/7 Sunday	16:00-17:30	Registration	Representatives of:	Centre of Mosaics, Dion
	17:30-19:00	Visit at the archaeological site of Dion	- Prefecture of Central Macedonia - Lifelong Learning AUTH	Archaeological site of Dion
	19:00-21:00	MARE.14 Opening ceremony	- MARE.14 Organizing Committee - Aristotle University of Thessaloniki - Municipality of Dion - Olympus Festival	Centre of Mosaics, Dion
7/7 Monday	9:00-12:00	Preservation and Restoration of Heritage Structures – Introduction Principles of Restoration Philosophy Presentation of the pathology problems of the archaeological site of Dion	G. Karadedos, Em. Professor AUTH D. Zygomas, Dr Architect S. Pingiatoglou, Professor AUTH K. Vasteli, Archaeologist K. Fragoulis, MSc Archaeologist	Archaeological Lab, Dion
	15:00-19:00	Themes of Diploma works Sampling of historic building materials	Scientific Team of: - Lab. of Building Materials * - Dion University Excavation	Archaeological site of Dion
8/7 Tuesday	9:00-12:00	Documentation – Diagnosis of Heritage Structures Evolution of materials in Construction Pathology and Restoration of monumental structures. Assessment of their bearing capacity and Structural interventions.	I. Papayianni, Professor AUTH G. Penelis, Professor AUTH	Archaeological Lab, Dion
	15:00-19:00	Laboratory analysis of historic building materials: mortars, bricks, stones (work in groups) Recording analysis results in a data system (homework)	Scientific Team of the Laboratory of Building Materials, AUTH*	Lab. of Building Materials, AUTH

9/7 Wednesday	9:00-12:00	Documentation – Diagnosis of Heritage Structures Non-destructive methods for the assessment of heritage structures Damage problems of heritage structures	E. Vintzileou, Professor NTUA C.E. Adami, Dr Civil Engineer R. van Hees, Professor TU Delft	Archaeological Lab, Dion
	15:00-19:00	Porosity properties of historic materials Laboratory analysis of historic building materials: mortars, bricks, stones (work in groups) Recording analysis results in a data system (homework)	M. Stefanidou, Assistant Professor AUTH Scientific Team of the Laboratory of Building Materials, AUTH*	Lab. of Building Materials, AUTH
10/7 Thursday	9:00-12:00	Design and Application of Compatible Repair Materials Design of Compatible repair materials. Methodology and Tests Examples from Cases studies	I. Papayianni, Professor AUTH M. Stefanidou, Assistant Professor AUTH V. Pachtá, Dr Architect, Conservator	Archaeological Lab, Dion
	15:00-19:00	Repair materials for intervention (mortars, grouts, bricks). Testing of raw materials Testing new bricks for repairing historic masonry	Scientific Team of the Laboratory of Building Materials, AUTH*	Lab. of Building Materials, AUTH
11/7 Friday	9:00-12:00	Design and Application of Compatible Repair Materials Repointing mortars Interventions for reinforcing Heritage structures with composite materials Problems of adobe and repair with compatible repair mud mortars	C. Groot, Professor, TU Delft G. Mitolidis, Dr Civil Engineer A. Velosa, As. Professor, University of Aveiro	Archaeological Lab, Dion
	15:00-19:00	Preparation and testing of repair mortars and grouts	Scientific Team of the Laboratory of Building Materials, AUTH*	Lab. of Building Materials, AUTH
12/7 Saturday	9:00-15:00	Trekking to Olympus mountain		
13/7		Free		

Sunday				
14/7 Monday	9:00-12:00	<i>Design and Application of Compatible Repair Materials</i> Importance of identification process of historical materials for the conservation work Documentation, analysis and repair of historic brick walls. Case studies in Spain The Galerian Complex Restoration of the Macedonian tomb of Makridi Bey: Materials and methods for the consolidation of the antechamber's vault	A. Radivojevic, As. Prof., University of Belgrade M.A. Flórez de la Colina, As. Professor UPM F. Athanasiou, V. Malama, M. Miza, M. Sarantidou F. Athanasiou, V. Malama, M. Miza, M. Sarantidou, A. Papatotiriou	Archaeological Lab, Dion
	15:00-19:00	Preparation and testing of repair mortars and grouts	Scientific Team of the Laboratory of Building Materials, AUTH*	Lab. of Building Materials, AUTH
15/7 Tuesday	9:00-12:00	<i>Design and Application of Compatible Repair Materials</i> Performance and repair requirements for surface repairs Case study : Design and application of grouts for the stabilization of the Byzantine Monastery of Dafni	J. Valek, Academy of Sciences A. Miltiadou, Dr Civil Engineer	Archaeological Lab, Dion
	15:00-19:00	Testing effectiveness of composite materials (textiles) Use of Microscopy for studying historic materials	G. Mitolidis, Dr Civil Engineer M. Stefanidou, Assistant Professor AUTH E. Pavlidou, Assistant Professor AUTH L. Papadopoulou, Lecturer AUTH	Lab. of Building Materials, AUTH Lab. of Microscopy, AUTH
16/7 Wednesday	9:00-12:00	<i>Pilot applications</i> Socio-economic aspects in Restoration of monuments Practical work	J. Leissner, Dr., Fraunhofer Institute Scientific Team of the Laboratory of Building Materials, AUTH*	Archaeological Lab, Dion Archaeological site of Dion / Lab. of Building Materials, AUTH
	15:00-19:00	Visit to manufacture of traditional bricks (optional)	M. Stefanidou, Assistant Professor AUTH	Brick manufacture



17/7 Thursday	9:00-12:00	Pilot applications Practical work	Scientific Team of the Laboratory of Building Materials, AUTH *	Archaeological site of Dion
	15:00-19:00	Use of thermography for assessment of moisture in historic structures Application of techniques and materials for the protection of stones and bricks	Th. Theodosiou, Assistant Professor AUTH G. Karagiannis, Dr Electrical Engineer M. Stefanidou, Assistant Professor AUTH K. Matziari, Dr Geologist	Archaeological site of Dion
Friday 18/7	9:00-12:00	Presentation of diploma works. Discussion	MARE.14 Organizing Committee	Archaeological Lab, Dion
	15:00-19:00	Presentation of diploma works. Discussion		
	20:00-22:00	Certifications. Closing ceremony		
19/7 Saturday	9:00-15:00	Visit to the Archaeological sites of Pella and Vergina		
20/7 Sunday		Free		

* Scientific Team of the Laboratory of Building Materials, AUTH

- Maria Stefanidou, As. Professor, Dr Geologist
- Vasiliki Pachta, Dr Architect, Conservator
- Stavroula Konopisi, MSc Chemist
- Irene Tsardaka, MSc Chemist
- Fotini Kesikidou, Civil Engineer