



**4<sup>th</sup> ARCH\_RNT  
SYMPOSIUM PROGRAM**



**UNIVERSITY OF THE PELOPONNESE**

**KALAMATA**

**WEDNESDAY, 1 OCTOBER**

17:00 - 18:00	REGISTRATION		
18:00 - 18:30	OPENING CEREMONY		
18:30 - 20:30	<b>SPECIAL SESSION GEOARCHAEOLOGY I (J. Wright, P. Karkanas)</b>	Site Formation Processes of the Neolithic Alepotrypa Cave, Mani, Greece	P. KARKANAS
		On Stranger Tides: Landscape Transformations at Post-Theran Palaikastro, Crete	R. KULICK
		A Geoarchaeological Approach to Reconstructing Paleolandscapes: The Case of the Lakeside Settlement of Dispilio, Greece	M. GOUMA
		Constructed Occupational Surfaces in Middle Neolithic Imvrou Pigadi, Thessaly, Greece: An Assessment of Building Practices Applied and Materials Used	D.N. ROUSSOS
		From Archaeological Sediments to Human Practice? A Comparative Microstratigraphic Study of Outdoor Space in the Neolithic of N. Greece	G. KOROMILA
20:30	WELCOME COCTAIL		

**THURSDAY, 2 OCTOBER**

9:00 – 11:00	<b>SPECIAL SESSION GEOARCHAEOLOGY II (P. Karkanas, J. Wright)</b>	Soil Micromorphology at Sissi (Crete): Results from the 2008-2009 Campaigns	F. CARPENTIER
		Stability and Instability in Late Bronze Age and Early Iron Age Colluvial Deposits from Mycenae, Argolid: A Micromorphological and Sedimentological Approach	D. J. FALLU
		Microarchaeological Studies at Sumaki Hoyuk in Upper Mesopotamia	S. SARIALTUN
		Upper Holocene Palaeoenvironmental Reconstruction from Messinian, SW Peloponnese Sites: Preliminary Results	C. KATRANTSIOTIS, E. NORSTROM, N. ZACHARIAS, G. MANEAS and K. HOLMGREN
		The Harbours of Ancient Corfu: Interdisciplinary Research Tools for Deciphering the Harbours System of a Mediterranean Thalassocracy	K. BAIKA
11:00 – 11:30	<b>COFFEE</b>		
11:30 – 13:30	<b>GEOARCHAEOLOGY III (G. Papatheodorou, I. Lolos)</b>	The Prediction of Coastal Paleogeography Evolution at Neapoli Bay and Elaphonisos Island (S.E. Peloponnesus) Using Marine Remote Sensing Methods	G. PAPTAEODOROU, M. GERAGA and E. MANTZOURANI
		Η Μελέτη της Παλαιογεωγραφικής Εξέλιξης του Κόλπου Caska (Νήσος Pag, Κροατία) κατά τα Τελευταία 10.000 Χρόνια με τη Χρήση Θαλάσσιων Γεωφυσικών Μεθόδων	Κ. ΣΟΥΡΑ, Μ. ΓΕΡΑΓΑ, Γ. ΠΑΠΑΘΕΟΔΩΡΟΥ, Δ. ΧΡΙΣΤΟΔΟΥΛΟΥ, Κ. ΜΠΑΙΚΑ, Σ. ΚΟΡΔΕΛΛΑ, Η. ΦΑΚΙΡΗΣ, I. RADIC ROSSI, G. BOETTO και Κ. ZUBCIC
		Offshore Cape Sounion: A Geoarchaeological Case Study in the Framework of SASMAP Project	M. GERAGA, G. PAPTAEODOROU, K. BAIKA, Z. AI-HAMDANI, J. WUNDERLICH, M. IATROU, D. CHRISTODOULOU, E. FAKIRIS, G. PANTOPOULOS and D. GREGORY
		Landscape Reconstitution Along the Ilissos River in Search for Phaidros's Plane Tree and the Most Graceful Source of Cool Water	E.D. CHIOTIS
		Registration, Analysis and Presentation of Spatial Data from the Sikyon Survey Project Using GIS	I. LOLOS and M. CHARNO

**THURSDAY, 2 OCTOBER**

13:30 - 14:30 LUNCH BREAK			
14:30 - 16:00	<p align="center"><b>GEOPHYSICAL PROSPECTION - GIS</b></p> <p align="center"><b>(G. Tsokas)</b></p>	Non-Destructive Geophysical Survey on the Wall Lining of the Eupalinian Tunnel in Samos Island (Greece)	G.N. TSOKAS, J.-H. KIM, P.I. TSOURLOS, G. ANGISTALIS, G. VARGEMEZIS, A. STAMPOLIDIS and N. DIAMANTI
		Magnetic Prospection for Rural Bronze Age Site Detection in Northern Calabria, Italy	K. ARMSTRONG, M. VAN LEUSEN and W. DE NEEF
		New Technologies for Old Problems: Introducing the DYNBYZCRETE Project	K. ARMSTRONG, C. TSIGONAKI, N. SPANOU, L. ARGYRIOU and A. SARRIS
		A Geospatial Analysis of Mycenaean Messenia, Greece	G. MALAPERDAS, N. ZACHARIAS and E. BANOU
16:00 - 16:30 COFFEE			
16:30 - 18:30	<p align="center"><b>ABSOLUTE DATING</b></p> <p align="center"><b>(I. Liritzis, Y. Facorellis)</b></p>	Σύγχρονες Εξελίξεις στην Εφαρμογή της Μεθόδου Χρονολόγησης με Άνθρακα-14 στον Ελλαδικό Χώρο	Γ. ΦΑΚΟΠΕΛΛΗΣ
		Some New Obsidian Hydration Ages by SIMS-SS (Easter Islands, USA)	A. VAFIADOU, I. LIRITZIS, C.M. STEVENSON, S. NOVAK
		An Initial Critical Review of Clustering Techniques in Archaeology: Some Examples	I. LIRITZIS and A. MAXOUTOGLOU
		OSL Dating of Volcanic Formations at Nisyros Island - Greece	B.K. KANAVOU, K.C. STAMOULIS, S.G. KARAKATSANIS, I. M. TSODOULOS, K.G. KYRIAKOPOULOS and K.G. IOANNIDES
		A Critical Review of the Mean Measure of Divergence and Mahalanobis Distances Using Artificial Data and New Approaches to the Estimation of Biodistances Employing Nonmetric Traits	E. NIKITA

**FRIDAY, 3 OCTOBER**

9:00 – 11:00	<p align="center"><b>MATERIAL STUDIES I</b></p> <p align="center"><b>(N. Zacharias, I. Karapanagiotis)</b></p>	Νέα Δεδομένα για την Αρχαία Πολυχρωμία. Οργανικές χρωστικές: Πορφύρα, Ριζάρι και Κοκκινίλη	I. ΚΑΡΑΠΑΝΑΓΙΩΤΗΣ και Δ. ΜΑΝΤΖΟΥΡΗΣ
		Copper-Based Technology in Early Iron Age Greece: the Evidence from Thessaly	V. ORFANOU
		Η Παραγωγή Αργύρου στη Λαυρεωτική-Τεχνολογική Εξέλιξη και Διαφοροποίηση κατά την Ύστερη Κλασσική Περίοδο	Γ.Δ. ΠΑΠΑΔΗΜΗΤΡΙΟΥ και Π. ΤΣΑΚΙΡΙΔΗΣ
		Application of Electron Microscopy to Different Types of Archaeological Artifacts from Northern Greece	A. IORDANIDIS and J. GARCIA-GUINEA
		Φυσικοχημική Ανάλυση και Μελέτη ενός Ιστορικού Καννάβινου Υφάσματος από τους Σοφάδες Καρδίτσας,	Δ.Μ. ΚΕΧΑΓΙΑΣ
		Μεταλλικά Φύλλα ως Υλικά Ζωγραφικής Μεταβυζαντινών Φορητών Εικόνων	Γ.Π. ΜΑΣΤΡΟΘΕΟΔΩΡΟΣ, Κ.Γ. ΜΠΕΛΤΣΙΟΣ, Ι. ΜΠΑΣΙΑΚΟΣ και Β. ΠΑΠΑΔΟΠΟΥΛΟΥ
11:00 – 11:30	COFFEE		
11:30 – 13:30	<p align="center"><b>MATERIAL STUDIES II</b></p> <p align="center"><b>(S. Boyatzis, M. Xanthopoulou)</b></p>	Thin Film Molecular Spectroscopy Methodologies for Investigating Organic Materials in Cultural Heritage Objects	S.C. BOYATZIS
		Raman Investigation of the Polymerization Process of Superhydrophobic Films Used for the Protection of Cultural Heritage	D. LAMPAKIS, P.N. MANOUDIS and I. KARAPANAGIOTIS
		A Multi-Technique Physicochemical Study of Byzantine Glazed Pottery from Corinth, Greece	E. PALAMARA, N. ZACHARIAS, M. XANTHOPOULOU, D. PALLES and E.I. KAMITSOS
		Qualitative and Quantitative Analysis of Ion Species in Archaeological Glasses and Glazes by Spectroscopic Techniques	F. DRUENERT, D. MOENCKE, N. ZACHARIAS, O. MECKING, E. PALAMARA, R. SMOAK and L. WONDRAKZEK
		Preliminary SEM-EDS Observations on Microorganisms Present on Petrified Wood Samples from the Possibly World's longest Fossil Tree	E. KYRIAZI, N. ZACHARIAS, E. PALAMARA and N. BOONCHAI

		Integrated Research for the Conservation and Physicochemical Characterisation of a Post-Byzantine Ecclesiastical Collection of Artefacts from the Area of Alagonia - Taygetos, Greece	E. KOULOUMPI, N. ZACHARIAS, C. KARYDIS and E. PALAMARA
13:30 - 14:30	lunch		
14:30 - 16:30	POSTER SESSION		
16:30 - 17:00	coffee		
17:00 - 18:30	<b>RESTORATION - DIGITALISATION</b>  <b>(P. Themelis, T. Moropoulou)</b>	Interdisciplinary in Situ Intervention for Research and Protection of Movable Cultural Heritage in Greece. The Case of Ecclesiastical Material from Alagonia, Messenia	A. KAMARA, N. ZACHARIAS, C. KARYDIS, E. KOULOUMPI and G. LADAS
		Άσπρος Πύργος Σεριφου. Συντήρηση και Αποκατάσταση	Γ.Π. ΣΤΑΪΚΟΠΟΥΛΟΣ
		The 3-Dimensional Digitization Technologies in Archaeology	P. POLYΜΕΡΟΠΟΥΛΟΥ
		Κυβερνο-Αρχαιομετρία από την Κυβερνο-Αρχαιολογία: Νέες Δυναμικές στην Αρχαιομετρική Εκπαίδευση και Έρευνα	Π. ΒΟΛΟΝΑΚΗΣ και Ι. ΛΥΡΙΤΖΗΣ
18:30 - 19:00	CLOSING REMARKS		
20:00	GALA DINNER		

## POSTER SESSION

Highlights of the Micromorphological Analyses of the Upper and Lower Sanctuaries at Mt. Lykaion, Greece	S.M. MENTZER, D.G. ROMANO and M.E. VOYATZIS
Holocene Landscape Evolution of Zakynthos Island Western Greece	P. AVRAMIDIS, G. ILIOPOULOS and G. WIJNGAARDEN
Παλαιοπεριβαλλοντική Αναπαράσταση του Παράκτιου Δέλτα της Ελικής κατά τη Μέση και Ύστερη Ολοκαινική Περίοδο	A. ΚΟΥΤΣΙΟΣ και Ν. ΚΟΝΤΟΠΟΥΛΟΣ
Physicochemical analysis of frescoes from the Byzantine church of Agios Georgios in Akraifnion, Boeotia: a preliminary Report	A. ΟΙΚΟΝΟΜΟΥ, C. KARYDIS and A. KOSTARELLI
Identification of Inks and Pigments in Manuscripts from Mount Athos Using Portable XRF	I. KARAPANAGIOTIS and V. TSINARIDIS
Ταυτοποίηση Πορφύρας και Άλλων Υλικών σε Ευρήματα από το Δασκύλειον (6ος π.Χ.)	A. ΚΩΝΣΤΑΝΤΑ, Ζ. ΠΑΠΛΙΑΚΑ, Δ. ΛΑΜΠΙΑΚΗΣ και Ι. ΚΑΡΑΠΑΝΑΓΙΩΤΗΣ
Analytical Study of Mortars from Ancient Messene	V. VALANTOY, P. THEMELIS, S. POULIMENEA and N. ZACHARIAS
A Mobile Conservation Team: The First Step in Greece	C. KARYDIS, E. KOULOUMPI, N. ZACHARIAS, A. KAMARA, A. KONSTANTA, K. PAPAΚΟΝΣΤΑΝΤΙΝΟΥ, A. FLOROS and V. SIOKOS

MESSENA ARCHAEOLOGICAL MUSEUM: Thursday - Friday 8:00-20:00

ANCIENT MESSENE GUIDED TOUR: Saturday, 4 October 11:00-13:00